



PRE-QUALIFICATION DOCUMENT

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PRE-QUALIFICATION DOCUMENT

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1. Company Profile:

The construction industry all around the world is getting modern, advance and growing day by day. In spite of the development, construction industry is dealing with one major problem i.e. building defects. Our team at “**Venus Star**” has a broad and deep competence in terms of knowledge, skill and experience in providing constructive solutions all over UAE.

“**Venus Star**”, is targeting and committing to secure a niche within the specialized activities in the service of the construction industry. We are professional and quality driven specialized contractor committed to a timely delivery of its contractual obligations. We are committed to use the best materials and employing the most qualified personnel so we can always offer the best possible service.

Our main objective is to provide high quality solution for specialized activities along with high efficiency, safety and reliability. We are well-equipped with sophisticated machines, tools & equipment's that help us in efficiently meeting the need and application requirements of our clients.

Our Range of Solutions Include:

- Concrete Repair
- Structural Strengthening by Using Carbon Fiber
- Dry Crack Injection
- Polyurethane Leakage Injection
- Industrial Flooring & Coating
- Anti-Static Flooring System
- Self-Levelling Flooring System
- Car Park Floor Coating & Line Marking
- Kitchen Flooring system
- Protective Coating
- Polyurea Coating
- Polyurethane Waterproofing
- Joint Sealant works
- Grouting and Anchors
- Grinding Aids

Finally, we cordially invite you to visit our office meet our management team who will orient you with our professional work environment, commitment to excellence, approach to delivering the most optimum constructability solutions, optimum cost effectiveness, delivering best attainable quality without compromising our strict adherence to timely delivery of our contract obligations, maintaining safety, health and international construction standards.

For more information, please visit our Web Site or Contact us at:

Venus Star

General Contracting LLC
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United Arab Emirates

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GENERAL INFORMATION

Name of Company : Venus Star General Contracting LLC

Trade Licence No. : CN 2084709

Commercial Registration No : 341886

Bankers : RAK Bank

Main Office : P.O.BOX: 8705, Abu Dhabi

☎ : 02-5827617

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2. Years of Experience:

Venus Star General Contracting LLC established in year 2016, has over Four years of experience in providing construction solutions that allows in improving the market's standards through our commitment in providing high quality services in a cost-effective manner. Venus Star has a proven track record in delivering a quality service and has maintained a great business relationship with huge number of clients all over UAE.

3. Scope of work:

To undertake Concrete repair & Special coating contracts in the fields of Industrial, petrochemical and other private Industrial plants, mills, factories and food process units, oil & gas facilities, refineries, power generation and Commercial, Public & Institutional Buildings throughout the UAE.

4. Technical background and Services Offered

[a] Concrete Repair:

Concrete can deteriorate for a variety of reasons, and concrete damage is often the result of a combination of factors.

Concerns with concrete cracking come up when owners and maintenance workers are unsure of what to look for or are unaware of the implications of certain cracks. Some types of cracking indicate a structural issue, abrasion/erosion of concrete surfaces, overloading & dimensional changes due to thermal cycling.

There are many different causes of concrete cracks, which can lead to different types of cracking patterns. Each type of cracking pattern can be associated with a likely cause. If this cause is recognized, it can be identified as structurally vital or non-vital. Determining the type of crack and how it relates to structural issues can minimize economic damage, future deterioration, and in severe cases the loss of human life. Determining the type of crack is vital so the concrete can be repaired or replaced correctly.

Do you own or manage, residential or office buildings or industrial facilities ? If concrete defects are not promptly and correctly repaired, you can face significant loss of building value, increased repair costs, or the unnecessary cost of total replacement.

We at Venus Star are Concrete Repair Specialists providing concrete inspections to determine the cause of concrete damage when analysed by our experts. Being proactive with commercial concrete evaluations, repairs, and enhancements we can help you lower your maintenance costs and enhance the value of your property if the correct work is made early.

The following are our commercial concrete repair applications we are offering as being specialists of this field:

- Tunnels (utility, pathway, etc.)
- Wastewater treatment tanks
- Sewer & manholes
- Water tanks
- Poured concrete wall cracks
- Floor / wall intersections
- Foundation cracks and leaks

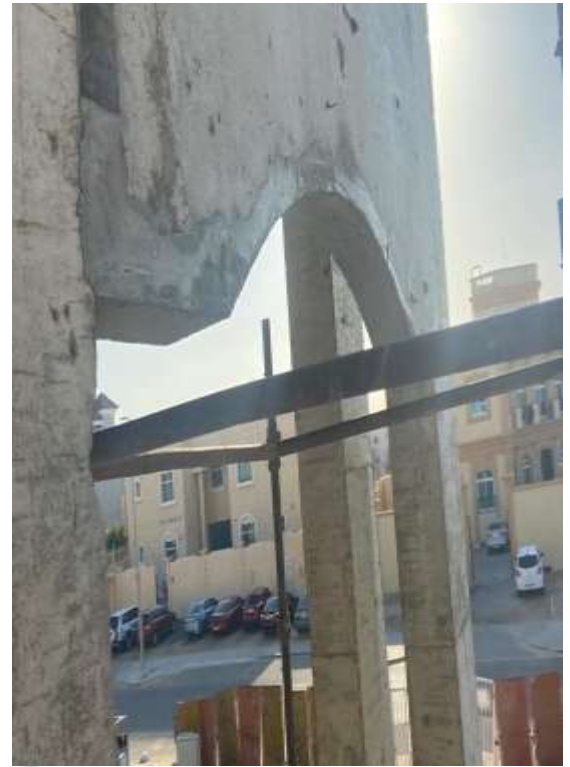
• **[a]Concrete Repair:**



Concrete Repair Before Work:



Concrete Repair after work



Concrete Repair Before Work

Concrete Repair after work







[b] Structural strengthening by Carbon Fiber:

Every building from a simple warehouse to a high-rise skyscraper is subjected to varied set of demands on its structural integrity. These demands could be external to the building, such as wind, rain, and other environmental factors, or they could be internal to the building, such as the structure's own weight and material load. Structural engineering ensures that the building or structure can safely stand up to these pressures.

Retrofitting of concrete structures with **Carbon Fiber Reinforced Polymer (CFRP)** has become an increasingly dominant use of the material in structural engineering applications. Such uses include increasing the load capacity of existing structures (such as existing parking garages) that were designed to tolerate far lower service loads. Other uses include seismic retrofitting, and repair of damaged concrete structures. Retrofitting with CFRP in many instances can be a cost-effective method of structural concrete strengthening. CFRP is also widely used to strengthen concrete structures that have lost reinforcing steel mass due to corrosion and concrete deterioration.

Venus Star has been performing safe, reliable structural strengthening of building structures all over the UAE. We have served all types of clients including commercial and industrial businesses, educational institutions, hospitals and others. Our clients have entrusted us with the structural integrity of their most important buildings and we have responded with an unwavering commitment to quality, safety, and reliability. We look forward to continuing this important work and bringing outstanding structural engineering to our community so as to make the structures completely safe and functional.

Venus Star has a long practical and technical experience in installing Carbon Fibre structural composite products and can assist in the installation for the complete structural repair. Designed to meet critical requirements for strength and durability, composite strengthening systems offer innovative solutions for structural upgrading, repair and protection.

Where Carbon Fibre Can Be Used:

The many uses of carbon fibre include:

- Reinforcement of concrete slabs
- Pre-stressed reinforced concrete beams
- Strengthening of columns
- Enhancement of structural strength
- Bridges
- Strengthening concrete structures

- Structural Strengthening by Using Carbon Fibre:



[c] Epoxy Crack Injection Works:

Epoxy crack injection (also referred to as epoxy injection) is an extremely effective and reliable concrete crack repair method, used exclusively for the repair of poured concrete foundation cracks, for the structural repair of same, to fix basement leaks, and to prevent poured concrete foundation cracks from leaking in the future. When used under the right conditions and when done properly by a trained injection technician, an epoxy concrete crack repair does not fail.

Civil engineers commonly recommend epoxy concrete crack injection for the structural repair of cracked concrete in applications such as highway overpasses and overhead concrete structures. This is due to epoxy's significant bond strength.

Avoiding damage before it's too late:

A crack in the foundation will tend to grow over time and will, ultimately, result in water leakage. Foundation cracks can also negatively influence the value of your structure. Foundation crack repair is, therefore, an important process that needs to be undertaken before too much damage has been caused.

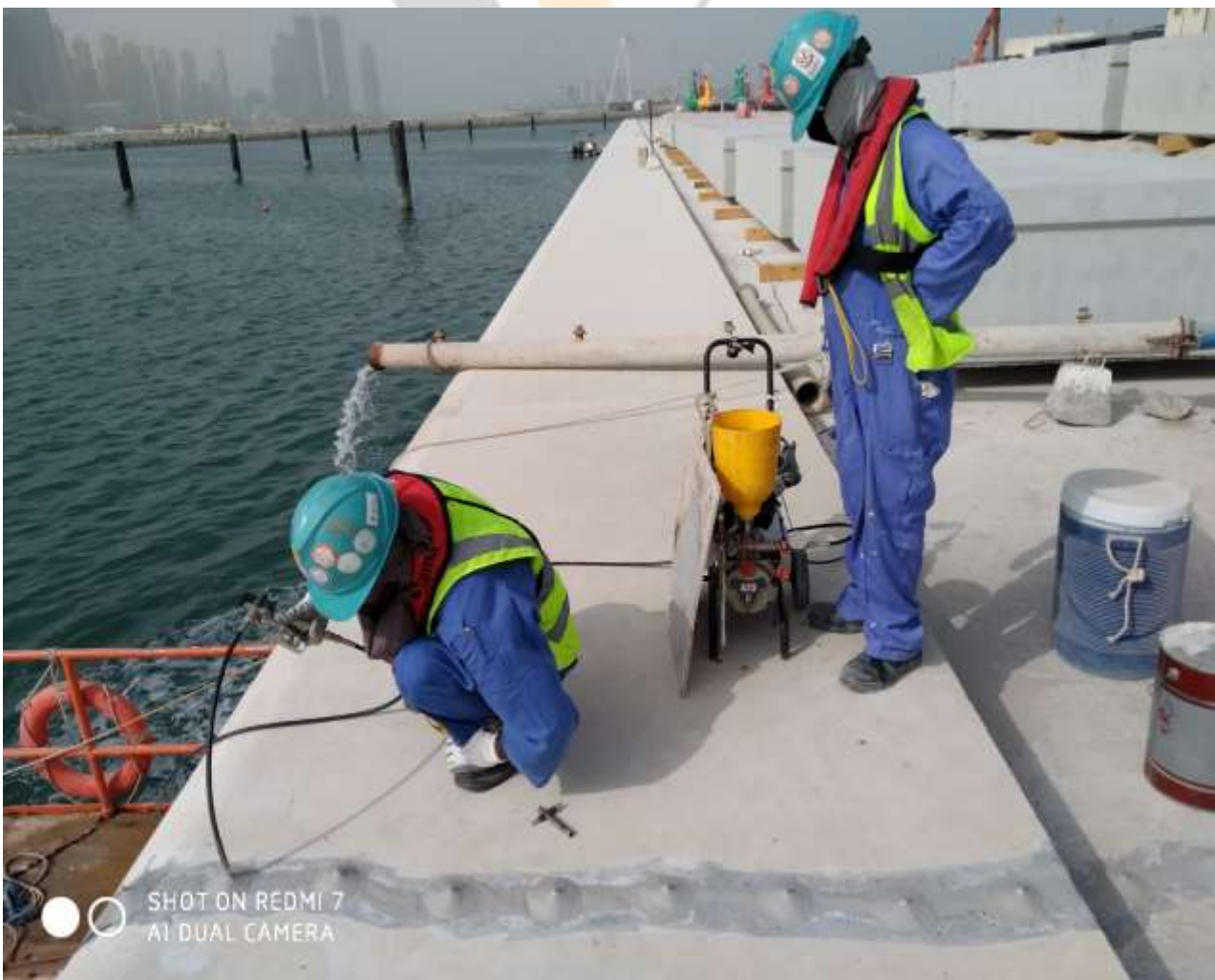
Get professional help:

If your foundation has any major causes for concern, it is important to hire an experienced foundation company so that your foundation is properly assessed and repaired. Repair of serious foundation cracks is costly and often involves the skilled use of various building techniques. In cases where the foundation has been severely damaged, suggestions of Injection specialists becomes important.

As concrete is subject to shrinkage and expansion, when repairing cracks, it is important to use a material that will allow for some movement. It is possible to buy epoxy injection kits but you have to be careful as you can easily exacerbate an already bad situation. **Our competent team at "Venus Star" has the vast experience, practical knowledge and tools necessary to fix foundation cracks once and for all.**



Dry Crack Injection works In Dubai Harbour



[d] Polyurethane Leakage Injection Works:

For most buildings, leakage starts any time after construction. The problems associated with leakage typically appear within the first five years. Water leakage, if not treated properly, is one of the main contributing factors to building damage, primarily reinforcement corrosion. Water leakage may result in the consequential reduction in the usable area within the structure in addition to reduced functionality and use. Water intrusion can drastically increase the physical damage to a structure and internal finishing that can lead to costly remediation and repairs.

The aforementioned problems as well as measures that can be implemented to limit the effects of water leakage on residential, commercial, and high-rise buildings are accordingly investigated by the team of experts at Venus Star and thereafter the future benefit solutions are suggested to our clients.

In some situations, it is necessary to apply leak treatment methods to stop water intrusion, including superior repair processes where chemical resins (polyurethane) that interact with water are used because these materials tend to be rigid, fill the voids and act as an offset. To aid in controlling leakage into a concrete component, it is important to understand the best water control solution that can efficiently stop the water leakages from the structure. The most appropriate and effective method of treatment standard is the resin injection which is the best method for the treatment of Leakage cracks of buildings, bridges, dams, and other types of concrete structures.

Properties of polyurethane:

Polyurethane is a fluid resin which is injected into concrete cracks, expansion joints and other voids in concrete structures. When used in concrete crack injection applications the polyurethane is injected into a crack; within minutes the polyurethane undergoes a chemical transformation from a liquid to a solid.

The versatility, and consequently the popularity, of polyurethane resins in crack injection applications stems from polyurethane's properties:

1. It has a very short cure time, making it ideal for active leak sealing.
2. Extremely low viscosity allowing for even the finest cracks (cracks with a width less than 0.2mm) to be sealed.
3. The resin cures normally whether a foundation crack is wet, actively leaking, or damp.
4. Polyurethane, once cured, can be quite flexible, allowing for movement in the structure and keeps leaks to remain sealed.
5. Polyurethane crack injection is used in Civil Construction and maintenance of Civil Assets due to its flexibility in application and its reliability in repairing cracks and damage in concrete structures. Polyurethane crack injection is the most efficient and cost-effective method in repairing leaking cracks in major concrete assets.

Our team of Venus Star being specialized applicators covers all aspects of Leakage Injection methods, site application of products, and quality control of works.



Polyurethane Leakage Injection Works

[e] Industrial Floor Coating works:

(i) Epoxy Floor Coating:

Epoxy floor coatings are commonly used for commercial and industrial flooring. Epoxy coatings are normally applied over concrete floors to provide a high-performance, smooth, and durable surface that can last many years and withstand heavy loads. Many industrial sites, warehouses, and commercial buildings rely on epoxy floors to maintain clean and safe conditions for workers, equipment, and inventory.

What makes up epoxy floor coating?

Epoxy floor coating is made up of a solution of epoxy resins. Usually, the professionals use a two-part epoxy coating for flooring, developed for heavy duty service. They are more heat resistant than alkyd-based paints and they have the capacity to protect your floors from dampening as well. They are mostly used as floor coating material which is applied to concrete floors to provide a high performance and attractive surface.

The benefits of epoxy floor coating in residential, industrial and commercial buildings:

There are a number of advantages that come with epoxy floor coating. Once applied, the coating can create a seamless and easy-to-clean surface. It has become a prime choice for most of the food, beverage, pharmaceutical preparation and packaging plants because it makes the floor easier to maintain. Epoxy floor coating products have the capacity to turn a concrete floor into a durable surface that can absorb any kind of damage and stay in tip-top shape for a longer time.

In addition to that, epoxy floor coating material is chemically resistant. This is perfect for use in industrial and manufacturing plants and warehouses, which need to use chemicals on a regular basis. Further, this specific coating creates a slip, impact, and heat resistant floor and ensures safety for everyone.

People also prefer to use this coating as it is quick and easy to apply and it is totally environment friendly. Also, use in a factory or warehouse can cut down wear on transport vehicles, allow for faster material movement, and prevent wear and damage to the floor. These are the reasons why industrial and commercial premises choose epoxy floor coating.

Epoxy Floor Coating Advantages:

Epoxy floor coatings offer many advantages when compared to other traditional coatings applied over concrete:

- Creates a shiny high-gloss surface that can significantly increase the brightness of interior areas
- Offers a hard-wearing durable surface able to withstand heavy and continuous traffic
- Quick and easy to install, requiring no layout, cutting additional adhesives, or special tools or equipment
- Durable and easy to clean
- Ideal for warehouses and industrial applications
- Resists oil stains and water
- Offers enhanced safety when the surface contains anti-slip additives
- Can be applied in different patterns to create visible driveways and/or identify walkable areas
- Prevents wear and tear on existing concrete floors
- May be compatible with self-levelling products that can be applied over new or old concrete, depending on the product
- Requires little or no major maintenance

We at Venus Star are providing best epoxy floor coating service with most experienced and trained professionals to ensure the best service. Our state of art, equipment allows us to provide beautiful finishes. We only use the highest quality materials throughout our projects.



Car Park Coating



(ii) Polyurethane Floor Coating:

Polyurethane is a protective coating that will add longevity to your floors. The innate resilience of polyurethane can take care of most things; even if it means things are thrown at it regularly. You cannot think of a better floor coating for your kitchen, which witnesses regular oil spills and water spills. A polyurethane floor coating will prevent any of these things harming your floor.

Polyurethanes offer a number of unique advantages over epoxies.

- **UV Stability:** Polyurethanes exhibit excellent UV-resistance. When used as a topcoat over epoxy, they protect the underlying epoxy from yellowing over time.
- **Chemical-Resistance:** Polyurethanes are resistant to a broader range and concentrations of chemicals. Additionally, they offer excellent resistance to staining from hot or cold tires.
- **Increased Impact and Abrasion Resistance:** Polyurethanes exhibit excellent impact and abrasion resistance, providing up to four times longer life than uncoated epoxy floors.

So how do you know which coating to go with? The best way to ensure you are happy with the final decision is to get advice from experts. We at Venus Star being experienced specialists in this field will help you in providing best coating solutions. At Venus Star you will not have to worry much about the quality of work you are receiving and we can assure you are making a worthwhile investment in the life of your flooring.



Polyurethane Floor coating works at Dubai Airports-Terminal 3 (Arrival Parking Area)

(F) Kitchen Flooring:

Keep your employees safe and your kitchen running smoothly with a high-quality new floor.

Does the flooring in your commercial kitchen provide the safety, style, and easy maintenance that you need for a streamlined work environment?

Protect your employees and ramp up efficiency without spending a fortune by installing commercial kitchen flooring by our professionals.

After a long shift, your staff appreciates kitchen floors that are low maintenance and easy to clean—and during their shifts they appreciate the safety and durability of quality flooring.

Boosting Morale with a Beautiful Floor:

The industrial kitchen flooring in your space must be aesthetically pleasing, as food processing plants are a direct reflection of the company and brand. Management is eager to display a facility that visually expresses a clean, bright, and overall positive image, particularly in food industry facilities that participate in public tours. Additionally, beautiful industrial kitchen flooring is capable of keeping employees confident in their workplace and eager to perform well. Having a wide selection of flooring options is therefore incredibly important for making a stand out facility. You are always able to customize your industrial kitchen flooring, selecting the appropriate colors you need to fit the look and style of your space.

Some Crucial Factors:

- **Resisting Unwanted Odors**

Not often realized, is it possible for an industrial kitchen floor coating to emit odors that can actually be transferred and absorbed into the food products being produced. These unwanted odors and tastes may even make the final product unacceptable and not consumable, thus wasting valuable time and resources. By selecting an industrial kitchen floor coating that is low/no VOC, you are virtually eliminating the likelihood that this type of odor transference will occur in a food processing environment.

- **Temperature Variation Constraints**

When selecting a food industry flooring system for your facility, it is also incredibly important to keep in mind that often in these types of spaces, temperatures will vary. While one part of your facility will bring cool or cold extremes, others will see warm or hot conditions. The floor

in a facility must be structured to handle both hot and cold temperatures, and able to cure under a very broad range.

- **Foot Traffic in Your Facility:**

From breweries to bakeries, we offer durable, high-quality systems that are engineered to last for years. We understand that flooring in food industry spaces needs to promote constant production, as downtime for replacements and repairs negatively impacts profit. This means it must be strong enough to avoid abrasions from carts, forklifts, and other heavy machinery. While also avoiding possible liability issues, It must be slip-resistant, so that fast-moving employees are less likely to get injured from falls and slips.

A Lifetime Value with Commercial Kitchen Floor Coating Systems:

Having a commercial kitchen floor coating that lives up to your high standards of safety and quality is essential. Our impressive applications of innovative floor coatings can be customized to the unique needs of your facility, and offer exclusive benefits that include:

- Superior Safety
- Easy Upkeep
- Extreme Durability
- Fast Installation

Grab an Estimate for Enhancing Your Kitchen with Commercial Coatings:



Venus Star has been the innovative, customer-first business trusted to provide the best in commercial floor coating systems applications. With a commitment to excellence every step of the way, we'll ensure that you get a final result that exceeds your expectations.

[G] Anti-Static Flooring systems:

For a wide range of industries, one critical consideration is whether a floor needs to be anti-static. Determining that answer is just the first step: if you need [anti-static flooring](#), you also need to know the types available, the benefits and the options to consider when choosing an anti-static floor provider.

What is an Anti-Static Flooring?

Anti-static industrial floors inhibit the generation of [electrostatic discharge or ESD](#), which is the pulse of static electricity that happens when a charged person or surface comes into contact with another object. The discharge may be visible as a spark or tiny blue bolt of electricity, although the majority of static electricity is not usually apparent.

We commonly refer to ESD as 'getting a shock' off an object or person, and in most instances, the static discharge is harmless, even if it hurts slightly when it occurs. In certain environments, however, an electrostatic discharge can be highly dangerous and potentially even catastrophic. In those cases, installing anti-static flooring is an essential step in creating a safe environment for workers and visitors.

Who Needs Anti-Static Floors?

While many organizations may consider anti-static flooring options for a variety of reasons, certain industries require anti-static floors as a most basic safety precaution. Chemical manufacturers and processors, as well as any businesses that may use flammable chemicals or materials in their operations, need to create static-free work environments to avoid igniting chemicals, fumes or even microscopic flammable particles. Electrostatic discharge can render sensitive electronic components useless, so organizations involved in the production or assembly of semiconductors or electronic goods need anti-static floors.

Additionally, any operations that rely on uninterrupted or guaranteed use of specialized electronic items, such as hospitals or air-traffic control rooms, should take precautions to avoid static. Other examples of industries that require anti-static flooring include military operations, pharmaceuticals, medical environments and even some food and beverage production environments.

How Does Anti-Static Flooring Help?

Anti-static floors help by taking the static electricity that builds up naturally in any environment and moving it through the floor to ground. By grounding the charge, anti-static flooring prevents the ESD from building up and discharging into the environment, where it could be destructive to goods or dangerous to people.

Almost any movement within an environment will contribute to the static electricity present, whether it's the familiar walking across a carpet in an office, the everyday movement of vehicles or heavy equipment over a warehouse floor or the repetitive movement of parts of an automated machine in a factory. The majority of electrostatic discharges are below 3,500 volts and totally undetectable to people, so we're not even aware of most of the potentially dangerous ESD happening all around us. Anti-static flooring, however, is capable of capturing all those charges and grounding them before they cause reactions.

How to Select Anti-Static Floors?

Just as there are many uses for anti-static flooring, there are also many choices to consider when choosing an anti-static floor. The first step is to understand the risks and requirements for your specific use case, including how electrostatic energy is generated in your location, the estimated strength of your average ESD and the potential consequences of electrostatic discharges in your facility.



Choosing a Solution and Provider:

Regardless of which anti-static flooring solution you choose, We at Venus Star have professional and knowledgeable installation which will make a big difference in the success and longevity of your floor. It is important to choose a provider or contractor based on their experience and reliability—not because of their lower price. The total cost of ownership of any industrial floor, whether anti-static, resin or concrete does not end with the installation. There are maintenance and repair to think of, which means warranties and quality work.

[H] Self Levelling Epoxy Flooring:

Self-levelling epoxy is a type of [epoxy floor coating](#) that can be applied over concrete floors to create a durable, low maintenance flooring surface. Specifically, self-levelling epoxy flooring can be applied over old cracked and damaged concrete floors to create a smooth, seamless surface. This is because during application the epoxy spreads out to fill cracks or chips in concrete floors.

Self-levelling epoxy flooring can be used in a number of applications including commercial, industrial, and residential applications. We recommend our self-levelling epoxy flooring for a wide variety of industries and buildings including in:

- Manufacturing Facilities
- Warehouses
- Showrooms
- Commercial Garages
- Commercial Kitchens
- Hospitals
- Aircraft Hangars

If you are looking for a flooring solution that will turn your old, dingy concrete floors into an attractive and lasting surface, our self-levelling epoxy flooring application services are the choice for you.

Benefits of Self Levelling Epoxy Flooring:

Self-levelling epoxy flooring is ideal for situations where the flooring will be required to have a high level of aesthetic appeal as well as abrasion resistance and durability. Epoxy flooring is an extremely durable and hard-wearing flooring that offers a number of benefits, which makes it ideal for everything from commercial and industrial applications to residential applications. The following are some of the main benefits of choosing self-levelling epoxy floors:

- High scratch and impact resistance
- Chemical and heat resistance
- Slip resistant, even when wet
- High gloss, appealing finish
- Easy to clean smooth, seamless finish

- Attractive, bright color options
- Variable thicknesses for versatile application

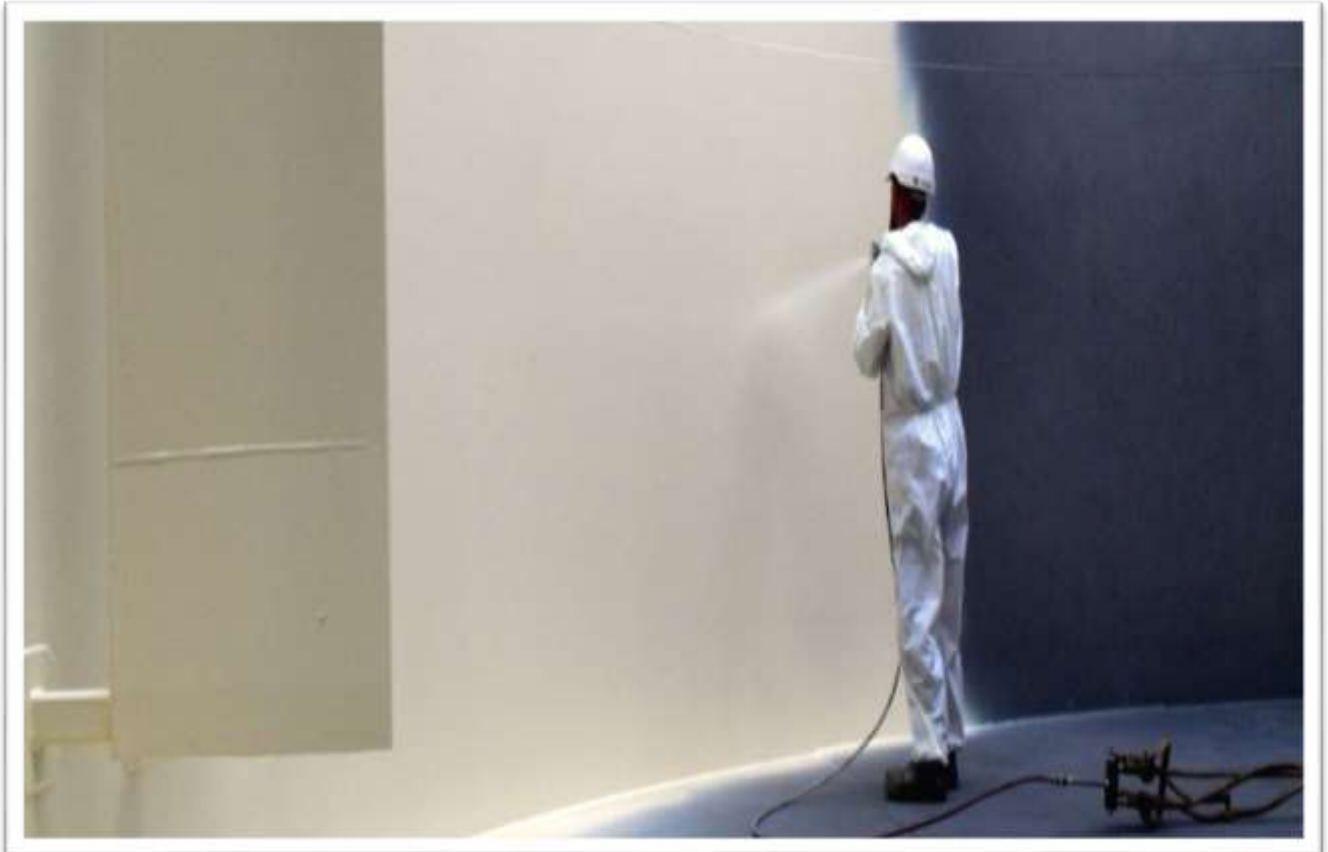
At Venus Star, we offer self-levelling epoxy flooring application services using our durable [epoxy floor paints](#) from leading manufacturers. This two-part epoxy flooring product is a self-levelling epoxy coating that can be applied over new or old concrete floors. When applying self-levelling epoxy, our professional installers use specialized rollers to apply the product evenly. This epoxy flooring system then cures and becomes a smooth, durable surface. The complete self-levelling epoxy flooring application process, when performed by our experienced installers, is a quick process having huge future benefits.

If you are interested in our self-levelling epoxy flooring installation services for your commercial or industrial building, please feel free to contact us today. We can tell you about the many benefits and uses of self-levelling epoxy flooring and help you to determine if this flooring option is right for you.



[I] Protective Coatings:

Various external hostile environmental substances, such as, water, carbon dioxide, oxygen, chlorides and sulphides are transported from the atmosphere into the concrete and attack steel and concrete in different mechanisms causing premature deterioration of reinforced concrete, challenging its durability and resulting in premature failure of the structures. The entry of the harmful agents can be restricted or avoided by providing the barrier surface coatings on the concrete. Thus, conservation of structural integrity can be achieved during its service life.



Deterioration Mechanism:

There are various mechanisms of concrete deterioration. But the present discussion on the topic of protective coating focuses only on the factors influenced by the atmospheric exposure of reinforced concrete. Among them, the very common ones are carbonation, chloride attack and attack by sulphides.

Know your variables:

A great variety of concrete coatings are available but identifying the right coating for a situation requires detailed knowledge of the environmental conditions your structure will face and the chemical expertise that is available. Applying coatings so that they adhere well is better

understood, but still requires careful and thorough surface preparation that may vary according to regional conditions.

Knowledge, experience and help from coating experts at Venus Star will help you in such decisions and will play a critical role in ensuring the success of protective coating for concrete structures.

[J] Polyurea coating:

Modern times call for modern technology:

Many traditional coating systems are not environmentally friendly. Often they outgas noxious fumes for days or even weeks as they slowly cure. Not only is this bad for the environment (and anyone around it), it also means projects have extended downtime while waiting for the protective coatings to cure.

Polyurea has been developed as a higher quality substitute for these existing coating systems. It cures nearly immediately (seconds or minutes as compared to hours or days/weeks). At the same time, it has better overall physical properties than traditional systems. And because polyurea is a completely inert, highly durable system that can withstand many of the harshest environments heavy industry has to offer, it is typically suitable for nearly any application.

What is Polyurea?

Technically speaking polyurea is 100% solids, plural component spray applied elastomer that is fast curing with exceptional physical properties such as flexibility, durability, and chemical resistance--similar yet superior to most polyurethanes. Polyurea's are the best choice for harsher environments which may be encountered when working in high impact/stressful applications *where optimum performance for long term durability is required.*

Polyurea Coating is a flexible, highly adaptable substance. It returns to its original shape even when subjected to enormous stress. Polyurea combines two relatively noxious chemical compounds into a single, completely inert, environmentally friendly end product. And once it's cured, polyurea's physical properties make it one of the best protective coatings available.

It is a great technology that encompasses many different formulations and physical property ranges. There are pure polyurea (defined by the PDA) and there are hybrid polyurea systems. Each possesses their own characteristics, advantages and disadvantages.

However, It must be specified and installed in combination with proper surface preparation and primers, correct manufacturer's material formulation, proper equipment, quality control inspection and trained applicators.

We are the specialist's for Polyurea lining/coating, its applied by a high-pressure spray that mixes a specially formulated chemical. It is touch dry within minute so your surface can be ready to use within a few hours of application.

Polyurea lining/coating can apply to concrete, wood, and metal substrates like steel, in a wide range of temperature and humidity environments. Polyurea lining/coating are utilized on



commercial roofs and are known for their ability to seal or repair the substrate, which promotes abrasion resistance and corrosion protection. Polyurea is also used for industrial applications, which include the lining/coating of chemical storage tanks, wastewater facilities, and even parking garages.

[K] Polyurethane Waterproofing

Unhealthy living areas and a weak foundation can significantly reduce the property value. Waterproofing increases the resale value of a building, which is perhaps one of the biggest advantages. Investors/buyers hardly even consider houses without waterproofing.



Polyurethane Waterproofing Treatment:

Polyurethane is made up of two components, base and reactor. Polyol acts as the base, while isocyanide is the reactor component. The combination of both these in a specific design ratio creates a liquid coating for waterproofing applications. Polyurethane is a rather popular choice due to its ease of installation. Unlike other waterproofing systems like sheet membranes application is fast and this type of treatment can be used for post construction applications as well.

Advantages of Polyurethane waterproofing systems:

- Easy and fast installation
- seamless finish
- Long term durability and wear resistant
- UV and weather resistant
- Resistant to alkaline cleaners, battery acid and fuels

[L] Joint Sealant works:

In order to accommodate structural and thermal changes, there are various types of sealants used in residential and light commercial application on sidewalks, pavements, airplane runways, balconies, terraces, industrial floors and swimming pool floors. The design of joint sealants is dependent on the substrates used to provide the joints. It is available in preformed and liquid-applied forms.

For a long-lasting sealing, the physical, chemical and durability properties are required to withstand the types of joints. However, the temperature and type of joint (movable or static) factors of the system will determine the preferred joint sealant.

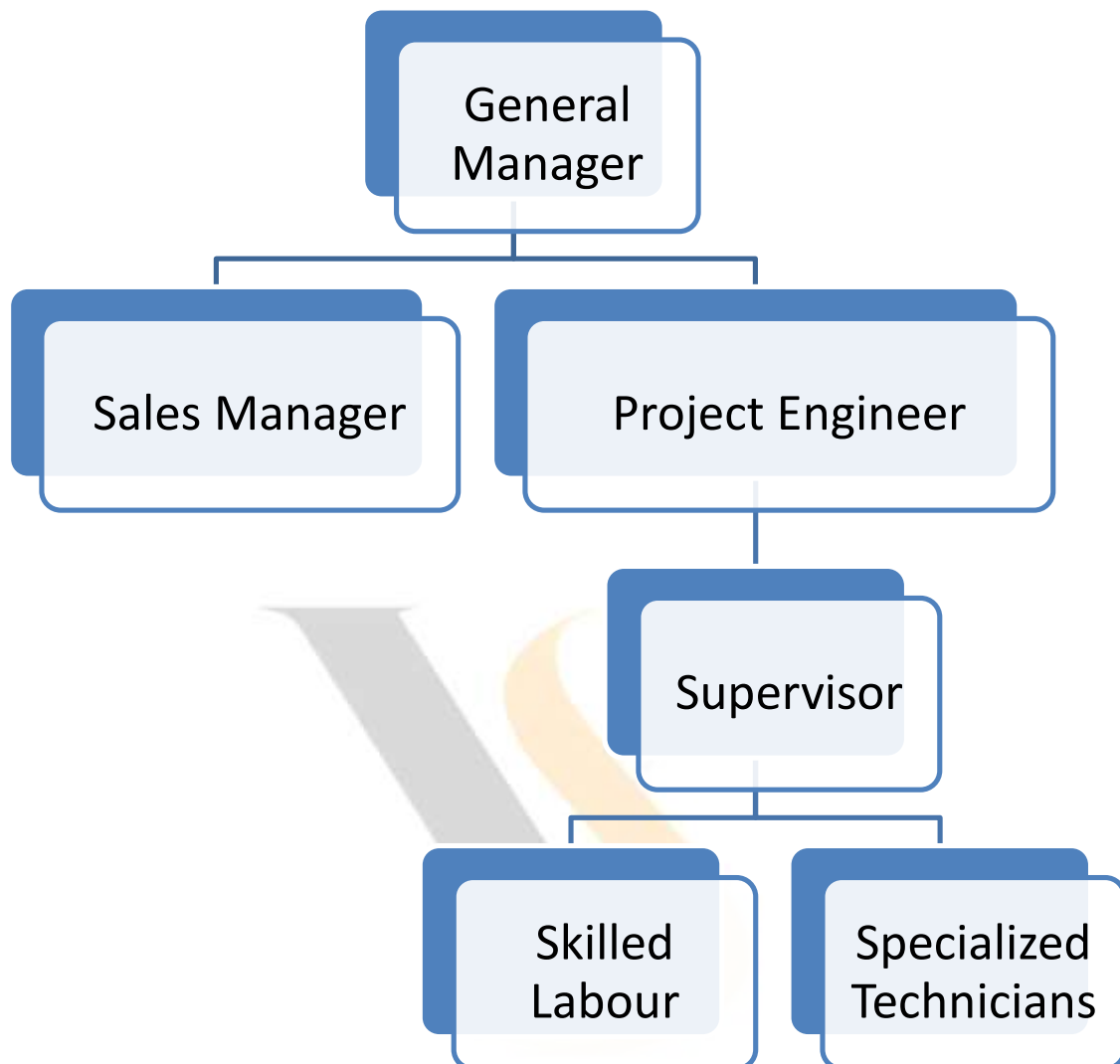
Some of the properties required to increase the performance of the joint sealant include:

- UV-resistant
- Non-chalking and non-staining
- Resists penetration and abrasion
- Flexibility when exposed to weather and aging
- Excellent resistance to physical and chemical reactions
- Quick curing and water-tolerant



As a leading specialist in adhesive and sealant applications, we're dedicated to our sealant installation works that respond to the highest standards and customer requirements in the construction market.

5. Organisation Chart:



[a] General Manager/ Roles & Responsibilities:

A General Manager (GM) will have overall responsibility for the successful planning, execution, monitoring, control and closure of a project. He must have a combination of skills including an ability to ask penetrating questions, detect unstated assumptions and resolve conflicts, as well as more general management skills.

A General Manager (GM) is a key figure of any Service Team. He will be primarily responsible for the overall successfulness of delivering a project, reaching set targets both safely and correctly.

He must be able to perform effectively within tight time-scales, keep within strict budgets and create a positive client environment such that clients become/remain in a good relationship throughout the contract.

He will manage a set of service deliveries, which must be achieved on time to ensure all activities in the schedule are completed in time. To overcome certain task, General Manager (GM) must show initiative and be able to find ways to best adapt a situation to provide a successful overall critical path analysis.

A General Manager (GM) will be expected to support the development of the leadership, both on-site and back in the offices. He will need to organize the best team possible to complete the project, whilst training and teaching the employees towards the companies core values. Encouragement of excellence and quality in work will lead to a great reputation amongst clients.

Responsibilities

- Plan the delivery of the project at hand.
- Manage the day-to-day working, utilization, implementation and technical consultants engaged on client assignments. From ensuring the correct material turns up before a job, to explaining the work ethics and activities to colleagues.
- Report progress on projects by suitable media to sector management, maintain and update project reporting, checkpoints and financial reporting to a high standard.
- Plan and arrange visits to existing and new potential clients, ensuring every client receives sufficient support to enhance their relationships.
- Develop contacts with senior staff, directors, and other influential staff within each account during the implementation phase.
- Co-ordinate required support levels and training.
- Produce reports on each project at agreed intervals, and whenever substantive actions are required.

[b] Project Engineer Job Role:

Project engineer manages the planning and design stage of ongoing projects. He carefully evaluates the structural, electrical, and mechanical condition of each project. Project engineer carefully inspect all drawings and designs before they are implemented. Project engineer plans personnel flows and decide how other contractors and subcontractors will support ongoing operations. The Project engineer also analyses a job's financial projections to ensure they are accurate and practical.

Project engineer keeps an up-to-date understanding of all legal obligations and contract terms to prevent project delays, support all construction workers, and actively drive projects to completion.

Responsibilities:

- Completes assigned projects by organizing and controlling project elements.
- Develops project objectives by reviewing project proposals and plans and conferring with management.
- Determines project responsibilities by identifying project phases and elements, assigning personnel to phases and elements, and reviewing bids from contractors.
- Determines project specifications by studying product design, customer requirements, and performance standards.
- Completes technical studies and prepares cost estimates.
- Determines project schedule by studying project plan and specifications, calculating time requirements, and sequencing project elements.
- Maintains project schedule by monitoring project progress, coordinating activities, and resolving problems.
- Controls project plan by reviewing design, specifications, and plan, scheduling changes, and recommending actions.
- Controls project costs by approving expenditures and administering contractor contracts.
- Prepares project status reports by collecting, analyzing, and summarizing information and trends; recommending actions.
- Maintains safe and clean working environment by enforcing procedures, rules, and regulations.

[c] Site Foreman/Supervisor:

A Site Supervisor Completes Projects by Planning, Organizing, And Controlling Projects; Completing Quality Inspections; Supervising Sub-contractors And Staff.

Construction Projects require coordination between many different contributors. Laborers, Managers, Supervisors, Clients and other Stakeholders work together to ensure that the projects proceed as planned. Construction site supervisors are vital to the process, using their Experience to guide different types of workers to successful completion of a Project.

Responsibilities:

- coordination and supervision of workers.
- provide schedules for workers
- assign tasks to construction laborers
- liaise with contractors, managers and other stakeholders, ensuring that all parties remain coordinated.
- translate design prints into plans
- organizing the equipment and manpower necessary to complete the project.
- responsible for maintaining safety and quality standards
- keeping detailed records of construction site activities.

[d] HSE Officers Roles:

- HSE officers, also known as health, safety, and environment officers monitor health and safety, assess risk, and design strategies to reduce potential hazards within an assigned workplace or geographic area. HSE officers manage and train other health and safety staff members and frequently travel to perform field investigations and respond to incident reports.

Responsibilities:

HSE officers perform varied job duties based on the area they're responsible for, but these core tasks are common in all environments:

- **Monitor Health and Safety**

HSE officers monitor incidents of injury, illness, and other situations within an assigned geographic area.

- **Create Reports**

HSE officers write reports detailing health and safety within their assigned research market.

- **Develop Strategies**

HSE officers design strategies to reduce incidents of illness, environmental accidents, and other issues that may affect public safety.

- **Investigate**

HSE officers go into the field to investigate environmental accidents and other public safety concerns within their market. They may also assign team members to investigate reported incidents.

- **Design Training Programs**

HSE officers design training programs to provide safety awareness education.

- **Give Presentations**

HSE officers give presentations about current safety hazards based on market research to educate others about avoiding health, safety, and environmental hazards.

6. UAE Trade Licence:

مركز أبوظبي للأعمال
Abu Dhabi Business Center



دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT



Commercial License

Emerging Economic Establishment

رخصة تجارية

منشأة اقتصادية ناشئة

License No	:	CN-2084709	:	رقم الرخصة
ADCCI No	:	341886	:	عضوية الغرفة
Establishment Card MOHRE	:	874231	:	وزارة الموارد البشرية والتوطين بطاقة المنشأة
Establishment Card ICA	:		:	الهيئة الاتحادية للهوية والجنسية بطاقة المنشأة
Legal Form	:	Limited Liability Company	:	شركة ذات مسؤولية محدودة الشكل القانوني
Trade Name	:	VENUS STAR GENERAL CONTRACTING L.L.C.	:	فيون ستار للمقاولات العامة ذ.م.م الاسم التجاري
Establishment Date	:	27/01/2016	:	تاريخ تأسيس المنشأة
Issue Date	:	21/01/2022	:	تاريخ الإصدار
Expiry Date	:	04/02/2023	:	تاريخ الانتهاء

الصفة Role	الجنسية Nationality	المالك / الشريك Owners / Partners	الرمز No.
شريك Partner	الإمارات العربية المتحدة United Arab Emirates	حمدان محمد عبدالله الجعدي الحصري HAMDAN MOHAMMED ABDULLA ALJEAIDI ALHADHRAMI	41495189
شريك Partner	الهند India	راداكريشنا بيلاي جاناردان بيلاي RADHAKRISHNA PILLAI JANARDHANAN PILLAI	41538949

Commercial Activities : الأنشطة التجارية
 - Buildings Maintenance - صيانة المباني
 - Concrete Works - أعمال الخرسانة
 - * All Kind Building Projects Contracting - * مقاولات مشاريع المباني بأنواعها
 - Onshore And Offshore Oil And Gas Fields And Facilities Services - خدمات حقول ومنشآت النفط والغاز البرية والبحرية

The Contractor is not permitted to practice the activities marked with sign (*) unless these activities are classified and a Classification certificate is obtained for the department of Department of Urban Planning and Municipalities
 لا يحق للمقاول ممارسة الأنشطة المشار إليها بعلامة (*) إلا بعد الحصول على شهادة التصنيف المعتمدة من دائرة التخطيط العمراني والبلديات

Address : مصلح، م 2 ق 11 مكتب 71، وحيد المالك/ عبدالله بن زايد بن سلطان آل نهيان/ وآخرون
Onwani Address : العنوان الموحد

وثيقة مضمنة وصغيرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.adbc.gov.ae
 Approved document issued without signature or stamp by the Department of Economic Development - Abu Dhabi. To verify the license kindly visit www.adbc.gov.ae



غرفة أبوظبي
ABU DHABI CHAMBER



وزارة الداخلية
القيادة العامة للشرطة
MINISTRY OF INTERIOR
GEN. COMMAND OF CIVIL DEFENSE

www.adbc.gov.ae

IN-COUNTRY VALUE CERTIFICATE REVISION 3



A. COMPANY GENERAL INFORMATION

Name (as per License)		License No.	
Venus Star General Contracting LLC		CN-2084709	
Address (as per License)		Contact Person Details	
P.O. Box: 8705, Office No. 71, Mussafah M2 Abu Dhabi, United Arab Emirates		Name: Radhakrishna Pillai Janardhanan Pillai E-mail: venustaruae@gmail.com Office: 02 582 7617 Mobile: 056 830 7651	
Company Type (Select from drop down list)	SME in UAE	Company based in (Select from drop down list)	Within UAE
Financial Year End date (mm/dd/yyyy)	31 December 2018	Audited Financial Statement issue date (mm/dd/yyyy)	8 July 2020
Company Business	SERVICE PROVIDER		

B. IN-COUNTRY VALUE DETAILS

Description	Applicability	Overall ICV Component
Goods Manufactured	N/A	N/A
Third Party spend	Yes	12.71%
Investment	Yes	10.00%
Investment - top up	Yes	0.00%
Manpower - Emiratization	Yes	0.00%
Manpower - Expats	Yes	4.59%
Additional Bonus (Revenue from outside UAE + Emirati Head count + Investment growth)	Yes	1.20%
TOTAL ICV SCORE		28.49%

ORIGINAL CERTIFICATE ISSUE DATE	30 July 2020	ICV SCORE VALID TILL	7 September 2021
---------------------------------	--------------	----------------------	------------------

C. FOR CASES OF RE-CERTIFICATION (*) (CERTIFYING BODY TO FILL THE DETAILS)

Re-certification (*) No.	N/A	(*) When re-certified based on same financial statement used for Original ICV certificate
--------------------------	-----	---

Reason for this Recertification	N/A
Signed by	Verified as per ICV Agreed Upon Procedures (AUP)
On behalf of Supplier	On behalf of Certification Body
Name: Radhakrishna Pillai Janardhanan Pillai	Name: B.S.Mony
Designation: Managing Director	Designation: Senior Partner
Date: 30-July-2020	Company: Baker Tilly MKM Chartered Accountants
	Date: 30 JUL 2020
	Certificate issued based on Guideline Version: 3

• Chamber of Commerce Certificate



غرفة أبوظبي
ABU DHABI CHAMBER

إلى من يهمه الامر

رقم الشهادة: DC0000079294

تاريخ الاصدار: 8/3/2022

تشهد غرفة تجارة وصناعة أبوظبي وبحسب سجلاتها بأن العضوية ادناه مسجلة تحت البيانات التالية:

اسم :	فينوس ستار للمقاولات العامة ذ.م.م			
حالة العضوية:	نشطة			
رقم الرخصة :	CN-2084709			
رقم الموحد :	341886			
تاريخ التأسيس:	27/1/2016			
تاريخ الانتهاء:	4/2/2023			
الشكل القانوني:	شركة ذات مسؤولية محدودة			
المدينة:	ابوظبي			
بريد الكتروني:	venusstaruae@gmail.com			
رقم الهاتف الارضي:	5827617			
المالكين / الشركاء / وكيل الخدمات				
الاسم	رقم الهوية / رقم جواز السفر	الجنسية	الصفة	نسبة المشاركة
جناردان بيلاي راداكريشنان	Indian	الهند	شريك	49.00
حمدان محمد عبدالله الجعدي الحضرمي	RCKG08114	الامارات	شريك	51.00

النشاط التجاري

- صيانة المياني
- اعمال الخرسانة
- خدمات حقول ومبشآت النفط والغاز البرية والبحرية
- مقاولات مشاريع المياني بأنواعها

بتم إصدار هذه الشهادة بناءً على طلبهم دون أي مسؤولية من جانب غرفة تجارة وصناعة أبوظبي.



محمد هلال المهيري
المدير العام

غرفة أبوظبي الرقمية
Abu Dhabi Digital Chamber

مستند صادر من غرفة أبوظبي - دولة الإمارات العربية المتحدة ولمزيد من التحقق
الرجاء زيارة الرابط: <https://digital.abudhabichamber.ae/Portal/#/certificate-validation>



- **Chamber of Commerce Certificate**



غرفة أبوظبي
ABU DHABI CHAMBER

TO WHOM IT MAY CONCERN

Ref No. : DC0000079294

Date : 8/3/2022

Abu Dhabi Chamber of Commerce & Industry, after perusal of its records, hereby certify that:

Name : VENUS STAR GENERAL CONTRACTING L.L.C.

Status: Active

Economic Dep No : CN-2084709

Unified Number : 341886

Registration date : 27/1/2016

Expiry Date : 4/2/2023

Legal Form : Limited Liability Co

P.O.BOX : 8705

City : Abu Dhabi

Email : venusstaruae@gmail.com

Website :

LandLine Phone : 5827617

Mobile Phone : 971568007651

Owners / Partners / Sponsor

Name	Nationality	Emirates Id / Passport number	Participation	Share %
Radhakrishna Pillai Janardhanan Pillai	India	Indian	Partner / شريك	49.00
Hamdan Mohammed Abdulla Aljeaidi Alhadhrami	U.A.E	RCKG08114	Partner / شريك	51.00

الغرفة الرقمية
The Digital Chamber

معاً نحو مستقبل مزدهر
Together towards a prosperous future





غرفة أبوظبي
ABU DHABI CHAMBER

TO WHOM IT MAY CONCERN

Ref No. : DC0000079294

Date : 8/3/2022

Business Activity

- Buildings Maintenance
- Concrete Works
- On-shore And Off-shore Oil And Gas Fields And Facilities Services
- All Kinds of Building Projects Contracting

This Certificate is issued upon request of the above-name without any responsibility or liability on the Abu Dhabi Chamber of Commerce and Industry



مستند صادر من غرفة أبوظبي-دولة الإمارات العربية المتحدة، ولمزيد من التحقق الرجاء زيارة الرابط

Document issued by Abu Dhabi Chamber-United Arab Emirates, for further verification please visit our website
https://digital.abudhabichamber.ae/Portal/*/#/certificate-validation

Mohammed H. Al Mheiri
Director General

الغرفة الرقمية
The Digital chamber
معاً نحو مستقبل مزدهر
Together towards a prosperous future



- **ISO 9001:2015 Certificate:**



CERTIFICATE OF APPROVAL

This is to Certify that the Management System of

Venus Star General Contracting L.L.C.

P.O. Box No 8705, Musaffah M2, Office No 71, Abu Dhabi, UAE

has been assessed by Technical Standards Institute to the following
Management System Standard:

ISO 9001 : 2015

to the below applicable scope

**Concrete Repairs, Structural Strengthening, Industrial Flooring,
Dry Crack Injection, Leakage Injection, Polyurea Lining, Protective Coating,
Waterproofing Services, Joint Sealant Works, Anti Static Flooring System**

Certificate No: TQM/AE119/0151
Initial Registration Date: 11 March 2020
Issuance Date: 21 March 2020
Date of Expiry: 21 March 2023
Revision: 00

1st Surveillance Due: 12 March 2021

This Certificate is valid if the box is filled with color that means surveillance audit has been done.

☐

2nd Surveillance Due: 12 March 2021

This Certificate is valid if the box is filled with color that means surveillance audit has been done.

☐


To verify the certificate please scan the above QR code.

[Signature]
For & on behalf of
Technical Standards Institute (TSI)



Email: info@techstandi.com
Website: www.techstandi.com
P.O. Box 332, 403 21 Halmstad, Sweden

Registered Accreditation Office - Accredited by World Accreditation Systems (WAS) Suite 2A, Blackthorn House, St. Pauls Square, Birmingham, B3 1RL, UK and Registered in companies' house, Company Number: 12246761.

This certificate is subject to the maintenance of management system to the required standards by the organization, which will be assessed by TSI. The use of this certificate and the TSI certification mark are subject to the regulations applicable to holders of TSI Certificates. This certificate is the property of TSI and shall be returned when requested. It may only be reproduced in its entirety and without change.

- ISO 14001:2015 Certificate:



CERTIFICATE OF APPROVAL

This is to Certify that the Management System of

Venus Star General Contracting L.L.C.
P.O. Box No 8705, Musaffah M2, Office No 71, Abu Dhabi, UAE

has been assessed by Technical Standards Institute to the following
Management System Standard:

ISO 14001 : 2015

to the below applicable scope

**Concrete Repairs, Structural Strengthening, Industrial Flooring,
Dry Crack Injection, Leakage Injection, Polyurea Lining, Protective Coating,
Waterproofing Services, Joint Sealant Works, Anti Static Flooring System**

Certificate No: TEM/AE39/0082
Initial Registration Date: 11 March 2020
Issuance Date: 21 March 2020
Date of Expiry: 21 March 2023
Revision: 00

1st Surveillance Due: 12 March 2021

This Certificate is valid if the box is filled with color that means surveillance audit has been done.

☐

2nd Surveillance Due: 12 March 2022

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☐


To verify the certificate please scan the above QR code.

[Signature]
For & on behalf of
Technical Standards Institute (TSI)



Email: info@techstandi.com
Website: www.techstandi.com
P.O. Box 332, 403 21 Halmstad, Sweden

Registered Accreditation Office: Accredited by World Accreditation Systems (WAS) Suite 2A, Backhorn House, St. Pauls Square, Birmingham, B5 1RL, UK and Registered in companies' house, Company number: 12240781.

This certificate is subject to the maintenance of management system to the required standard by the organization, which will be assessed by TSI. The use of this certificate and the TSI certification mark are subject to the regulations applicable to holders of TSI Certificates. This certificate is the property of TSI and shall be returned when requested. It may only be retained when requested. It may only be reproduced in its entirety and without change.

- **ISO 45001:2018 Certificate:**



CERTIFICATE OF APPROVAL

This is to Certify that the Management System of

Venus Star General Contracting L.L.C.
P.O. Box No 8705, Musaffah M2, Office No 71, Abu Dhabi, UAE

has been assessed by Technical Standards Institute to the following
Management System Standard:

ISO 45001 : 2018

to the below applicable scope

**Concrete Repairs, Structural Strengthening, Industrial Flooring,
Dry Crack Injection, Leakage Injection, Polyurea Lining, Protective Coating,
Waterproofing Services, Joint Sealant Works, Anti Static Flooring System**

Certificate No: TOSH/AE20/0030
Initial Registration Date: 11 March 2020
Issuance Date: 21 March 2020
Date of Expiry: 21 March 2023
Revision: 00

1st Surveillance Due: 12 March 2021

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☐

2nd Surveillance Due: 12 March 2022

This Certificate is valid if the box is filled with color that means surveillance audit has been done.

☐


To verify the certificate please scan the above QR code.

[Signature]
For & on behalf of
Technical Standards Institute (TSI)



Email: info@techstandi.com
Website: www.techstandi.com
P.O. Box 332, 403 21 Halmstad, Sweden

Registered Accreditation Office: Accredited by World Accreditation Systems (WAS) Suite 2A, Backthorn House, St. Pauls Square, Birmingham, B3 1RL, UK and Registered in companies' house, Company Number: 12246761.

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7. Approved Applicator Certificates :
Master Builders Construction Chemical LLC



APPROVED APPLICATOR CERTIFICATE

This certifies that

VENUS STAR GENERAL CONTRACTING LLC

have been registered as an Approved Applicator
and demonstrated competence in applying
the following Master Builders Solutions products

Ucrete MF, Ucrete UD200, Ucrete HF60RT, Ucrete HF100RT,
Ucrete RG Coving, Ucrete DP10, MasterTop 1324, MasterTop 1205,
MasterTop 1210, MasterTop 1210CP, MasterTop 1230,
MasterSeal Traffic 1330, MasterSeal Traffic 1331, MasterSeal Traffic 1332

For and on behalf of

Master Builders Solutions Construction Chemicals LLC



Saad Sabbah Master Builders Solutions Construction Chemicals LLC
Senior Vice President - Middle East and Africa

Valid from: 01st January 2022

Valid until: 31st December 2022

(subject to periodic site inspections)

Ref: APC0667 - RJ110122 - Venus Star Gen. Contr LLC (Ucrete MF+UD200+HF60RT+HF100RT, etc) (Renewed)

A brand of
MBCC GROUP

APPROVED APPLICATOR CERTIFICATE

This certifies that

VENUS STAR GENERAL CONTRACTING LLC

have been registered as an Approved Applicator
and demonstrated competence in applying
the following Master Builders Solutions products

**MasterBrace FIB, MasterBrace LAM, MasterBrace ROD, MasterFlow 932AN,
MasterBrace CON, MasterBrace ADH 4000, MasterBrace SAT 4500,
MasterBrace ADH 2200, MasterEmaco S 466PM, MasterEmaco S 488PM,
MasterInject 1315, MasterInject 1320, MasterInject 1335**

For and on behalf of

Master Builders Solutions Construction Chemicals LLC



Saad Sabbah

Senior Vice President - Middle East and Africa

Valid from: 01st January 2022

Valid until: 31st December 2022

(subject to periodic site inspections)

Ref: APC0709 - RJ/110122 - Venus Star Gen. Cntrg LLC (MBrace FIB+LAM+BAR, etc) Renewed

APPROVED APPLICATOR CERTIFICATE

This certifies that

VENUS STAR GENERAL CONTRACTING LLC

have been registered as an Approved Applicator
and demonstrated competence in applying
the following Master Builders Solutions products

MasterTop P 650, MasterSeal M 689, MasterProtect 180

For and on behalf of

Master Builders Solutions Construction Chemicals LLC

شركة مبسولز كيميائيات البناء (ش.م.م.)

P.O. Box: 37127, Dubai - U.A.E.
Saad Sabbah Master Builders Solutions Construction Chemicals LLC
Senior Vice President - Middle East and Africa

Valid from: 01st January 2022

Valid until: 31st December 2022
(subject to periodic site inspections)



Ref: APC0992 - RJ110122 - Venus Star Gen Contrg LLC (MTop P 650+M 689+180) Renewed

BASF APPRECIATION PROJECT REPORT ON POLYUREA COATING IN WAVE TANK AT KHALIFA UNIVERSITY-ABU DHABI



Project:
WAVE TANK

Location:
Khalifa University, Abu Dhabi

Project completion:
MARCH - 2020

Owner/s:
KHALIFA UNIVERSITY

Designer:
Elite Design & Engineering
Consultancy

Contractor:
Z General Contracting LLC
New Engineers Contracting LLC

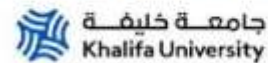
Applicator:
VENUS STAR General
Contracting LLC

Market sector:
Education

Products used:
Masterseal M680, MasterTop P
650, MasterTop 6R, MasterFlow
936AN, MasterBrace ADH
1414, MasterEmaco
S468, MasterEmaco S488,
MasterInject 1315, MasterBrace
ADH 2200, MasterSeal
910, MasterSeal
911, MasterFlow
628, MasterEmaco 8100AP

Sales contact:
Azhar Malik
0504579464
Azhar.malik@mbcc-group.com

ABUDHABI KHALIFA UNIVERSITY WAVE TANK



The background

Khalifa University is a science-focused university located in Abu Dhabi, United Arab Emirates with a satellite campus in Sharjah. In 2017 it is ranked as the 401st best university in the world by QS rankings Super Regional Centre.

The Project consists of a Tank initially build and designed for some unidentified activity that is now converted into a wave tank, which can produce digitally controlled pseudo random waves with definable spectral and directional statistics.

The challenge

- Fosroc Polyurea WPE specified as a waterproof coating.
- Hilti RE 500 Anchoring specified by consultant to raise the tank floor which was later converted to MasterFlow 936AN
- BASF no previous reference/approval for Polyurea applied under fully submerged conditions within the Gulf Region.
- Contractor hesitant to submit BASF waterproofing system since no previous approval from local region.
- Challenging to convince the consultant to go for BASF Polyurea system

Contact

BASF Construction Chemicals UAE LLC
Performance Flooring Solutions from BASF
Tel : +971 4-8090800
Fax : +971 4-8851002
www.master-builders-solutions.basf.ae



Project profile:



Our solution

BASF Repair methodology was adopted to repair the cracks prior to the application of waterproof coating. Repairs included raising the floor slab incorporating rebars using MasterFlow 936AN Anchoring chemical.

MasterSeal M 689 Pure Polyurea identified & applied as a waterproof coating for a total area of 432 sqm.

Customers Benefit

All the parties were satisfied with the proactive approach of BASF staff, timely technical assistance required, follow ups and especially our applicator Venus Star General contracting offering timely mockup and submission of drawings and other details for approval.

Project facts at a glance:

- Experienced BASF staff available on site.
- Applicator Venus Star who had good experience of Polyurea application processes & detailed knowledge of application equipment.
- BASF a single source of supply for all repair Materials & other accessories.
- Fast application of Polyurea made it possible to meet the short work time set by the client.
- A successful outcome for the client in terms of water tightness, chemical & environmental or atmospheric resistance



- FOSROC LLC



APPLICATOR CERTIFICATE

VENUS STAR GENERAL CONT. LLC

Has been certified
as an approved applicator
of the following Fosroc products

**FLOORING, CONCRETE REPAIR
& INJECTION WORKS**

For AL GURG FOSROC LLC



Shaimaa Hassan

Shaimaa Hassan
Marketing Manager

Valid From: 11th January 2021

Valid Until: 12th January 2022

* **Note:** This certificate is issued on request, and we have no contractual obligation whatsoever.

Al Gurg Fosroc Co. LLC

PO Box 657, Dubai, United Arab Emirates, Tel: 04 2039699, Fax: 04 2859649
email: agf@fosroc.com, www.fosroc.com

CER-005A-0121

- **SIKA LLC**

CERTIFICATE

FOR APPROVED SIKA APPLICATORS

This is to certify that key people of the company

VENUS STAR GENERAL CONTRACTING L.L.C.

successfully passed the applications training of the following Sika Products and is Approved Applicator:

SIKA® CARBODUR® S, SIKADUR®-30 LP, SIKADUR®-300, SIKAWRAP® FX-50 C, SIKA ANCHORFIX® 2+ TROPICAL, SIKACRETE®-113 PP SR, SIKACRETE®-180, SIKADUR®-42 MP SLOW

This comprehensive training consisted of practical instructions about proper storage, preparation and application of Sika Products.

The Approved Applicator has been provided with the relevant Sika Product Data Sheets and all other technical documentation.

This confirmation is valid until the date of expiry below and may be renewed subject to the Approved Applicator successfully completing any training courses required by Sika. The Approved Applicator is responsible for ensuring all compliance by its employees with Sika's guidelines, training instructions and any other requirements of the third parties.

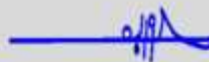
Sika is not responsible for any loss or damage suffered by any third party as result of any acts or omissions of the Provisional Applicator arising in anyway, including but not limited to breach of contract, misrepresentation, failure to comply with applicable laws or any other sort of including negligence.

Dubai, January 4, 2022

Expiry Date: December 31, 2022



Ivan Petrovic
Technical Services Manager UAE |
Product Engineer GCC



Joseph Nabih
General Manager – UAE

This Recommendation does not assume responsibility for the correct storage, mixing or use of these Products. Sika shall not be liable for damage to persons or property, loss of business or profit or any other direct, indirect, incidental, special or consequential damage so caused by the Approved Applicator. Sika shall also not be responsible for use of these Products in a manner to infringe on any patent or other intellectual property rights held by others. Sika's liability is limited to the quality only of the supplied material. Any failures due to wrong application or storage not in accordance with the given guidelines as stated on the latest Technical Data Sheets, as well as structural or mechanical failures are excluded herein.

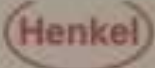
Sika UAE LLC
Plot 61 (533-279), Salh Shuaib 4 (533)
Dubai Industrial City (DIC)
P.O. Box 126212, Dubai
United Arab Emirates
Tel: +971 4 4398200
Fax: +971 4 4393606
gcc.sika.com

BUILDING TRUST



- Henkel Polybit LLC

هينكل بولبيت للتجارة ذ.م.ج
 صندوق: 91479، أبو ظبي، الإمارات العربية المتحدة
 هاتف: +971 2 5575806 | فاكس: +971 2 5575802




Henkel Polybit Trading L.L.C
 P.O. Box 91479, Abu Dhabi - UAE
 Tel. +971 2 5575806 | Fax. +971 2 5575802
abu@henkelpolybit.com | henkelpolybit.com

Ref. No.: HPIL/AUH/1905/17/EC
 1st May 2016

APPLICATOR CERTIFICATE

We acknowledge M/s Venus Star General Contracting LLC, United Arab Emirates, as a proficient company, specialized in executing Floor Coating, Protective coatings & Concrete Repair jobs using our products.

Henkel Polybit Industries Ltd. recommends M/s Venus Star General Contracting LLC, United Arab Emirates as an approved applicator for executing quality flooring / protective coating jobs using our products.

This certificate is valid for one year from the date of issue.

For Henkel Polybit Industries Ltd.



Authorized Signatory

- Company Pre Approval

AECOM		
SUBMITTAL REVIEW		
DATE: 1-Sep-19	Doc. No. YA-TGC-NR-PW-AR-PQ-0024	Rev. 01
Related Material Sample No. N/A		Rev. N/A
TITLE: Pre-Qualification Document of M/s. Venus Star General Contracting L.L.C for Epoxy Coating Works. Area of Application:- All Non Residential Buildings.		
TO BE REVIEWED BY: ☒ ALDAR ☒ AECOM		
TYPE OF SUBMITTAL: ☐ Material Submittal ☐ Material Sample ☐ Method Statement ☐ Operational Procedures ☐ Others:		
DISCIPLINE: ☒ Architectural ☐ MEP ☐ Health & Safety ☐ Structural ☐ Civil ☐ Others:		
No.	Date	Description
01	1-Sep-19	Pre-Qualification Document of M/s. Venus Star General Contracting L.L.C for Epoxy Coating Works. Area of Application:- All Non Residential Buildings.
		Prepared: Engr. O.P Shyju Project - QA / QC Manager
		Verified: Engr. Elsayed Mohammed Towfeek Project Director 
REVIEW COMMENTS		
Consultant Engineers Comments: (AECOM) - Approval is subject to: 1. Material submittal and shop drawings approval. 2. Site satisfactory performance. 3. Full compliance with Project specifications, Authority requirements. - All licenses should keep valid throughout project duration		
		
☐ A- Approved ☒ B- Approved with Comments ☐ C- Revise and Resubmit ☐ D- Rejected ☐ E- Not Reviewed		
Name: Murad Jerbi		Date: 7 Sep 2019
Signature: 		

RESIDENTIAL/COMMERCIAL TOWER, ADNEC CAPITAL CENTER, ABU DHABI

Document Transmittal

To :	Amar Golden Design LLC	Transmittal	Date
Attention :	AMGD	CivilCo: C172-DT-0852	Rev.00
Cc :			31-May-20

Types of Document		Disciplines		Attachments of Document	
Pre-Qualification ☒	Test Report ☐	Civil ☐	Mechanical ☐	Technical Data ☐	Compliance Sheet ☐
Material Submittal ☐	Monthly Report ☐	Structural ☐	Electrical ☐	Specifications ☐	Certificates ☐
Shop Drawings ☐	Others:	Architectural ☐	HVAC ☐	Soft Copy (CD) ☒	Hard Copy ☒
Design ☐			Plumbing ☐	Sample ☐	Others:
Calculations ☐					
Method Statement ☐					
Risk Assessment ☐					

By: 9:02 am

Originator
Company Name: VENUS STAR GEN. CONT. LLC

S.No	Reference No.	Rev	Description	Issued for	Review Status (by Engineer)
1	C172-PQ-0046	0	Pre-qualification Document of M/S Venus Star General Contracting L.L.C.	Approval	B
			Applicator of Non-Toxic Epoxy Resin Coating for Concrete Water Tank and Sump Pit		

ESTIDAMA REQUIREMENTS	APPLICABLE ☒	NOT APPLICABLE ☐
Const. Mngr / Tech. Eng:	Project Manager: George Ajjan	
Signature:	Signature:	31-May-20

Consultant Comments:

- * TO COMPLY WITH PROJECT DESIGN REQUIREMENTS, SPECIFICATION AND MANUFACTURER'S RECOMMENDATION.
- * SUBJECT TO SATISFACTORY PERFORMANCE AT SITE.

For Consultant: MOHAMED ISMAIL.	Stamp:	Contractor's Circulation Stamp: ADNEC Project C172
Signature:		
Date: 3/6/20		
Consultant PM's Comments:		
For Client:		
Contractor Receiver's:	RECEIVED 03 JUN 2020	
	BY:	

	Copy	Action
P.M.		
C.M.		
T.E.		
Arch.		
Q.S.		
QA/QC		
H.S.E		
M.E.P		
Subcon		

Legend: A (Approved) B (Approved with Comments) C (Revised & Resubmit) D (Rejected) E (Information)



بولنسكي وزولنر أبو ظبي - ذ.م.م.
POLENSKY & ZOELLNER ABU DHABI W.L.L.

Sub-Contractor / Supplier Submittal Form

Document Ref. No: ESWA14-PZ-GE-AR-PQN-0008	Rev. No. 00	Date: 03-Oct-2016
Project Details:		Project Number:
Project Name: ETIHAD AIRWAYS A14 SKY CITY WAREHOUSE		
Client: ETIHAD AIRWAYS PJSC	Design Consultant: GHD	
PM/QS Consultant: RIDER LEVETT BUCKNALL	Contractor: POLENSKY & ZOELLNER ABU DHABI WLL	

Discipline	☐ Civil/Structural	☒ Architecture	☐ Mechanical	☐ Electrical	☐ Others
Description of work to be performed:					
Pre-qualification for Applicator of Floor Coating Works					

Sub-Contractor / Supplier Detail:		Attachment:
Name: Venus Star General Contracting LLC Trade Name: Venus Star General Contracting LLC Experience: Location: ABU DHABI, UAE Postal Address: P.O Box 8705 Abu Dhabi - UAE Contact Name: J R Pillai Tel. # 02 582 7617 Fax #: 02 582 7616 Is the company certified against any quality standards: Adherence to quality system: YES Adherence to HSE: YES Is the company OHSAS 18001 (Health and Safety Certified)		Chamber of Commerce: ☒ UAE License: ☒ Municipal License: ☒ Other Licenses: ☐ Pre-qualification: ☒
Contractor Signature and Stamp:	Date: 03/10/2016	

Received By:	Date:
---------------------	--------------

Consultant's Comments:

Reviewed By & Signature:	Date:
-------------------------------------	--------------

PM/QS Consultant Comments:
Having seen the Pre-Qualification submitted, the product details, the list of projects and the years of expertise of the company, RLB has no objection with regards to Venus Star General Contracting LLC to be appointed as sub-contractor by PZ for the applicator of Floor Coating Works.

Reviewed By & Signature:	Date: 04 October 2016
-------------------------------------	------------------------------

Client Comments:
Confirmation From ISASF regular

Status	
☐ A- Approved ☐ B- Approved with Comments ☐ C- Revise and Resubmit ☐ D- Rejected ☐ E- Retained for Information	

Reviewed By & Signature:	Date: 5/10/16
-------------------------------------	----------------------

Received By:	Date:
---------------------	--------------

Distribution:			
☐ Client	☐ PMC	☐ Consultant	☐ Contractor

POLENSKY & ZOELLNER ABU DHABI W.L.L.

CIVIL ENGINEERING & BUILDING CONTRACTORS

بولنسكي و زولنر أبوظبي - ذ.م.م.

تعهّدات هندسية مدنية والبناء

Ref: 054/PZ-VS/001
Dated: 06th July 2017

VENUS STAR GENERAL CONTRACTING LLC

P.O.Box 8705, Mussafah M2, Office No 71, Abu Dhabi, UAE

Tel : 02-5827617

Fax : 02-5827616

Attention: Mr. J R Pillai
General Manager

Project: AL RAHA BEACH RESIDENTIAL BUILDING
PLOT RBW7-09, AL-RAHA BEACH, ABU DHABI, UAE

Subject: Approval of Prequalification submittal

Dear Sir,

With reference to the above mentioned subject, please find herewith the attached approval of your prequalification.

SI	Submittal Ref. #	Title/Description	Rev.	Status	Date Reply
1	054-PZ-ARC-PQN-0032	Supply & Application of Car Parking Epoxy Coating Works	1	B	5-Jul-17

This is for your information, record and action.

Yours faithfully,

POLENSKY & ZOELLNER ABU DHABI W.L.L.

JOSEF NEUBAUER
PROJECT MANAGER

Encl: a.m.a

Cc: M. Selinger

IYAD ALGHERBAWI
CONSTRUCTION MANAGER

ص.ب: ٤٦٢٢٣ - أبوظبي - الإمارات العربية المتحدة - تلفون: ٠٢-٥٥٨٢٩٠٩ - فاكس: ٠٢-٥٥٨٢٥٠٤
P.O. Box : 46223, Abu Dhabi, U.A.E. Te.: 02-5582909 Telefax : 02-5582504 E-mail: info@polensky.ae



Al Taweelah Alumina REQUEST FOR SUBCONTRACTOR ACCEPTANCE



Section 1

CONTRACT DETAILS:	
CONTRACT TITLE: ALUMINA HANDLING AND SILO	CONTRACT NO: 25875-HC1-JX000-00013
CONTRACTOR: REEL ALESA Ltd	
SUBCONTRACTOR(S): Venus Star General Contracting L.L.C	

Section 2

CONTACT DETAILS:	
PROJECT MANAGER: SIMON DEISS	PHONE NO: +41 44 435 3345
EMPLOYEE RELATIONS/ HR COORDINATOR: ALEXANDRA JAMES	PHONE NO: +41 44 435 3344

Section 3

PROPOSED WORK TO BE CONTRACTED:																					
SCOPE: LEAKAGE REPAIR WORKS	From: Apr '17 To: May '17																				
NATURE OF THE WORK: ☒ Permanent (Fulltime) ☐ Periodic / Multiple Occasions CUMULATIVE TIME ON-SITE: ☒ > 10 Working Days ☐ < 10 Working Days																					
CREW MAKE UP (Include the number of persons for each classification) <table style="width: 100%;"> <tr> <td>Classification:</td> <td>No.</td> <td>No.</td> <td>No.</td> </tr> <tr> <td>☐ Mechanical Trades -</td> <td></td> <td>☐ Electrical Trades -</td> <td>☐ Plumbing Trades</td> </tr> <tr> <td>☐ Other (Boilermaker/welder) -</td> <td></td> <td>☐ Crane Operator -</td> <td>☐ Serviceman</td> </tr> <tr> <td>☐ Plant Operator -</td> <td></td> <td>☐ Rigger/Scaffolders -</td> <td>☐ Labourer / TA</td> </tr> <tr> <td>☒ Concrete/Steel Fixer</td> <td>02</td> <td>☐ Driver -</td> <td>(Insert those not listed)</td> </tr> </table>		Classification:	No.	No.	No.	☐ Mechanical Trades -		☐ Electrical Trades -	☐ Plumbing Trades	☐ Other (Boilermaker/welder) -		☐ Crane Operator -	☐ Serviceman	☐ Plant Operator -		☐ Rigger/Scaffolders -	☐ Labourer / TA	☒ Concrete/Steel Fixer	02	☐ Driver -	(Insert those not listed)
Classification:	No.	No.	No.																		
☐ Mechanical Trades -		☐ Electrical Trades -	☐ Plumbing Trades																		
☐ Other (Boilermaker/welder) -		☐ Crane Operator -	☐ Serviceman																		
☐ Plant Operator -		☐ Rigger/Scaffolders -	☐ Labourer / TA																		
☒ Concrete/Steel Fixer	02	☐ Driver -	(Insert those not listed)																		

Section 4

ATTACHMENTS: (All are mandatory except where noted) ☒ Completion of Section 7: Environmental, Safety & Health (mandatory if working on site, including deliveries) ☒ Completion of Section 8: Workforce Services (mandatory if working on site, including deliveries) ☒ Completion of Section 9: Previous Experience (mandatory if working on site including deliveries) ☐ If subcontractor requires a license/permit from regulators to conduct work (provide a copy of the license E.G Environmental service providers)	Tick each box: (applicable to confirm attachments and ☒ Trade or Commercial license is attached that identifies the activities subcontractor is legally able to perform onsite. ☒ Contractor confirms that it has undertaken its due diligence to ensure that Subcontractor has all applicable insurance policies in place per the requirements of the Contract. ☒ Contractor further acknowledges that any inadequacies in required coverage shall be at Contractors risk
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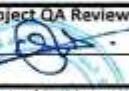
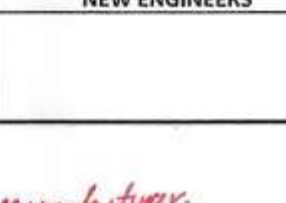
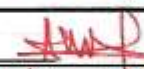
Electronic documents, once printed, are uncontrolled and may become outdated.
Refer to the electronic documents in the project electronic database for current revisions.

D-22497

 AL-BAHA الباحة للإستشارات الهندسية ENGINEERING CONSULTANTS MEMBER OF MOHAMMED TAYYEB KHOORY GROUP			
Sheikh Zayed Road, P.O.Box 12624, Dubai, UAE Tel +97143146182, Fax: +97143478044, email: albahagc@emirates.net.ae			
Project Document Transmittal Sheet			
Project: B+G+3+R (3 Star) Hotel, P 3582888			
Subject: Pre-qualification of Venus Star (Carbon Fiber)			
Ref. No. PDT-234		Date: 26-Apr-2018	
Please find attached the following:			
☒ Document ☐ Letter ☐ Sample ☐ Others (Specify):			
These are Transmitted for:			
☐ Record ☒ Review/Comment ☐ Action ☐ Others (Specify):			
S.No.	Document Title	Rev. No.	No. of Copies
1.	Pre-qualification of Venus Star (Carbon Fiber)	0	3
		Remarks	
		Soft Copy attached	
APPROVED SUBJECT TO COMMENTS			
Notes			
Consultant's Comments ☐ Approved ☒ Approved as Noted ☐ Resubmit ☐ Rejected			
Approved with comments. 1). No objection for the carbon fibre subcontractor "Venus star" subjected to his satisfactory performance at site. 2). To submit all Technical details and material submittal for each case separately for the column in the GF. and water tank columns. 3). Submit the shop drawings showing the location of elements for carbon fibre. 4). Submit Technical calculations for the column treatment. 5). To submit method of statement. 6). Contractor to check if DM approval is required for the supplier.			
CONSULTANT		CONTRACTOR	
Received By:	Signature & Date	Submitted By: MEP	Signature & Date
Arch./Civil/MEP	Signature & Date	Reviewed By: PM	Signature & Date
Site Engineer:	Signature & Date	Received By:	Signature & Date
PM/RE	Signature & Date		Signature & Date
Khasim Chandsab			

The Client	Engineering Consultants	The Main Contractor	Contractor
 جامعة خليفة Khalifa University	 للتنصميم elite Design Architecture & Engineering	 GENERAL CONTRACTING LLC	 NEW ENGINEERS CONTRACTING LLC المهندسون الجدد للمقاولات ذ.م.ج.
DOCUMENT APPROVAL SUBMITTAL			
PROJECT : P024.4 - Complete Fit-Out & MEP Works for KU Medical Building			
Submittal Ref No:	DS-KUE-NEC-CV-0014	Rev.	0
			17-Mar-19
To: EDEC			
Originator		Contractor / Supplier Name:	
New Engineers Contracting		Venu Star General Contracting LLC	
Document Ref	Rev	No. of Copies	Type of Document & Description
Prequalification -Flooring Coating	0	1	1 HC+1CD
Name _____ Shefer Signature _____		Date 17-Mar-19	
Name _____ Hussam Sami Signature _____		Date 17-Mar-19	
I hereby certify this submittal data has been reviewed and approved prior to submission to EDEC and Engineer and the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.			
ZGC Project Manager Name _____ Date _____ Signature: _____			
For use by EDEC Approval Status A-Approved ☒ B-No Objection w/ Comments ☐ C-Revise & Resubmit ☐ D-Objection/Rejected ☐			
Comments No objection subject to sending the updated BASF Approved Applicant Certificate			
Name: <u>Raghib Sweidjine</u>		Signature: _____	Date: <u>17/03/2019</u>
ZGC/DS/KUE 01K-May 2014		Issue 1, Revision 2 - (modified by ZGC 11.10.14) Page 1 of 1	

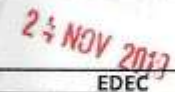
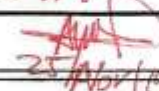
The Client	Engineering Consultants	The Main Contractor	Contractor
 جامعة خليفة Khalifa University	 للتنظيم Design Engineering & Construction	 GENERAL CONTRACTORS LLC	 NEW ENGINEERS CONTRACTING L.L.C. المهندسون الجدد للمقاولات ذ.م.م.

MATERIAL APPROVAL SUBMITTAL																			
PROJECT : P024.7 -Wave Tank Modification																			
Submittal Ref No:	MAS-KUE-NEC-WT-AR-0009	Rev.	1																
Date:	8/Jan/20																		
To: ZGC																			
Originator	New Engineers Contracting	Sub Contractor	M/s Venus Star																
Material / Product Description - Specified		Specification Section																	
Masterseal M689(Polyurea membrane)& repairing material masterbrace ADH 2200		Paragraph No:																	
Location and Area of Use: Polyurea waterproofing for Wave Tank		Address:																	
Manufacturer/Brand: BASF		Tel:																	
Country of Origin: UAE		Fax:																	
Material / Product Description - Proposed		Attachments																	
Masterseal M689(Polyurea membrane)& repairing material masterbrace ADH 2200		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>(Tick Mark)</th> <th>Copy No</th> </tr> <tr> <td>1-Product Data</td> <td>X</td> </tr> <tr> <td>2-Technical Review/Comparison/Compliance</td> <td>X</td> </tr> <tr> <td>3-Test Certificates</td> <td>X</td> </tr> <tr> <td>4- Warranty</td> <td>x</td> </tr> <tr> <td>5-Drawings</td> <td>7</td> </tr> <tr> <td>6-Samples</td> <td></td> </tr> <tr> <td>7-Others</td> <td></td> </tr> </table>		(Tick Mark)	Copy No	1-Product Data	X	2-Technical Review/Comparison/Compliance	X	3-Test Certificates	X	4- Warranty	x	5-Drawings	7	6-Samples		7-Others	
(Tick Mark)	Copy No																		
1-Product Data	X																		
2-Technical Review/Comparison/Compliance	X																		
3-Test Certificates	X																		
4- Warranty	x																		
5-Drawings	7																		
6-Samples																			
7-Others																			
Location and Area of Use: Polyurea waterproofing for Wave Tank																			
Manufacturer/Brand: BASF																			
Country of Origin: UAE																			
I hereby certify this submittal data has been reviewed and approved prior to submission to ZGC and EDEC, the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.		Date & Received by:																	
Project QA Review Name: <u>Mohammed Rahmath Ali</u> Date: <u>08/01/2020</u> Signature: 		   NEW ENGINEERS																	
MEP / Engineering Manager Review Name: <u>Hussam Sami</u> Date: <u>08/01/2020</u> Signature: 																			
ZGC Project Manager Name: _____ Signature: _____ Date: _____																			
use by EDEC Approval Status ☐ No Objection ☒ B-No Objection W/ Comments ☐ C-Revise & Resubmit ☐ D-Objection/Rejected																			
Consultant Comments * No objection w/ comments, subject to: - Approved as per attached sketch (SK-1) proposed by Manufacturer. - Obtaining Manufacturer's clearance at each stage, starting from necessary surface repair/preparation till final stage. - water test Approval. - Strictly following Manufacturer's recommendations at all stages.																			
Name: _____		Signature:  Date: _____																	
ZGC//MLS/KUE/01A		Issue 1, Revision 2 - (modified by ZGC 27.11.14)																	
DK-May 2014		Page 1 of 1																	



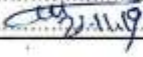
The Client جامعة خليفة Khalifa University	Engineering Consultants للصميم elie Design	The Main Contractor GENIEP	Contractor NEW ENGINEERS CONTRACTING L.L.C. المهندسون الجدد للمقاولات ذ.م.م.
MATERIAL APPROVAL SUBMITTAL			
PROJECT : P024.7 -Wave Tank Modification			
Submittal Ref No:	MAS-KUE-NEC-WT-AR-0001	Rev.	0
		Date:	19-Nov-19
To: ZGC			
Originator		Sub Contractor	
New Engineers Contracting		M/s Venus Star	
Material / Product Description - Specified		Specification Section	
BASF (master emaco466, master seal 910,911)			
Location and Area of Use: Closing of existing opening at wave tank wall		Paragraph No:	
Manufacturer/Brand: BASF		Address:	
Country of Origin: UAE		Tel:	
		Fax:	
Material / Product Description - Proposed		Attachments	
BASF (master emaco466, master seal 910,911)		1-Product Data X	
Location and Area of Use: Closing of existing opening at wave tank wall		2-Technical Review/Comparison/ Compliance X	
Manufacturer/Brand: BASF		3-Test Certificates X	
Country of Origin: UAE		4- Warranty	
		5-Drawings	
		6-Samples X	
		7- Others	
I hereby certify this submittal data has been reviewed and approved prior to submission to ZGC and EDEC, the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.		Date & Received by:	
		ZGC	
Project QA Review			
Name: Mohammed Rahmath Ali	Date: 2019-11-19	 	
Signature:			
MEP / Engineering Manager Review			
Name: Hussam Sami	Date: 2019-11-19		
Signature:			
ZGC Project Manager			
Name:			
Signature:			
Date:			
For use by EDEC			
Approval Status ☐ No Objection ☒ A-No Objection W/ Comments ☐ C-Revise & Resubmit ☐ D-Objection/Rejected			
Consultant Comments			
* NO objection, subject to: * usage area(s) shall comply w/ Approved overall method statement & detailed shop dngs. * Trial mix shall be carried out on Master-EMACO 466 * strictly following manufacturer's instructions at all stages			
Name:		Signature:	
Date:			
ZGC/MLS/KUE/01A		Issue 1, Revision 2 - (modified by ZGC 27.11.14)	
DK-May 2014		Page 1 of 1	
		Material Approval Submittal	

25/11/2019

The Client	Engineering Consultants	The Main Contractor	Contractor
 جامعة خليفة Khalifa University	 للتنصميم Elite Design Engineering	 GENIE ENGINEERING	 NEW ENGINEERS CONTRACTING L.L.C. المهندسون الجدد للمقاولات ذ.م.م.
MATERIAL APPROVAL SUBMITTAL			
PROJECT : P024.7 -Wave Tank Modification			
Submittal Ref No:	MAS-KUE-NEC-WT-AR-0003	Rev.	0
		Date:	24-Nov-19
To: ZGC			
Originator	New Engineers Contracting	Sub Contractor	M/s Venus Star
Material / Product Description - Specified		Specification Section	
BASF(master Brace AHD1414) Location and Area of Use: Wave Tank Manufacturer/Brand: BASF Country of Origin: UAE		Paragraph No: Address: Tel: Fax:	
Material / Product Description - Proposed		Attachments	(Tick Mark)
BASF(master Brace AHD1414) Location and Area of Use: Wave Tank Manufacturer/Brand: BASF Country of Origin: UAE		1-Product Data 2-Technical Review/Comparison/Compliance 3-Test Certificates 4- Warranty 5-Drawings 6-Samples 7-Others	X X X X
I hereby certify this submittal data has been reviewed and approved prior to submission to ZGC and EDEC, the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.		Date & Received by:	
Project QA Review		ZGC	
Name: Mohammed Rahmath Ali Signature:  Date: 2019-11-24		 EDEC	
MEP / Engineering Manager Review			
Name: Hussam Sami Signature:  Date: 2019-11-24		 ZGC	
ZGC Project Manager			
Name: Signature: Date:		NEW ENGINEERS	
For use by EDEC			
Approval Status ☐ No Objection ☒ No Objection w/ Comments ☐ Revise & Resubmit ☐ Disposition/Rejected			
Consultant Comments * No Objection w/ comments. - No objection of usage of (Master Brace AHD 1414) for bonding between old & new concrete as per Approved Method statement. - Initial sample shall be tested by certified lab. - Strictly following Manufacturer's instructions at all stages.			
Name:		Signature:	
			
Date:		25 Nov 19	
ZGC//MLS/KUE/01A		Issue 1, Revision 2 - (modified by ZGC 27.11.14)	
DK-May 2014		Page 1 of 1	
		Material Approval Submittal	


 26.11.19

The Client	Engineering Consultants	The Main Contractor	Contractor
 جامعة خليفة Khalifa University	 للصميم elite Design engineering & design	 Z GENERAL CONTRACTING LLC	 NEW ENGINEERS CONTRACTING LLC. المهندسون الجدد للمقاولات ذ.م.م.
MATERIAL APPROVAL SUBMITTAL			
PROJECT : P024.7 -Wave Tank Modification			
Submittal Ref No:	MAS-KUE-NEC-WT-AR-0002	Rev. 0	Date: 19-Nov-19
To: ZGC			
Originator	New Engineers Contracting	Sub Contractor	M/s Venus Star
Material / Product Description - Specified		Specification Section	
BASF(master flow932AN)		Paragraph No:	
Location and Area of Use: planted dowels Wave Tank		Address:	
Manufacturer/Brand: BASF		Tel:	
Country of Origin: UAE		Fax:	
Material / Product Description - Proposed		Attachments (Tick Mark)	
BASF(master flow932AN)		1-Product Data X	
Location and Area of Use:planted dowels Wave Tank		2-Technical Review/Comparison/ Compliance X	
Manufacturer/Brand: BASF		3-Test Certificates X	
Country of Origin: UAE		4- Warranty	
		5-Drawings	
		6-Samples	
		7- Others X	
I hereby certify this submittal data has been reviewed and approved prior to submission to ZGC and EDEC, the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.			
Project QA Review		4 NOV 2019	
Name: Mohammed Rahmath Ali	Date: 2019-11-19	ZGC	
MEP / Engineering Manager Review		EDEC	
Name: Hussam Sami	Date: 2019-11-19	EDEC	
ZGC Project Manager		ZGC	
Name:		ZGC	
Signature:		ZGC	
Date:		ZGC	
For use by EDEC		NEW ENGINEERS	
Approval Status ☐ No Objection ☒ B-No Objection W/ Comments ☐ C-Revise & Resubmit ☐ D-Objection/Rejected		25 NOV 2019	
Consultant Comments * No objection, subject to: - All Post-Fix locations, dia, embed length, etc must be pre-approved prior to commencing works - Random Pull-out test shall be carried out as specified 24/Nov/19			
Name: _____ Signature: _____ Date: 24/Nov/19			
ZGC/MLS/KUE/01A Issue 1, Revision 2 - (modified by ZGC 27.11.14) DK-May 2014 Page 1 of 1 Material Approval Submittal			

The Client	Engineering Consultants	The Main Contractor	Contractor
 جامعة خليفة Khalifa University	 للتنميط Zelle Design ARCHITECTURE & ENGINEERING CONSULTANTS	 GENCO CONSTRUCTION LLC	 NEW ENGINEERS CONTRACTING L.L.C. المهندسون الجدد للمقاولات ذ.م.م.
Project : P024.7 - Wave Tank modification			
REQUEST FOR APPROVAL (RFA)			RFA Ref. : RFA-KUE-NEC-WT-0001 Revision : 0
Arch. ☒ Civil/Struct. ☐ Elect. ☐ Mech. ☐ Plumb. ☐ Others			
RFA Originator : New Engineers		Date : 25-Nov-19	
Signature : 		Req'd by : 26-Nov-19	
Request your approval to the following:			
We are here-by submitting the alternate material BASF master 936 AN with the same compability of Hilti Re 500v3 as per mention in the structural drawing			
Attachment : material submittal & compliance sheet			
Specification ref. :		Drawing ref. :	
Signed by the Main Contractor : 		Date : 25/11/19	
Received by EDEC :		Date :	
Response		ZGC	
<i>Approved Subject to when apply answer be as per manufacture re commended.</i> <i>25/11/2019</i> <i>Ant</i>			
		EDEC	
			
			
Attachments :			
For and behalf of : (The Engineer) Sign :  Name : 			
Authorize by (The Employee) Sign : _____ Name : _____			
ZGC/RFA/KUE/01A DK-May 2014		Issue 1, Revision 1 Page 1 of 1	

8. List Of Equipments:

1. Portable Concrete Mixer
 2. Chipping Hammer
 3. HT 50 Floor Grinder
 4. Angle Grinder
 5. Groove Cutting Machine
 6. Air Blower
 7. Vaccum machine
 8. Vaccum Grinder
 9. Drill Machine
 10. Epoxy and PU Injection Machine
 11. Cementitious Grouting Machine
 12. Graco Machine For Polyurea
 13. Airless Spray Machine for Protective Coating
- 

9. Quality Assurance & Quality Control Program:

Quality Policy:

Venus Star is committed to seeking continuous improvement in all areas which will achieve the highest quality standards.

Quality means understanding our client's requirements and making every effort to achieve surpass them, while at the same time complying with our standards and policies.

Our goal is to satisfy our client and to comply not only with the contractual requirements but also to provide excellence in engineering practice.

The primary objectives are:

- To enhance and build on our excellent record in the industrial construction & building industry.
- To produce the product, which the client desires in the most economical and Professional way.
- To complete all projects on timely basis and within set budget.
- To reduce the incidence of non-conformances.
- To exploit our accumulated knowledge and experience.

The Quality Assurance and Quality Control plan is ready for submittal at any time requested, and the same will be tailored to each client standards and specific requirement.

10. Health Safety & Environment Procedures:

In keeping with our general safety policy we have issued a separate health, safety and environmental policy. The company requires all of its employees to conduct all task and activities in complete conformance with the international & local health and safety standards and regulations resulting in protecting themselves and of all other who may be affected by their actions. In addition, we insure to educate our employees and make them aware of all the safety and environmental issues and standards so as to conduct themselves in such a way as to adopt prevention measures where applicable, while enhance the quality of our environment.

Each new employee has to attend an induction course to familiarize them with the principles of our policy and to ingrain them with the required and updated safety standard codes and

procedures. Daily toolbox meetings are held on the project site and at all of our central facility and lay down yards to ensure that HSE is a common element of working practices. The topic discussed relates to the specific of that daily activity, tasks on hand and to introduce any new topics which can reinforce awareness and enhance the safety.

By strictly implementing our plan policy and manuals we aim to continuously enhance our established reputation as a responsible contractor in the fields of health and safety of our employee, our clients and practice green procedure to participate in the protection of the environment. The steps of procedure have been summarized below:

(a) Pre-Start Meetings:

The pre-start meeting is an important meeting that takes place after the contractor has been appointed but before work commences on site. It is an opportunity for the project team to meet (perhaps for the first time) and to plan the execution stage.

The pre-contract meeting is chaired by the contract administrator and is an opportunity to:

- Make introductions and issue contact details (perhaps a project directory).
- Clarify roles, responsibilities and lines of communication.
- Agree meeting schedules, meeting structures and attendees.
- Hand over outstanding documents (such as insurance certificates and bonds) and issue outstanding information (which may including any variations made since the contract was awarded).
- Issue nomination instructions.
- Discuss the contractor's master programme, including incorporation of works outside of the main contract, inspections, commissioning and testing.
- Discuss the role of the project team members (including site inspectors).
- Agree procedures for monitoring, issuing, receiving and reviewing information (including the information release schedule if there is one, and its relationship with the contractor's master programme). This may include a distribution matrix.
- Agree site access procedures and issues.
- Agree site induction procedures and other health and safety issues.
- Agree procedures for dealing with queries.

- Agree procedures for issuing instructions.
- Hand over contractor's procurement schedule.
- Mobilizations schedule and status.

(b) Toolbox talks:

Once the project is underway, toolbox talks should be conducted on a daily or weekly basis to reinforce focus on safety. Toolbox talks, sometimes referred to as tailgate meeting or safety briefings, are short, informal safety meetings that must be held at the start of each day or shift.

Toolbox talks are a great way to reinforce safety basics, focus on high-risk scenarios and to inform workers about changes to the jobsite and working conditions that may have occurred since their last shift. Be sure to discuss and cover any accidents or injuries that have occurred and how they could have been prevented.

Toolbox talks can be broken out into smaller groups to focus on individual trades or work activities for certain individuals.

Inclement weather like heavy wind, snow, ice and rain can create unsafe conditions. Use toolbox talks to remind workers to be extra cautious when additional hazards from the weather are present or expected.

Use site inspections as teaching moments when unsafe work actions or conditions are observed. If you notice workers walking around without hard hats on one day, focus your next toolbox talk on the proper selection and use of PPE.

Be sure to focus on the positive, too. Highlight safe working practices observed to provide positive reinforcement and applaud workers who are adhering to safety rules and regulations.

Toolbox talks are a great time to have employees inspect the equipment, tools and PPE they will be working with that day to ensure they are in proper working condition.

Use of hazardous chemicals and Chemical storage:

It is the responsibility of safety teams on construction sites to ensure to include provisions and procedures for handling and storing hazardous chemicals and materials. Specific best practices include:

Provide Correct Training:

Construction workers must be aware of the hazardous materials they will be likely to handle and be exposed to on site and of the specific measures and precautions they must take when exposed to these materials to protect their health and safety. Specific training must be provided regarding the materials they will encounter and the best practice handling, use and storage of such materials.

Ensure Proper Chemical Storage:

Any hazardous materials including caustic soda, lead paints, solvents, glues, adhesives etc. must be stored in secure, bunded chemical storage cabinets. The use of a lockable chemical storage cabinet minimises the risk of unauthorized personnel handling hazardous materials and also reduces the risk of fires, explosion, leaks, spills as well as contamination of soil.

Provide Additional PPE:

In addition to the standard overalls, hard hats and rigger boots that construction workers are required to wear on site, any workers who are required to handle or encounter hazardous materials must be provided with specific protection personal equipment to reduce the risks of injury or illness from their encounter with these materials. Such additional PPE may include goggles, gloves. Aprons, shoe covers and face shields or masks.

Limit the Use & Storage of Hazardous Materials:

- In planning the processes and materials to be used and deployed on site, procurement and project managers should work with safety teams to actively minimize the use and emittance of hazardous materials.
- Minimize the level of welding and soldering conducted in confined spaces.
- Choose paints, solvents and other building materials which are less hazardous to the environment and personnel, not just based on their cost and durability.
- Estimate the required level of hazardous chemicals or liquids required and store only this level on site.
- Minimize the use of processes which emit harmful gases and vapours and consider alternative approaches to these processes.

- To manage the risks to health and safety associated with using, handling, generating and storing hazardous chemicals at a workplace. These include:
- Ensuring correct labelling of containers and pipework, using warning placards and displaying safety signs.
- Identifying any risk of physical or chemical reaction of hazardous chemicals and ensuring their stability.
- Ensuring workplace exposure standards for hazardous chemicals are not exceeded.
- Providing health monitoring to workers (if relevant).
- Providing information, training, instruction and supervision to workers.
- Providing a spill containment system for hazardous chemicals if necessary.
- Obtaining the current SDS from the manufacturer, importer or supplier of the chemical.
- Controlling ignition sources and accumulation of flammable and combustible substances.
- Providing fire protection equipment, firefighting equipment and emergency and safety equipment.
- Providing a copy of your emergency plan to the primary local emergency services organization if the quantity of a class of hazardous chemical at your workplace exceeds its manifest quantity.
- Ensuring the stability and support of containers for bulk hazardous chemicals, including pipework and attachments.
- Ensuring hazardous chemical storage and handling systems are decommissioned correctly.
- Notifying the regulator as soon as practicable of abandoned tanks in certain circumstances.

Proper Use of PPE:

PPE helps to protect employees/workers from construction site hazards.

Construction jobsites can be dangerous places to work. There often are many activities going on at the same time, with various trades working side by side. Work can be done below-grade in excavations, above-grade on scaffolding and on the ground with forklifts and other heavy equipment, so use of PPE is highly important in order to ensure safety to one's own health, hence eliminating physical injuries that may occur inadvertently.

Workers are properly trained and instructed on how to use their PPE. Ensure they are aware of the PPE's importance, why it is needed and when they should use it.

Types of PPE:

1. Head Protection:

Head protection is required on almost all construction sites. It is important for construction work to be organised to minimize all risks to workers, however, it is likely that hazards will still remain and everyone will be required to wear safety helmets at all times while on site.

2. Ear protection:

Ear protection is needed to protect workers from noise hazards. Even if workers are only subjected for a short duration, very high-level sounds can still pose a hazard to the ears. Therefore, it is necessary for all workers to be provided with the correct type of hearing protection for the type of work they are undertaking.

3. Foot and Leg Protection:

Construction workers are always be expected to wear protective footwear while on site. Therefore, it is highly important to take precautions that minimise the risk of a foot injury.

The ideal foot PPE encompasses steel toecaps, to protect from dropped objects, and steel midsole protection, to protect against puncture or penetration wounds from stepping on sharp objects.

4. Eye and Face Protection:

It is important to wear eye and face protection when at risk of hazards involving chemical or metal splashes, dust, projectiles, gas, vapours and radiation.

The types of eye protection available are:

- Safety spectacles.
- Goggles.
- Face screens.
- Face shields.

When selecting eye and face protection, it is important to ensure that it is task-suitable and that the correct fit is selected for each worker. If not, workers will still be vulnerable to risks.

[c] Whole body protection:

When working on a construction site, there might be occasions when workers are required to work with contaminated dust (such as asbestos) or may be at risk from chemical or metal splashes, spray from pressure leaks or spray guns, entanglement of their own clothing, impact or penetration. In these situations, the use of conventional or disposable overalls, boiler suits, aprons or chemical suits made from various materials, might be required to protect from workplace hazards.

Signs & Barricade:

There are numerous specific rules for signs, barricades and warning device usage. It is important we use all the types of warning devices so as to protect ourselves and the public around our construction site(s).

Importance of signs & Barricade:

- Give the public plenty of warning by use of signs
- Make sure warning devices can be seen and are effective
- Use flagmen on narrow passages, one-way passages, or when construction vehicles will interact with the public traffic flow
- Maintain all barricades and signs
- Be sure you clearly mark the beginning and end of the construction area.

Waste Management:

All waste produced can also present a real safety hazard to workers on site if it is not properly managed throughout the project.

Waste management on smaller projects shall be determined as:

- **Flammable materials** - make sure that all flammable waste materials (such as packaging and timber offcuts) are cleared away regularly to reduce fire risks;
- **Work areas** - make clearing waste a priority for all trades. Check that everyone is aware of what is required that it is being done.
- **Skips** - waste materials need storing safely before their removal from the site so make sure that you allow sufficient space for waste skips and bins etc.

- **Waste within buildings** - consider waste generated inside the building and whether you need to provide wheeled bins to enable it to be brought out of the building safely.

Work Supervision:

As a Construction Site Supervisor, you need to provide a supporting role to workers below you. A good Supervisor will be able to provide guidance to other workers on how to be more competent in their role.

Typical supervisory functions include planning and allocating work, making decisions, monitoring performance and compliance, providing leadership and building teamwork, and ensuring workforce involvement.

Supervision is therefore heavily involved in the running of a typical construction project and in particular in ensuring that health and safety is effectively managed.

Working at heights:

Working at heights in construction works is associated with hazards and accidents. Thus, safety procedures are of utmost importance while working at heights.

Preparing a checklist for risk associated with each work and then following it on construction site is essential first step towards working at height. Training of workmen for safety risks and hazards is the next step. Regular supervision by a competent supervisor is necessary for working at heights.

Incident/Accident Reporting Protocol:

A systematic approach to incident reporting can help to identify trends in incident types and identify and maximize improvement opportunities across the whole system.

Also, periodic reviews of control measures and risk assessments should be conducted to ensure the control measures implemented are appropriate and effective and the risk assessments are still valid. This can be achieved through safety audits, regular workplace inspections, consultation with employees and review of incident investigations. Risk management should be built into all workplace activities that can give rise to safety issues.

- **Means of Communication:**

Good communication is an essential component of success on construction projects, and it plays a decisive role in saving both time and money during the building process.

1. **Devices and Technology.** It is important to use up-to-date digital solutions which allow you to communicate with the other members of the team regardless of the type of device you are using.
2. **Reinforce.** Convey messages in different ways to ensure better understanding.
3. **Chain of command.** Establish clear lines of communication and chain of command for messages and information.
4. **Clear and concise.** Correct written communication, avoid slang, keep it direct, simple and legible.
5. **Quality and upgrades.** Use document software that tracks revisions in all stages of the project and with all stakeholders.
6. **Continuous training.** Organize continuous training on new equipment, software, apps, safety features and regulations and best project management practices both on- and off-site.
7. **Encourage feedback.** Whether we're talking about architects, contractors, or construction workers, all stakeholder's feedback matters. Make sure the feedback is understood both ways and follow-up on it.
8. **Connections.** Ensure the proper connections and functioning networks are available even in very remote sites.
9. **Qualified crew.** Selecting qualified contractors and workers makes communication easier and effective for the whole team.
10. **Bilingualism.** Identify if second or third languages are necessary and how it will be used specifically in safety and logistics.

- **Job Rotation on site:**

Job rotation is the structured interchange of workers between different jobs, requiring workers to rotate between different workstations or jobs at certain time intervals.

Job rotation increases the variety of tasks required as the worker takes on more duties, enlarging the physical demands and adding variety to the job.

Benefits of Job Rotation:

- Reduced exposure to focused physical demands of one job.
- Reduced physiological stress, strain, and fatigue to muscle group used for one job.
- Reduces employee exposure to high-risk job demands.
- Increased innovation and improved work process efficiency.
- Improves employee skill base and increases job assignment flexibility over time.
- Reduced boredom and complacency.
- Increased productivity & quality.

- **Cleaning & Finishing:**

Construction sites generally create a lot of construction debris such as scrap wood, metal, excess building materials, nails, and screws. Additionally, tools can be left scattered around and dirt piles and general garbage can accumulate, all of which are potential trip and fall hazards.

By implementing a policy of the ongoing organization and site cleanliness, one will minimize these potential safety hazards.

Site cleanliness can decrease the number of wasted materials and workers will be more productive not having to navigate through scattered debris and materials.

11. **List of Completed Projects:**

Client	Scope
Al Ain Rotana Hotel	Flooring works in Main kitchen @ Al Ain Rotana Hotel
New Engineers Contracting LLC	Joint Sealant Application
Burjeel Hospital	Floor Coating works @ Burjeel Hospital Abu Dhabi
Burjeel Hospital	Flooring & Joint Sealant works in AC,AHU Rooms@ Burjeel Hospital Abu Dhabi
Al Ain Rotana Hotel	Coating works in Main Kitchen , Minzaman Kitchen & Trades vics kitchen @ Al Ain Rotana Hotel
Overseas AST	Dry Crack injection works in 1393-Dubai Festival City
Burjeel Hospital	Repair works in main kitchen damaged area & Refreshment coating in Trench area @ Burjeel Hospital
Seapal General Contracting LLC	Floor Coating works in Moh'D Bin Zayed City ME10 Plot C264 @ ADCB
Clarion school	Floor Coating & Joint Sealant works in Clarion school Al Quoz- Dubai
J & P / ATHENA	Cementitious Grouting and Epoxy resins injection works West Yas infrastructure Project Yas Island
Polensky & Zoellner WLL	Flooring and Joint selanat works at A-14 Sky City Ware House-Abu Dhabi @ Etihad Airways
Traders Hotel	Flooring works in Afya Kitchen @ Shangri-La Hotel
Hutaib Ship Maintenance LLC	Dry Crack injection works inside the oily waste water pit Dubai @ DEWA
Polensky & Zoellner WLL	Heavy Duty flooring works in Cargo Village @ Etihad Airways
Al Shahania Gen. Contracting	Steel Anchoring works in Baniyas 11/2 Villa
Saif Bin Darwish	Leakage injection works in Water tank basement Darwish Tower in Al Qatra – Abu Dhabi
Saif Bin Darwish	Leakage injection works in Basement water tank - Saria Darwish Building - Abu Dhabi
Al Ain Rotana Hotel	Flooring works in Trader Vics Kitchen area@ Al Ain Rotana Hotel
Al Ain Rotana Hotel	Flooring works at Swimming Pool Bar Floor@ Al Ain Rotana Hotel
Hadafoo Eng Cont. LLC	Concrete repair works in Jerman Al Ahbab Villa No1-Abu Dhabi
Laing O'Rourke	Leakage injection work EGA-LOR-Water leakage inside the pit- Abu Dhabi
ADOS Abu Dhabi	Polyurethane resin injection to the Pipe Sleeve inside the manhole at Al Qadra ADNOC Station-Abu Dhabi
Shangri-La Hotel Abi Dhabi	Heavy Duty Polyurethane based flooring system
Macro Contracting LLC	Application of Epoxy Coating for Sewage Tank

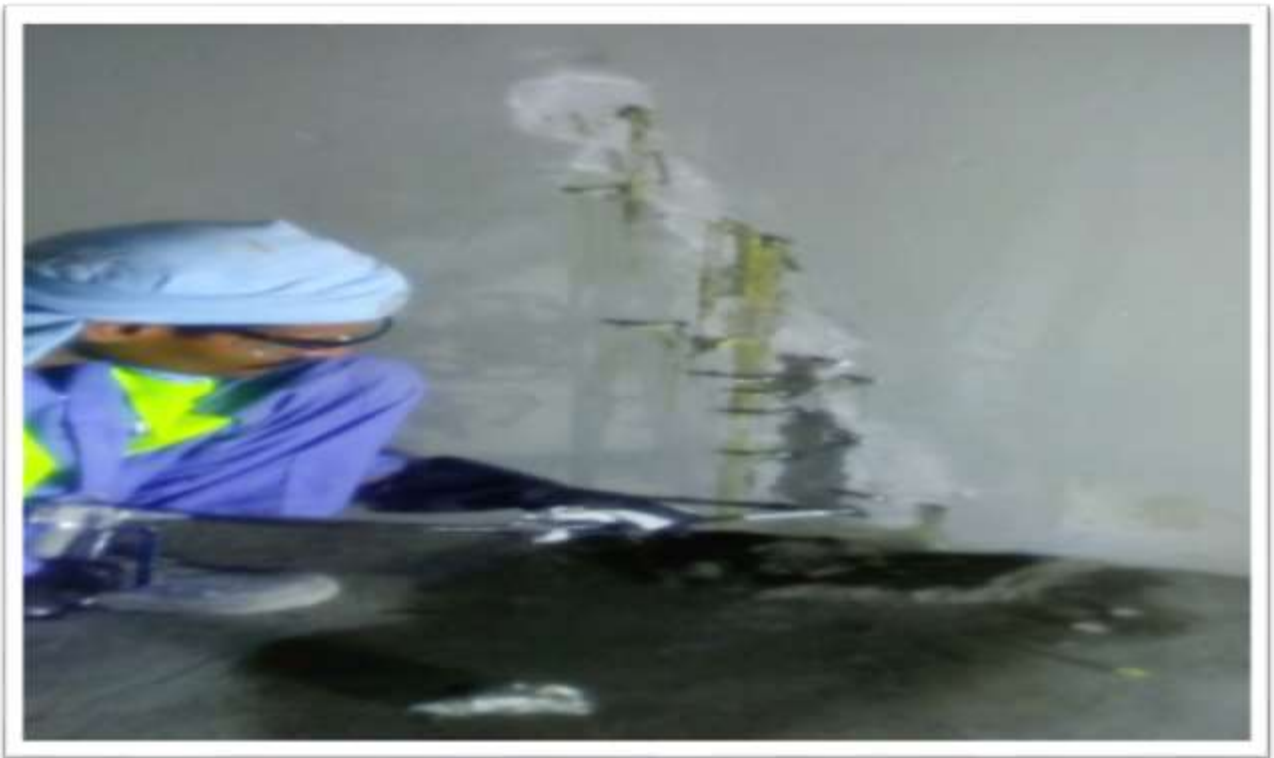
Polensky & Zoellner WLL	Epoxy & Polyurethane coating works at Residential Building on plot No RBW 07-09 , Al Raha Beach Area, Abu Dhabi
New Engineers Contracting	Epoxy ,Polyurethane & Joint Sealant Work Al Dafra air base Hanger AS1 & BS1
New Engineers Contracting	Epoxy ,Polyurethane & Joint Sealant works in Al Dhafra air base Hanger # 32 : S3
Al Nakheel Hygienic Paper Manufacturing L.L.C	Cementitious Grouting to the Vessel Foundation in,Al Nakheel paper Mill Factory In ICAD II-Abu Dhabi
Extent Properties & General Maintenance	Heavy Duty Polyurethane Coating works in Evening Kitchen Novotel -Abu Dhabi
Bash Hesnef Interiors Design LLC	Clear Epoxy coating works in solico lake tower area - Dubai
Al Shimisiani Gen. Contracting & Maintenance	Structural Strengthening Works on Existing Column at Plot C 130 ME-10 Musaffah Abu Dhabi
Nasser S.Al Hajri & Partner Contracting Company Abu Dhabi	Leakage Injection works in RR#3 Clarifier tank Ruwais – Abu Dhabi
Orion Building Contracting L.L.C	Epoxy Resin injection works in the Foundation AL Nakheel Paper Mill Factory in ICAD II.Abu Dhabi
Emirates Belbadi Contracting Co.Ltd	Epoxy Coating works in M- Tower Reem Island- Abu Dhabi
Saga International LLC	Swimming pool Leakage injection work Horizon Tower Dubai
Scholars International Academy Sharjah	Floor coating works in Scholars International Academy School Sharjah
County Contracting & Gen Maintenance	Polyurethane resin injection to the Tabreed Manhole at Khalidiya -Abu Dhabi
Ghantoot Tpt. & Gen. Cont. LLC	Epoxy Resin injection works at B5 Complex At Al Nakheel Palace (A097)-Abu Dhabi
Tripoli Contracting & Gen.Maintenance L.L.C	Flooring works in Premium Villa Complex for H.H Sheikha Aysha Balabid Al Dhaheri Al Naseriyya Zone Al Khabesi,Plot :17 Sector -Al Ain.
Bash Hesnef LLC Dubai	Self levelling works in solico lake tower area -Dubai
Shangri-La Hotel Abi Dhabi	Polyurethane resin injection to the Soffit of the slab at Souq Car Park -Abu Dhabi
Burjeel Hospital Abu Dhabi	Epoxy Self-levelling works to the Gas plant Room
Shangri-La Hotel Abi Dhabi	Flooring works in Bulk Kitchen area Abu Dhabi
Khidmah Abu Dhabi	Leakage Injection works in villa1-Abu Dhabi
Al Manhal development & construction	Flooring works at Al Minhad Air base -Dubai Al Ain road
Pillars Construction LLC	Structural Strengthening Existing Columns And Arc Beam For Commercial Building At Plot C-20, Abu Dhabi.
Burjeel Hospital	Flooring works in the Kitchen secound floor in Burjeel Hospital-Abu Dhabi
Khidmah Abu Dhabi	Liquid Applied Water proofing works in Al Zeina Villa 19 & 34 – Abu Dhabi

ADOS Abu Dhabi	Polyurethane resin injection to the Pipe Sleeve inside the manhole at FS#669-Al Isteqlal ADNOC Station-Abu Dhabi
Future Gulf Contracting LLC Dubai	AntiSlip Coating at Departure Kerbside T1-Dubai Airport-Dubai
Overseas AST Company LLC Dubai	Dry Crack Injection works In Dubai Harbour
Polensky & Zoellner WLL Abu Dhabi	Leakage Injection work Residential buliding on Plot No RBW07-09 Al Raha Beach area Abu Dhabi
Norm General Contracting Abu habi	Epoxy Self Leveling System at Graphic room in ADNEC-Abu Dhabi
DK Fit Outs LLC Dubai	Floor Coating works at warehouse near Cargo Village Dubai
Shangri-La Hotel Abu Dhabi	Joint Sealant Works
Al Zahra Hospital Sharjah	Ucrete Flooring System
Usama International Engineering Est.	Epoxy floor coating works in TIP Abu Dabi
Presidential Flight Abu Dhabi	Polyurethane Line Marking works
Overseas AST Company LLC	Dry Crack Injection works for Crescent wall at Palm Jumeriah- Dubai
Balance Tower General Contracting LLC	Leakage Injection work Basement Water Tank Paragon Bay Reem Island
DHCN Constraction LLC	Crack & Patch Repair work
KUMAT Decoration	Epoxy Flooring works at Zayed University Abu Dhabi
FB Design	Epoxy Flooring works at Hydraulic Shop Etihad Airways Engineering Abu Dhabi
AIM Interior Design LLC	Epoxy Flooring works at Aloft Hotel ADNEC Abu Dhabi
New Engineers Contracting LLC	Polyurethane Flooring in Anatomy labs at khalifa University-Abu dhabi
Ghantoot Transport & Gen. Cont. LLC	Ruwais Housing Complex Expansion-Phase IV Construction of infrastructure works-package 1 Project No 7010
Future Gulf Contracting LLC	Ground Transport Traffic Coating at Dubai Airport-T3
Presidential Flight Abu Dhabi	Polyurethane Line Marking works
KHIDMAH	Water Proofing works
EXTENT Properties & General Maintenance	Polyurethane Flooring in Staff Kitchen at ferrari world Yas Island Abu Dhabai
Usama International Engineering Est.	Epoxy floor coating works in TIP Abu Dabi
New Engineers Contracting-Abu Dhabi	Polyurea Coating Works in wave tank at Khalifa University-Abu Dhabi
New Engineers Contracting-Abu Dhabi	Steel anchoring works in wave tank at Khalifa University-Abu Dhabi
KHIDMAH	Polyurethane injection works WTC Mall – Abu Dhabi
ABU DHABI MALL	Expansion joint Repair works – Abu Dhabi Mall

ABU DHABI MALL	Protective Coating works in Basement Water Tank-Abu Dhabi Mall
Buid Space Maintenance LLC	Polyurethane Floor Coating works in Anantara hotel – Abu Dhabi
Sealine General Contracting LLC	HeavyDuty Polyurethane Flooring system-Burjeel Hospital Abu Dhabi
Burjeel day Surgery center	Epoxy floor coating works Burjeel Day surgery Reem Island Abu Dhabi



12. **Site Photographs:**



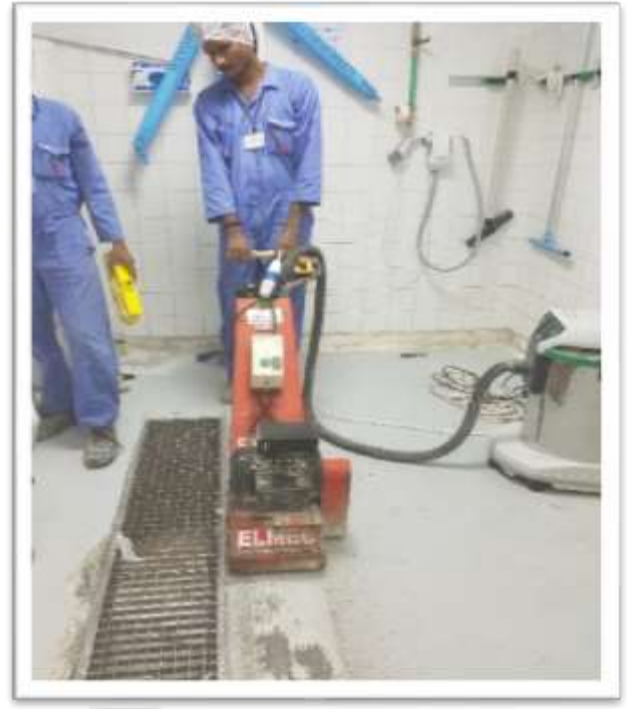
Polyurethane Leakage Injection



Epoxy Resin Injection



Floor Grinding



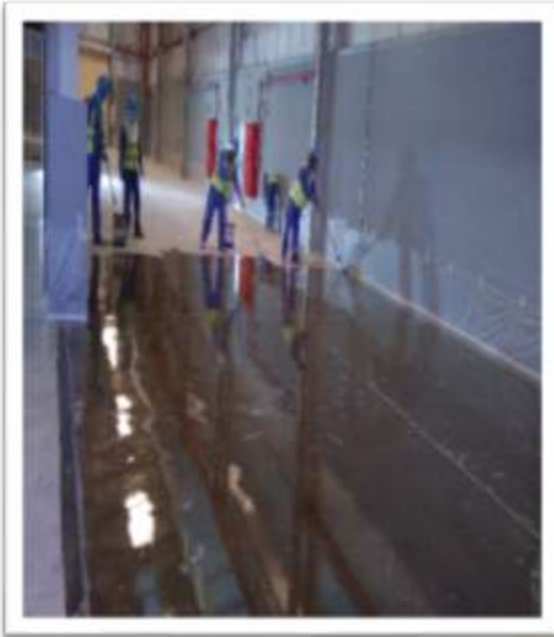
Scarrifying

**Car Park Floor Coating Residential Building on plot No RBW
07- 09 Al Raha Beach Area, Abu Dhabi**



Seamless, self-smoothing heavy Duty Polyurethane based flooring system

Etihad Airways Sky City Warehouse



Primer Application



Base Coat Application



Base coat levelling by Spike Roller



Top Coat Application



Ucrete System for Food Processing area



Groove Cutting



Joint Sealant Application

Traffic Deck Coating System T1 Dubai Airport



Column Enlargement Works



Surface roughening



After Roughening and Hole Drilling



Steel and Anchor fixing



Micro Concrete Mixing



Grouting Application



Curing



Carbon Fibre Wrapping System



Adhesive application



1st layer of Carbon Fibre Wrapping to the Column

Carbon fibre wrapping 1st layer, after completion



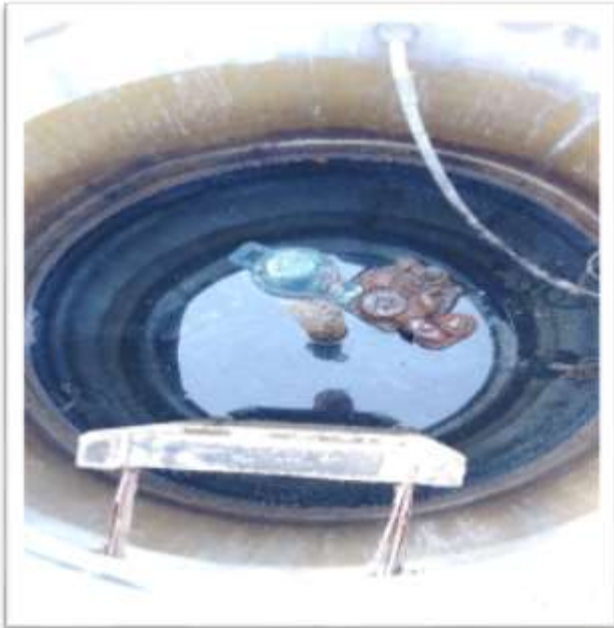
2nd layer Carbon fibre wrapping



After Completion of Carbon Fibre Application

FS#669-Al Isteqlal ADNOC Station-Abu Dhabi

Man Hole Leakage Injection



Before Injection



After Injection



Polyurethane Liquid Applied Waterproofing

(Al Dar Properties Al Zeina Abu Dhabi)

Ruwais Housing Complex Expansion-Phase IV Construction of infrastructure works-package
1 Project No 7010





Car Park coating works at Al Zahra Hospital



Expansion Joint Repair works in Abu Dhabi Mall