



DELIGHT

INTERNATIONAL

MAINTENANCE SIMPLIFIED

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MAINTENANCE SIMPLIFIED!

Delight International stands as a regional leader across the United Arab Emirates, Saudi Arabia, Oman, Qatar & India providing cutting-edge solutions in Industrial maintenance activities. Our commitment to excellence is reflected in our top-tier professionals, adherence to industry standards, and ISO 9001, ISO 14001, and ISO 45001 compliant QHSE management system. Specializing in onshore, offshore, marine, power, and oil sectors, we deliver cost-effective, high-performance solutions, such as:

- Plant Maintenance
- Specialized Services
- Flange Management
- Pipe Line Maintenance
- Marine Maintenance
- Tank Cleaning Services



Plant Maintenance

Plant maintenance in the oil and gas, petrochemical industry is crucial for safety, efficiency, and profitability. It involves a combination of strategies, from routine inspections and preventive maintenance to minimize downtime, to advanced techniques like condition-based monitoring to predict and address equipment issues before they cause major problems.

Hydro Jetting

Revolutionize equipment cleaning with Delight's hydro blasting technique, utilizing 1000 to 40,000 psi water pressure. This cutting-edge method ensures corrosion deposit removal with unparalleled precision. Specialized high-pressure pumps and automated systems guarantee efficient results. Safety is our priority, with "Deadman" switches and TST suits for operator protection. Choose Delight for precision, innovation, and a new era in equipment cleaning.

Static Equipment maintenance

In the oil & gas and petrochemical industry, safe and efficient operation relies heavily on meticulous static equipment maintenance. This involves routine inspections, cleaning, and non-destructive testing of pressure vessels, tanks, heat exchangers, piping, and other stationary components to prevent failures, ensure safety, optimize performance, and extend equipment lifespan, ultimately contributing to reliable and cost-effective oil and gas production.

Bundle Extraction

Bundle extraction is a critical step in maintaining shell and tube heat exchangers, which are widely used in oil and gas, petrochemical facilities. During maintenance, specialized equipment called a bundle puller is used to safely extract the tube bundle (a tightly packed group of tubes) from the exchanger's shell. This allows for cleaning, inspection, or repair of the tubes, which are prone to fouling and leaks over time. Extracting the bundle ensures optimal heat transfer efficiency and prevents exchanger failures that could disrupt oil and gas production. We have 22T, 35T, 45T & 65T Bundle Extractors in our fleet.

Mechanical Maintenance Services

In Oil and gas, petrochemical industry, mechanical services encompass the maintenance and repair of vital static equipment like pressure vessels, tanks, and piping. This includes inspections, cleaning, and repairs to ensure safe, efficient operation, maximize lifespan, and prevent costly failures that could disrupt production.

Specialized services

Beyond routine maintenance, oil and gas operations and maintenance rely on specialized services to optimize performance and ensure safety. This includes expertise in turnaround and shutdown management, specialized maintenance for targeted equipment, pipeline integrity assessments, emergency response for incidents, and other techniques for hard-to-reach areas.

Chemical Cleaning

Our chemical cleaning services utilize specialized solutions to remove scale, rust, and other deposits that hinder efficiency. This targeted approach minimizes downtime, extends equipment life, and maximizes production output, all while adhering to strict safety and environmental protocols.

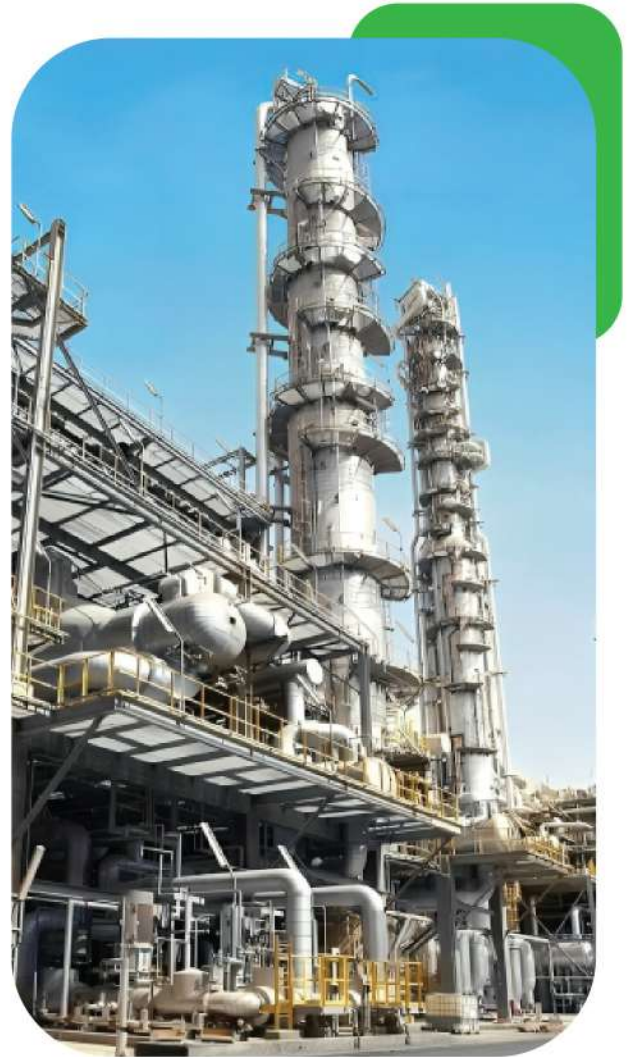
We offer customizable solutions to address your specific needs, ensuring safe and efficient cleaning that minimizes downtime and environmental impact

Decontamination

We assist in facility decontamination by safely removing hazardous materials and residues, ensuring environmental compliance. Removes a wide range of contaminants, including light hydrocarbons, heavy hydrocarbons, LELs (Lower Explosive Limits), benzene, pyrophoric & hydrogen sulfide. Compared to traditional cleaning methods, vapor phase decontamination offers a faster cleaning process, minimizing equipment downtime. The vaporized cleaning solution can penetrate small crevices and complex geometries, reaching areas inaccessible to mechanical cleaning methods especially the overhead lines of the columns and vessels. Compared to water-based cleaning methods, vapor phase decontamination uses significantly less water, making it a more environmentally friendly option. Reduces the need for confined space entry for manual cleaning, reducing risks for personnel.

Pre-Commissioning Activities

Prepare and execute pre-commissioning activities, including air blowing, hot water flushing, degreasing, alkali boil-out for boilers, solvent plant boil-out, pipeline and piping pigging, compressor and console lube oil flushing, and pickling and passivation of process lines and equipment.



Nitrogen Services

We are experienced in Nitrogen purging & degassing for effective pipeline purges, product displacements and process pipeline inerting. We also perform leak tests in process pipelines and equipment using inert gas nitrogen and helium mixture.

Pipeline Maintenance

Keeping oil, gas, and petrochemical pipelines healthy isn't easy. Blockages, build-up, and leaks can slow things down and cause big problems. That's where pipeline maintenance steps in. We use cleaning tools, special cutting techniques, and inspections to keep pipelines flowing smoothly and safely, from de-choking clogged lines to removing oil residue. It's all about keeping your product on the move and your operation running smoothly.



Lube Oil Flushing

Extend the lifespan and optimize performance of your critical oil and gas equipment with our lube oil flushing services. We utilize advanced cleaning techniques to remove harmful contaminants like sludge, varnish, and wear debris from lubrication systems. This proactive maintenance ensures optimal oil flow, minimizes friction, and reduces the risk of equipment failure, ultimately leading to increased uptime and efficiency in your operations.

Pressure Test

We conduct hydrostatic and pneumatic pressure tests for piping, pipelines, and equipment in oil and gas and petrochemical industries, adhering to industry standards like ASME B31, API 1149, etc.

Pigging

Pigging is a specialized pipeline cleaning technique used in the oil and gas industry to remove specific accumulations of liquids or solids within pipelines. It's particularly effective for tackling issues like liquid slugs, deposits and hydrates in the pipelines.

De-choking / De-oiling Services

De-choking tackles obstructions within pipelines. Debris, mineral build-up, or even collapsed sections can restrict flow and cause damage. De-choking specialists use various methods like pigging (pushing cleaning tools through the line), hydrojetting (using high-pressure water), or even direct access for stubborn clogs. This ensures the pipeline is clear and operating at peak efficiency.

De-oiling addresses another flow-limiting issue: oil residue buildup. Over time, this internal coating reduces the pipeline's diameter and promotes corrosion. De-oiling services utilize specialized cleaning chemicals, cleaning pigs, or even hot oil circulation to break down and remove these deposits.

By offering both de-choking and de-oiling, companies ensure optimal flow within pipelines, maximizing efficiency, minimizing downtime, and extending the lifespan of this vital infrastructure.

Marine Maintenance

Hydro Blasting & Coating

High pressure water blasting not only removes old coatings and rust, it also eliminates deeply embedded crystallized salt, resulting in a remarkable reduction of chloride levels on surfaces leading to higher adhesion of coating and longer coating life.

Our modern and heavy duty equipment in combination with our experienced personnel can handle any kind of paints and guarantee for the implementation of work in short time.

Shot Blasting

This process is a highly effective solution for removing contamination on metal substrates or changing the coarseness or smoothness of a surface before coating. The force in which the abrasive is propelled can be generated either centrifugally, using a wheel spinning at a high RPM, or pneumatically through the medium of compressed fluid or air. Technically, shot blasting refers specifically to a process that uses spherical particles. Not to be confused with grit blasting which uses angular or sub-angular grains.

Controlled Hydro demolition

We employ Conjet systems, which has been instrumental in the development of hydrodemolition technology. These system makes it possible to control both the robot and the pump remotely using the wireless radio control box. We provide a safe, cost-effective, and environmentally-friendly way to provide demolition services.

Flange Management

Flange management in piping is a systematic approach to ensuring the integrity and safety of bolted pipe connections. It encompasses the entire flange lifecycle, from proper assembly and inspection to maintenance and replacement, all aimed at preventing leaks, enhancing safety through early problem detection, and promoting efficient maintenance practices to minimize downtime and costs.

Torquing & Tensioning

Effective flange management involves selecting the appropriate method (torquing or tensioning) based on factors like the criticality of the application and the level of precision needed. Regardless of the chosen method, proper procedures and calibrated equipment are essential for achieving the desired and safe level of bolt load in the flange connection.



Industrial Cold Cutting

Employing a high-pressure jet of water mixed with abrasive particles, typically garnet, this versatile and precise cutting method handles various materials, including metals, concrete, and stone.

Flange Facing

Flange facing is the process through which the machining work resurfaces the flanges. It helps to create new mating surfaces that ensure a perfect seal when you assemble it. Flange facing is an important activity in power generation, chemical, food processing, pipelines, pharmaceutical production, refinery, petrochemicals, and gas and oil industries.



Pipe Cold Cutting

Cold cutting is a crucial service for precise pipe modification. Unlike hot cutting methods like torches, cold cutting uses specialized machinery to create clean, square cuts in pipes without heat. This is essential for safe operations in hazardous environments where sparks could ignite flammable materials. Cold cutting can be used for everything from installing new sections of pipeline to preparing existing pipes for welding or repairs. It's a precise and versatile technique that keeps pipelines in top shape.

Beveling

The pipe beveling process is a critical factor in having good-quality pipes that you can use for a long time. It is used to cut the angle on the edge parts of two items that will be fused to fit each other perfectly. In pipe welding, beveling occurs when the welder cuts off some parts at the edge parts of two pipes that will be welded for streamlining, creating a seamless and perfect joint.

Tank cleaning services

Efficient tank cleaning, whether for product change or maintenance, utilizing specialized jetting nozzles covering all inaccessible areas inside tanks without man entry. Experience the benefits of increased production, reduced downtime, and enhanced safety with our tailored cleaning programs.

Tank cleaning services ensure a thorough decontamination process. This involves draining the tanks, removing any sludge or sediment build-up, and employing high-powered cleaning methods like water blasting or chemical solutions (depending on the tank's purpose and contents) to remove dirt, grime, and potential contaminants. By keeping tanks clean, these services prevent corrosion, ensure product quality, and minimize the risk of contamination.

HP/UHP Equipment Rentals

Delight International is proud to have one of the largest fleets of HP and UHP equipment in the UAE. We also have bundle pullers and associated accessories such as rigid lancing machines, inside and outside bundle cleaners, and auto-lancing machines as part of our rental fleet. We provide highly qualified manpower along with this equipment for trouble-free operations.





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