



# Tipa

Tiba Petroleum Services

Free Zone



## Company Overview

Formed in 2012, Tiba for Petroleum Services (TIPA) is an established Free Zone oil and gas service company that focuses on providing specialist services and solutions to the Oil & Gas sector for both the onshore and offshore market.

TIPA specialises in a range of services primarily within the Inspection, and Repair and Maintenance sector, including:

- Tank and Vessels Cleaning
- Confined Space Entry and Gas Monitoring
- Rescue Emergency Response Team
- Water Jetting (Accredited by the Water Jetting Association)
- Pipe, Drain and Tube Bundle Cleaning
- Surface Blasting and Painting
- Rope Access Inspection
- Produced Water Treatment
- Scaffolding equipment and personnel

TIPA currently represents MS Industrial Services (MSIS), an international Oil service provider Headquartered in the United Kingdom. This representation allows TIPA to expand its service range and project workload, bringing onboard MSIS's equipment in tandem with TIPA's existing equipment fleet.

With an operations base in Alexandria, Amreya Free Zone and Headquarters in Cairo, our equipment and specialist teams can be mobilised to operate anywhere across Egypt. With a proven track record, we are committed to excellence and delivering added value service to our customers.

Current client's include:

- BP
- Haliiburton
- TWMA
- Saipem
- Maersk Drilling
- SCCT
- EDC
- EMC
- HITECH Drilling





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# HP and UHP Water Jetting



TIPA utilizes a fleet of ATEX and NORSOK compliant Water jetting units operating in both High Pressure (HP) and Ultra High Pressure (UHP), along with a variety of specialist accessories. This allows for a range of applications, including surface preparation, pipe & tube bundle cleaning and general blasting, with operating pressures up to 3000 bar (43,500 psi) and capable of various flows up to 550 l/min. The combination of equipment, trained operatives and techniques we deploy can remove any coatings or descale any metal, restoring and preparing the surface back to its original profile.

## Water Jetting

By removing existing coatings and corrosion with water alone, there are fewer waste products created and those that are created can be processed with accessory services. Using vacuum recovery, waste products are contained and then disposed of utilizing our waste management services.

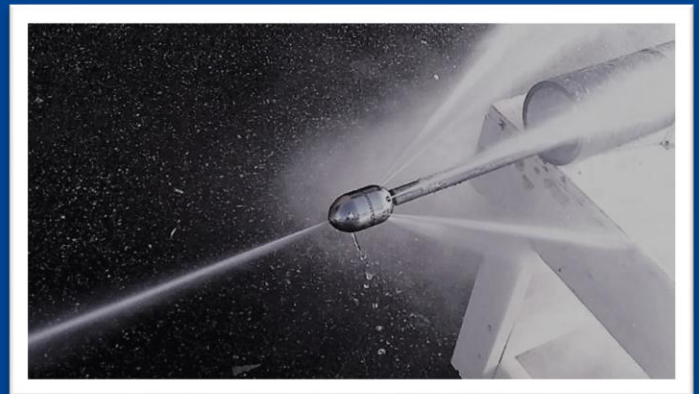
## Preparation for Surface Protection

The quality of the preparation is then matched by the quality of the techniques used to protect the surfaces. Using only the best paints and coatings and the latest application technologies, TIPA staff ensure the surface is primed and protected to the highest standards, which benefits the client by prolonging their equipment's service life and reducing its maintenance needs.

## Retro Jetting

Utilizing our jetting units in tandem with a variety of retro jetting nozzles, TIPA can provide a variety of solutions for different problems faced when cleaning pipe systems, diameters ranging from 30mm to an excess of 1000mm.

Retro jetting nozzles are self-propelled by the rearward directed jets with particular combinations of forward facing, radial and rearward jets ensuring a satisfactory solution to blockages and other scale sedimentation and debris.





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# Tank and Vessel Cleaning

Utilizing a combination of vacuum transfer systems and pumping solutions, TIPA provides premier tank and vessel cleaning services with minimal man entry. Along with experienced operatives trained in confined space entry and emergency rescue and utilizing high end breathing apparatus technology and gas monitoring, all tank and vessel entries are approached with adherence to both safety and quality.

## Tank Cleaning Packages

Over the years, we recognized the need to accommodate for the client's range of requirements. By developing a "fit for purpose" mindset, we further expanded our fleet to include more space conscious and mobile, and cost effective tank cleaning packages. This includes:

- 2" and 3" diaphragm pumps (positive displacement pump)
- Sv60-V Guzzla portable vacuum pumps (venturi pump)
- Sludge gulper units (venturi pump)

All which allow for both increased performance if used in tandem with the PTS for large scale cleaning scopes, or alternatively for more cost effective and portable solutions for smaller scale waste removal needs.



## Premier Transfer System

MSIS Premium Transfer Systems (PTS) has developed a proven seven year track record of use in the North Sea for waste removal within confined spaces on oil and slop tanks. Utilizing 100 - 150 HP Root Blower technology, the PTS are Zone 1 hazardous areas rated; with up to 55 meters vertical transfer capability of various material ranging from dry powder, sand, sludge and slurries. The PTS system is able to deliver high performance and reduction in operation time, reducing the required man-hours and persons on board. With the addition of MSIS premier transfer systems (PTS) to its equipment fleet, TIPA is further able to expand its service to include large storage tanks.





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# Confined Space Entry

## Trained Operatives & Proven Procedures

Tiba's specially trained teams utilise proven procedures to manage the risks associated with tank cleaning and confined space entry. This ensures all projects are safely and successfully completed. The 'Attendant' at the point of entry to a confined space permanently monitors the 'Entrants' working inside and communications are continually checked to ensure that the best working practices are followed.

## Specialist Equipment

An integrated range of specialist equipment has been assembled to maximise efficiency and minimise risk. Tiba uses the latest technology in gas monitors to monitor and display up to four gases simultaneously. Typically the carbon dioxide (CO<sub>2</sub>) and hydrogen sulphide (H<sub>2</sub>S) toxic sensors are used, but these can be changed in the event that a specific risk assessment identifies the potential of an alternative toxic hazard. Added safety features in this system include ultra-bright alarm lights and a powerful audible alarm, which coupled with a periodic green flash and bleep provide users with the confidence that monitoring is always in operation and alarms are never missed. In the case of noisy environments vibrating alarms are used. The 'Safelink' option allows two instruments to be connected together to facilitate direct communication between team members. Our air purification units are used to treat compressed air and bring it up to breathing air quality. In operation, an air purity analyser is deployed to verify that air quality is kept within specification.



## Safety First

Tiba has invested heavily in breathing apparatus and equipment to ensure an absolute 'fail safe' operational methodology. The integrity of the primary air supply is constantly monitored by the standby man via the purification unit and/or breathing apparatus trolley. In the unlikely event that both of these systems failed the entrant is also equipped with a ten-minute escape set to ensure safe exit from the situation. Explosion Proof (Ex) Lighting Specialist low voltage (24v) Ex area lighting is deployed to enhance safety and operational efficiency. The package includes flood lighting, stick lights and powerful hand held lamps.



## “NORM decontamination”



Naturally occurring radioactive material (NORM) deposits, recognized for decades within the oil and gas industry, present technical challenges during extraction, particularly in mature fields. Characterized as Low Specific Activity (LSA) Scale, NORM accumulation adversely affects equipment effectiveness and necessitates safe management.

Scale, sludge, and other NORM forms require specialized removal to enhance efficiency, prolong equipment lifespan, and facilitate potential reuse. NORM management remains heavily regulated due to health and safety concerns. TIPA supports clients with its experienced, professional team, providing comprehensive consultation, project management, and expert guidance on all aspects of NORM detection, containment, removal, and disposal. Equipped with specialized technology, experienced operatives, and adherence to stringent safety protocols and local regulations, TIPA ensures effective and compliant NORM removal, decontamination, treatment, and disposal operations.



# Environmental Impact Assessment

The environmental protection law 4/1994 and the Executive regulations 338/1995 states that new establishments or projects as well as expansion of existing establishment must be subject to an "Environmental Impact Assessment (EIA)" before a permit is issued.

Environmental Impact Assessment (EIA) constitutes a systematic and data-driven process for acquiring, documenting, and appraising information and stakeholder opinions pertaining to the environmental ramifications of planned activities. Through this comprehensive approach, the magnitude and significance of potential impacts are thoroughly evaluated, facilitating the identification of avenues for maximizing environmental benefits, implementing modifications to minimize adverse effects, or enacting strategic mitigation measures.



Its importance stems from its multifaceted contributions to informed decision-making, environmental protection, and the optimization of project outcomes.

## 1. Unveiling Environmental Implications:

EIA acts as a critical tool for shedding light on the potential environmental ramifications of proposed projects, encompassing aspects like air and water quality, biodiversity, land use, and socio-economic factors. This comprehensive understanding enables stakeholders to grasp the full scope of potential impacts, both positive and negative.

## 2. Facilitating Informed Decision-Making:

Through the structured analysis of environmental information, EIA empowers decision-makers to weigh the potential benefits of a project against its environmental costs. This data-driven approach fosters informed choices, guiding the selection of alternatives that minimize environmental harm while maximizing positive outcomes.

## 3. Safeguarding Environmental Quality:

EIA plays a pivotal role in safeguarding environmental quality by promoting the implementation of mitigation measures. By identifying potential impacts early on, the EIA process allows for the development and execution of strategies to minimize or eliminate adverse effects, thereby protecting ecosystems and public health.

## 4. Optimizing Project Design and Implementation:

The insights gleaned from EIA can be harnessed to optimize project design and implementation. By proactively addressing environmental concerns, EIA can lead to the development of projects that are not only environmentally sound but also more efficient and cost-effective.

# ***We Bring Project Excellence to Life***

For more information relating to our services and general inquiries visit our website [www.tibapetroleum.com](http://www.tibapetroleum.com) or email us at [sales@tibapetroleum.com](mailto:sales@tibapetroleum.com)



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