



Surface Treatment | Thermal Spray | Anti-Corrosion Coatings | Protective Painting

Company Profile

Telephone: +971 4 259-7931
Email: victor@tecniquallc.com
Website: www.tecniqua.info

Company Introduction

Techniqa Surface Engineering (TSE) is a UAE-based specialist in metal surface treatment and protective coatings. We help industries protect their assets from corrosion, wear, and harsh environments, making them last longer and perform better.

From oil and gas facilities to marine vessels and industrial plants, we deliver the right coating solution for every surface, every time.

Headquartered in UAE, and certified to ISO 9001, ISO 14001, and ISO 45001, TSE is trusted by clients across the region for quality work, safe practices, and reliable results.



A Message From Our Team

At TSE, we believe that protecting an asset is not just a technical job, it is a responsibility. Every pipeline, vessel, or structure we work on belongs to someone who depends on it to perform. That is why we bring the same care and attention to every project, whether it is a single component in our workshop or a large-scale offshore coating programme. We are proud of the work we do, and we are committed to earning your trust on every job.

Our Mission

To deliver surface treatment solutions that protect our clients' assets, extend their service life, and reduce their maintenance costs, with quality and safety at the heart of everything we do.

Our Vision

To be the most trusted surface engineering company in the UAE and the wider region, known for technical excellence, reliable service, and a team that always gets the job done right.





Services Overview

At TSE, we offer a complete range of surface engineering services, from initial surface preparation all the way through to final coating and inspection. Everything is done by our own qualified team, using the right equipment for the job. Our five core service areas are:

- Surface Preparation and Blasting
- Thermal Spray and Metal Spray
- Anti-Corrosion Coatings
- Painting and Waterproofing
- Specialty Treatments

Surface Preparation & Blasting

Proper surface preparation is the foundation of every successful coating system. TSE provides professional blasting services to ensure surfaces meet the required standards before coating application.

What We Offer

- ▶ Dry and wet sandblasting
- ▶ Grit blasting
- ▶ Surface preparation for pipelines, tanks, vessels, and structural steel
- ▶ Workshop and on-site services



Thermal Spray & Metal Spray

TSE delivers advanced thermal spray solutions that protect metal surfaces from corrosion, wear, and harsh environmental conditions.

What We Offer

- ▶ Arc Spray
- ▶ Flame Spray
- ▶ HVOF Spray
- ▶ Plasma Spray
- ▶ Zinc, Aluminium, and Alloy Coatings
- ▶ Thermal Spray Aluminium (TSA)





Anti-Corrosion Coatings

TSE provides high-performance coating systems designed to protect assets operating in aggressive industrial environments.

What We Offer

- ▶ Epoxy Coatings
- ▶ Polyurethane Coatings
- ▶ Phenolic & Novolac Systems
- ▶ Zinc-Rich Primers
- ▶ Ceramic & Inorganic Coatings

Painting & Waterproofing

Our industrial painting and waterproofing solutions provide reliable protection against moisture, weather exposure, and environmental damage.

What We Offer

- ▶ Industrial Painting
- ▶ Protective Linings
- ▶ Tank & Vessel Coatings
- ▶ Roof & Deck Waterproofing
- ▶ On-Site & Workshop Applications



Specialty Treatments

Some assets face extreme conditions that standard coatings simply cannot handle. TSE offers specialty treatment solutions for the most demanding environments and applications.

High-temperature and wear-resistant coatings for equipment operating under extreme heat or friction. Marine-grade and offshore coating systems designed for saltwater and high-humidity environments. Chemical-resistant linings for tanks and process equipment in petrochemical and industrial plants. LPG gas cylinder coatings, a specialist capability where TSE applies zinc-based thermal spray coatings to LPG cylinders, providing long-term corrosion protection and extending cylinder service life.



Industries We Serve

TSE works across a wide range of industries. Our experience means we understand the specific coating challenges each sector faces, and we know how to solve them.

► Oil and Gas:

Pipelines, vessels, storage tanks, offshore platforms, and process equipment. We protect the assets that keep energy flowing.

► Marine and Offshore:

Ship hulls, deck structures, offshore platforms, and subsea components. Our marine-grade coatings are built to handle saltwater, humidity, and constant exposure.

► Power Generation:

Turbines, heat exchangers, boilers, and structural components. We help power facilities stay operational and reduce unplanned downtime.

► Construction and Infrastructure:

Structural steel, bridges, water treatment plants, and public infrastructure. We protect the structures that cities depend on.

How We Work

Working with TSE is straightforward. We follow a clear process on every project, so you always know what to expect.

Step 1 Consultation and Assessment

We start by understanding your asset, your environment, and your requirements. Our engineers assess the surface condition and recommend the right treatment and coating system.

Step 2 Surface Preparation

Before any coating is applied, the surface is cleaned and prepared to the required standard, whether by blasting, grinding, or cleaning.

Step 3 Coating Application

Our certified applicators apply the coating system using the appropriate method, thermal spray, brush, roller, or spray - under controlled conditions.

Step 4 Inspection and Testing

Every project is inspected by our NACE-certified inspectors. We test for adhesion, thickness, holiday detection, and other quality parameters before sign-off.

Step 5 Project Handover

We provide full documentation of the work completed, materials used, and test results, giving you a complete record for your quality file.



Health, Safety And Environment


Certificate Of Registration
Awarded to

TECHNIQA SURFACE ENGINEERING FZE LLC
at
P.O. BOX NO:4848, SHARJAH, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS & ISO standard requirements for registration of the management system standard detailed below:

ISO 9001:2015
Quality Management Systems

Scope of work

TREATMENT AND COATING OF METALS, THERMAL SPRAY, ANTI CORROSION COATINGS, SAND BLASTING, INTERNAL & EXTERNAL PAINTING & WATERPROOFING METAL SPRAY

EA 17,28
Certificate No: ASU-1450
Originally Registered: 03 JUN 2025
Latest Issue: 03 JUN 2025
Valid up-to: 02 JUN 2028


Quality Registrar Systems



 
QUALITY REGISTRAR SYSTEMS
P.O Box :26826
United Arab Emirates

Tel: +971-2-6714302
Tel: +971-2-3096166
www.qrsyst.com

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ISO 14001:2015
Environmental Management Systems

Scope of work

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ISO 45001:2018
Occupational Health and Safety Management Systems

Scope of work

TREATMENT AND COATING OF METALS, THERMAL SPRAY, ANTI CORROSION COATINGS, SAND BLASTING, INTERNAL & EXTERNAL PAINTING & WATERPROOFING METAL SPRAY

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QUALITY REGISTRAR SYSTEMS
P.O Box :26826
United Arab Emirates

Tel: +971-2-6714302
Tel: +971-2-3096166
www.qrsyst.com

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Our Team, Facilities & Equipment

Skilled & Certified Team

- ▶ Qualified Engineers and Project Managers
- ▶ NACE-Certified Coating Inspectors
- ▶ Certified Coating Applicators and Blasting Specialists
- ▶ Experienced Onshore and Offshore Field Crews
- ▶ Dedicated Project Coordination and Quality Control Personnel

Mobile Operational Capability

- ▶ Fully Equipped Mobile Coating Teams
- ▶ Onshore, Offshore, and Remote Site Deployment
- ▶ Rapid Mobilisation for Shutdowns and Maintenance Projects
- ▶ Trained to Operate Under Strict HSE Requirements

Facilities

- ▶ Climate-Controlled Blasting Sheds
- ▶ Dedicated Painting and Coating Application Areas
- ▶ Workshop Facilities for Component and Asset Treatment
- ▶ Controlled Environment for Quality Surface Preparation

Equipment & Technology

- ▶ Automated Thermal Spray Systems
- ▶ High-Capacity Air Compressor Packages
- ▶ Portable Blasting and Dust Collection Units
- ▶ Coating Thickness and Adhesion Testing Equipment
- ▶ Mobile Inspection and Quality Control Laboratories

Project Gallery



Specialised Coating Solutions

TSE offers advanced thermal spray coating solutions for applications where long-term corrosion protection and asset longevity are critical.



LPG Cylinder Coatings

TSE provides zinc-based thermal spray coatings for LPG cylinders, delivering superior corrosion protection and extending cylinder service life. Every project is supported by documented inspection reports and pull-off testing, ensuring consistent quality and compliance with industry standards.



Thermal Spray Aluminium (TSA)

TSA is one of the most effective corrosion protection systems for offshore, marine, and industrial steel structures. Unlike conventional coatings, TSA provides active cathodic protection, helping safeguard steel even when the coating surface is damaged. TSE applies TSA to pipelines, structural steel, heat exchangers, vessels, and offshore assets, supported by proven application expertise and documented quality records.

Our Partners

TSE works with leading global brands in surface engineering materials and equipment. Our partnerships ensure that every project benefits from the best available products, applied by a team that knows how to get the most out of them.



Why Choose Techniqa Surface Engineering

There are many coating contractors in the UAE, but very few bring the same level of specialisation, certification, and commitment that TSE delivers on every project.

► We Are Specialists

Surface engineering is all we do. Our team is trained, certified, and focused on one thing, protecting your assets the right way.

► We Are Certified

ISO 9001, ISO 14001, and ISO 45001 certified. NACE-certified inspectors on every project. Our work meets international standards, every time.

► We Work Anywhere

Workshop, onshore, offshore, or remote site, our mobile teams are fully equipped and ready to go wherever the job takes them.

► We Own the Process

From the first assessment to final handover, we document everything. Full inspection reports and test results, so you always know exactly what was done.





Connect With Us

Techniqa Surface Engineering FZE LLC

P.O. Box 4848, Dubai, United Arab Emirates

Telephone:

+971 4 259-7931

Mobile:

+971 52 840-4486

WhatsApp:

+971 52 840 4486

Email:

victor@tecniquallc.com

Website:

www.tecniqa.info

Office Hours:

Monday to Friday | 8:00 AM to 5:00 PM