



COMPANY PROFILE

2026



01 Executive Summary & Overview

Your Trusted Partner in Energy, Industry and Environment

RST Energy Sdn Bhd is a multi-disciplinary engineering and industrial services company serving the Oil & Gas, Power Generation, and broader Energy sectors. We provide integrated, end-to-end solutions across Engineering, Procurement, Construction and Commissioning (EPCC), Plant Maintenance and Turnaround, Structural and Equipment Fabrication, and Industrial Services.

We deliver fit-for-purpose engineering and execution solutions for demanding industrial environments, combining technical expertise, project execution capability, field experience, and commercial awareness to meet our clients' operational and business objectives. Our strength lies in integrating engineering depth, execution agility, innovative technology, and practical field capability to address complex industrial challenges — from concept and engineering through construction, commissioning, maintenance, and beyond.

Our integrated capabilities span the complete project and asset lifecycle, encompassing engineering, procurement, fabrication, installation, testing, commissioning, maintenance, and turnaround execution. Our services include blasting and painting, mechanical works, structural and equipment fabrication, civil engineering and construction, building and facility maintenance, industrial maintenance services, and skilled and general manpower support. With a strong focus on safety, quality, reliability, and execution excellence, RST Energy is committed to delivering practical, cost-effective, and sustainable solutions that support our clients' operational continuity, asset performance, and long-term business objectives.

**"UNDERSTAND THE CHALLENGE.
ENGINEER THE SOLUTION. EXECUTE WITH DISCIPLINE. DELIVER
WITH INTEGRITY."**

Vision

Leading Engineering Solutions Powerhouse.

Our Philosophy

LEADERSHIP WITH INTEGRITY

We develop each of the team members by taking a leadership role in our company by providing individual expertise, professional service and a distinctive perspective to each project/task that they are involved in. We do the right thing at all times, with the highest ethical standards of integrity, earning the trust of our strategic business partners, clients and society.

ENTERPRISING

As leader in the market we set the standard in our own market niche. To that end, a focus on the latest state of the art technology helps us to stay in the forefront of our industry.

AGILE AND INNOVATIVE

As leader in the market we set the standard in our own market niche. To that end, a focus on the latest state of the art technology helps us to stay in the forefront of our industry.

VISION

**Leading
Engineering
Solutions
Powerhouse.**

MISSION

To deliver safe, reliable and cost-effective engineering, process and industrial solutions — from concept through operations — built on technical depth, disciplined execution and long-term partnership.

Our Philosophy

01 LEADERSHIP WITH INTEGRITY

We develop every team member to take a leadership role, bringing individual expertise, professional service and a distinctive perspective to each project and task. We do the right thing at all times, with the highest ethical standards of integrity, earning the trust of our strategic business partners, clients and society.

02 ENTERPRISING

As a leader in our market we set the standard in our own niche. A focus on the latest state-of-the-art technology keeps us at the forefront of our industry.

03 AGILE AND INNOVATIVE

A lean structure lets us make decisions quickly and respond to our clients' needs. We apply modular design and new technology to solve industrial problems practically and efficiently.

02 WHAT SETS US APART

Our Strength

01 Engineering-Led

Technical first, commercial second.

02 Agile Execution

Lean structure, faster decisions.

03 Multi-Disciplinary

Integrated solutions under one framework.

04 Modular by Design

Compact, transportable, deployment-ready.

05 Technology-Oriented

Water, environmental, automation, energy.

06 Commercially Conscious

Lifecycle value and total cost.

07 Partnership Approach

Clients, vendors, technology partners.

08 Safety Driven

Safety is fundamental to how we operate.

Industries We Serve

From offshore platforms and shipyards to power grids, water plants and construction sites, RST Energy brings the same engineering discipline to every sector we work in, keeping critical assets safe, compliant and productive.

5 sectors

Energy, Power, Water, Marine & Construction

20 segments

from Upstream to Steel Structures

Land & sea

onshore, Offshore & Marine Sites

01

Oil & Gas

Wellhead to Refinery Gate

- **Upstream**
Wellheads & production facilities
- **Midstream**
Gas Processing, pipelines, terminals
- **Downstream**
Refineries & petrochemical plants
- **Offshore & Onshore**
Platforms, FPSOs & onshore plants

02

Power & Energy

Generation to Distribution

- **Thermal**
Gas-fired & cogeneration plants
- **Renewable**
Solar, biomass & energy transition
- **Utility Systems**
Air, nitrogen & cooling water
- **Industrial Energy**
Efficiency & heat recovery

03

Water & Environment

Cleaner water, lower impact

- **Water Treatment**
RO, filtration & process water
- **Produced Water**
De-oiling & polishing
- **PFAS Remediation**
NFSorb™ GAC, IX & RO
- **Environmental Compliance**
Emissions & waste reduction

04

Marine

Ports, Vessels & Coastal Assets

- **Ports & Terminals**
Jetties, berths & marine terminals
- **Shipyards**
Ship repair, blasting & coatings
- **Offshore Marine**
Vessel & offshore support services
- **Marine Structures**
Jetty repair & corrosion protection

05

Construction

Industrial & Infrastructure works

- **Industrial Plants**
Civil, structural & mechanical works
- **Infrastructure**
Roads, drainage & site utilities
- **Buildings & Facilities**
Industrial & commercial buildings
- **Steel Structures**
Fabrication, erection & platforms

WORK WITH US

**One partner.
Every critical
asset.**

Tell us about your facility and we will show you how RST can help, from a single skid to a full project.

www.rstenergy.com.my →

What we bring to every sector

CAPABILITIES

 **Process skid packages**

 **Project & EPCC delivery**

 **Maintenance & industrial services**

 **3D laser scanning**

07 Health, Safety & Environment

OPERATIONAL PHILOSOPHY

Safety Is a Condition of Doing Business.

We maintain a zero-tolerance approach to safety negligence. No project schedule, commercial objective or production target takes priority over the safety of our people, clients, contractors and surrounding communities.

✔ Leadership Commitment

✔ Safe Work Planning

✔ Competency & Training

✔ Quality Assurance

✔ Incident Prevention

✔ Risk Identification & Mitigation

✔ Permit-to-Work Compliance

✔ Environmental Protection

✔ Quality Control

✔ Continuous Improvement

OUR FOCUS

0

Injuries

0

Illnesses

0

Tolerance for Unsafe Acts



Engineered for Performance. Designed for Deployment.

RST Energy is a leading Malaysian manufacturer, supplier, exporter, and distributor of process skid systems and modular process equipment. We deliver high-performance, engineered skid solutions designed to meet the evolving requirements of industries across Malaysia and international markets.

Our modular process systems are engineered with a strong focus on innovation, precision, reliability, and operational efficiency, enabling seamless integration into a wide range of industrial process applications. From custom-designed process skids and skid-mounted equipment to complete modular process units, our solutions are developed and manufactured to meet specific client requirements, technical specifications, and operating conditions.





OUR APPROACH

Built on four principles

Every RST package is engineered to the same standard, from a single utility skid to a complete treatment train.

 Safe operations Designed around process safety, reliable protection and accessible layouts.	 Proven technology Established process technologies, tailored to each client specification.	 Modular & scalable Skid-mounted packages for faster installation and easy expansion.	 Lower emissions Solutions that cut flaring, discharges and emissions to atmosphere.
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PORTFOLIO AT A GLANCE

Fifteen packages, three families

Gas Processing & Treatment

- 01 Fuel Gas Skid
- 02 Gas Filtration & Separation
- 03 Sour Gas / Acid Gas Treatment
- 04 Mercury Removal Unit
- 05 Sulphur Recovery Unit
- 06 MEG & TEG Regeneration

Advance Water & Environment Solution

- 07 Condensate Stabilization
- 08 Condensate Polishing
- 09 Produced Water Treatment
- 10 RO Water Maker
- 11 Blowdown Recovery

Utilities & Control

- 12 Instrument Air Skid
- 13 Nitrogen Generation
- 14 Chemical Injection
- 15 Wellhead Control Panel

Fuel Gas Conditioning / Treatment Skids

Protecting Critical Energy Infrastructure

RST Energy provides Fuel Gas Conditioning (FGC) solutions for the safe and reliable use of process and sales gas as fuel for gas turbines, engines, generators, burners and other combustion equipment.



Compact & Modular

Skid mounted for faster installation



Heating & Metering

Maintains required gas temperature and flow



Gas Filtration & Separation

Removes liquids, solids and contaminants



Safe & Reliable Design

Comply with API, ASME and client specifications



Pressure Control

Stable and reliable downstream supply

01 • FUEL GAS SKID

Process flow & design basis

TYPICAL PROCESS FLOW

01

Gas inlet & ESD valve

02

KO drum / scrubber

03

Filter coalescer

04

Fuel gas heater

05

Pressure control & metering

★ Key features

- ✓ Duty/standby filters for online maintenance
- ✓ Superheat above hydrocarbon dew point
- ✓ Regulation with overpressure protection
- ✓ Metering & gas analyser options
- ✓ Single-lift skid for fast installation

🔍 Design inputs we need

- ✓ Gas composition & flow (min / normal / max)
- ✓ Inlet pressure & temperature
- ✓ Required delivery pressure & temperature
- ✓ Consumer OEM fuel gas specification
- ✓ Area classification & design codes



Customized to
Client Specifications



Stable Fuel Gas Supply
for Continuous Operation



Comply with
API / ASME / ISO Standards



Skid Mounted
& Pre-Commissioned

Gas Filtration & Separation Skid

Removes solids, liquids and aerosols from gas streams, protecting compressors, turbines and metering equipment downstream.



Coalescer / filter separator



High efficiency filtration



Compact skid package

☆ Key features

- ✓ Removal to specified micron rating
- ✓ Duty/standby for online element change
- ✓ Differential pressure monitoring
- ✓ Quick-opening closures
- ✓ Automatic level control & drain

Design inputs we need

Gas flow rate & composition
Operating pressure & temperature
Expected solids & liquid loading
Required efficiency & particle size
Allowable pressure drop

TYPICAL APPLICATIONS

Compressor inlet protection

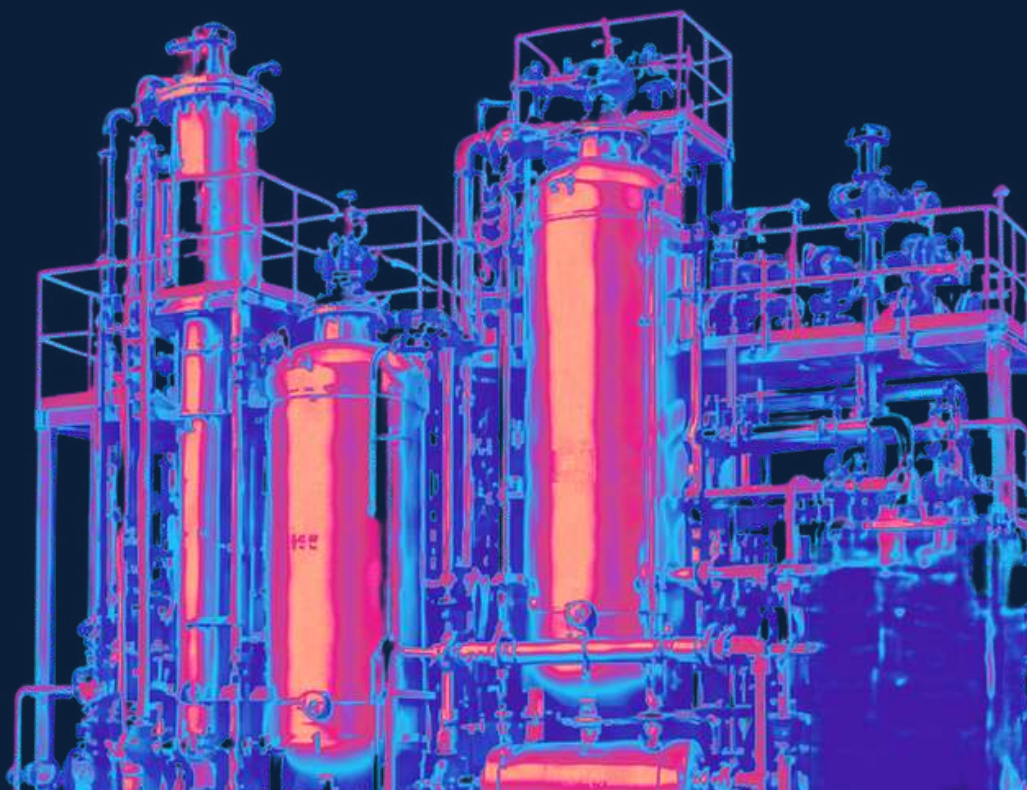
Fuel gas & metering

Pipeline gas

02 · GAS FILTRATION & SEPARATION SKID

Process flow & design basis

TYPICAL PROCESS FLOW



03 · GAS PROCESSING

Sour Gas / Acid Gas Treatment Skid

Removes H_2S and CO_2 from gas streams to meet sales gas, pipeline and safety specifications.

-  H_2S / CO_2 removal
-  Amine / membrane technology
-  Modular & scalable

TYPICAL APPLICATIONS

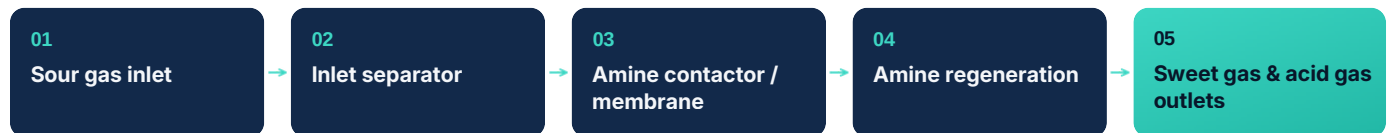
- Sales gas conditioning
- Pipeline specification
- Acid gas feed to SRU



03 · SOUR GAS / ACID GAS TREATMENT SKID

Process flow & design basis

TYPICAL PROCESS FLOW



☆ Key features

- ✓ Meets H_2S & CO_2 product specification
- ✓ Amine or membrane chosen to suit feed
- ✓ Closed amine regeneration loop
- ✓ Acid gas routed to SRU or disposal
- ✓ Scalable multi-train design

🔍 Design inputs we need

- ✓ Feed gas flow & composition
- ✓ H_2S and CO_2 content
- ✓ Treated gas specification
- ✓ Operating pressure & temperature
- ✓ Acid gas disposal route

04 · GAS PROCESSING

Mercury Removal Unit (MRU)

Removes mercury (Hg) from gas and liquid streams, protecting downstream equipment and product quality.



High removal efficiency
($< 0.01 \mu\text{g}/\text{Nm}^3$)



MOF / activated carbon technology



Protects downstream equipment

Application

LNG Feed Gas

Gas Processing Plants

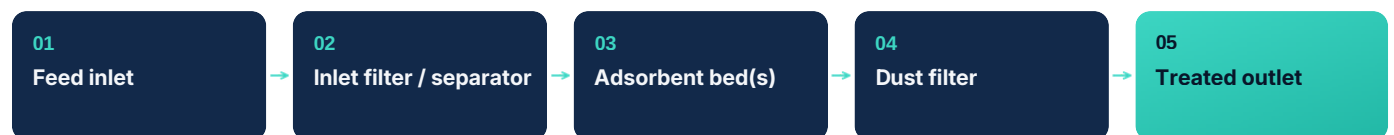
Condensate Streams



04 · MERCURY REMOVAL UNIT (MRU)

Process flow & design basis

TYPICAL PROCESS FLOW



★ Key features

- ✓ Outlet mercury below $0.01 \mu\text{g}/\text{Nm}^3$
- ✓ Non-regenerative fixed-bed adsorbent
- ✓ Lead-lag beds for continuous service
- ✓ Low pressure drop design
- ✓ Sampling & monitoring points

🔍 Design inputs we need

- ✓ Feed flow & composition
- ✓ Inlet mercury concentration
- ✓ Target outlet mercury level
- ✓ Water & H_2S content
- ✓ Required bed life / change-out interval

Sulphur Recovery Unit (SRU)

Proven Claus technology for cleaner emissions and sustainable operations. Converts H_2S in acid gas into liquid sulphur at above 99.9% purity.



High sulphur recovery
(> 99.9%)



Modular skid design



Lower SO_x / H_2S
emissions

TYPICAL APPLICATIONS

Refineries

Gas processing plants

Amine unit acid gas



05 · SULPHUR RECOVERY UNIT (SRU)

Process flow & design basis

TYPICAL PROCESS FLOW



☆ Key features

- ✓ Sulphur recovery above 99.9%
- ✓ Liquid sulphur purity above 99.9%
- ✓ Heat integration & steam generation
- ✓ Lower SO_x and H_2S emissions
- ✓ Modular skid design

🔍 Design inputs we need

- ✓ Acid gas flow & composition
- ✓ H_2S , CO_2 , NH_3 & hydrocarbon content
- ✓ Required recovery & emission limits
- ✓ Available utilities (steam, BFW, power)
- ✓ Sulphur handling & storage needs





06 • GAS PROCESSING

MEG & TEG Regeneration Package

Efficient glycol regeneration for continuous and reliable dehydration. Rich glycol is regenerated and returned for reuse.

- ✓ High purity glycol (> 99 wt%)
- ⚡ Energy efficient design
- 📦 Skid mounted & compact

TYPICAL APPLICATIONS

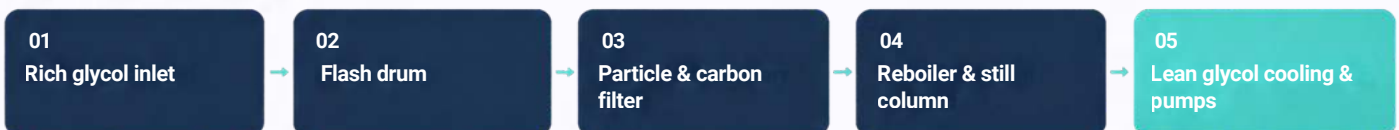
- Gas dehydration (TEG)
- Hydrate inhibition (MEG)
- Offshore platforms



06 • MEG & TEG REGENERATION PACKAGE

Process flow & design basis

TYPICAL PROCESS FLOW



★ Key features

- ✓ Lean glycol above 99 wt%
- ✓ Lean/rich exchanger saves energy
- ✓ Salt management option for MEG
- ✓ Reduced glycol losses
- ✓ Skid mounted & compact

Design inputs we need

- ✓ Glycol type & circulation rate
- ✓ Rich glycol water content
- ✓ Required lean glycol purity
- ✓ Salt & contaminant levels (MEG)
- ✓ Available heating medium

Condensate Stabilization Skid

Stabilizes condensate to meet sales specification by removing light ends, for safe storage and transport.

✓ Remove light ends (C1–C4)

✓ Meet RVP specification

✓ Modular skid design

TYPICAL APPLICATIONS

Gas condensate fields

Storage & export

Onshore terminals

★ Key features

- ✓ Meets RVP / TVP specification
- ✓ Light ends recovered to fuel or flare
- ✓ Feed/product heat recovery
- ✓ Automatic column control
- ✓ Modular skid design

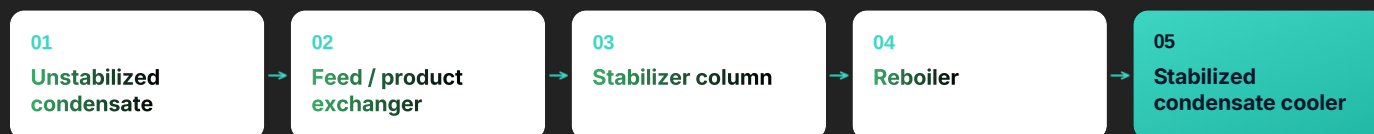
🔍 Design inputs we need

- ✓ Condensate flow & composition
- ✓ Target RVP / TVP
- ✓ Operating pressure & temperature
- ✓ Off-gas destination
- ✓ Available heating medium

07 · CONDENSATE STABILIZATION SKID

Process flow & design basis

TYPICAL PROCESS FLOW



08 · LIQUIDS & WATER

Condensate Polishing Skid

Removes contaminants to meet product specifications before export or further processing.

- ✓ Removes mercury, H₂S & organics
- ⚙ Cartridge / adsorbent filters
- 🧰 Compact skid design

TYPICAL APPLICATIONS

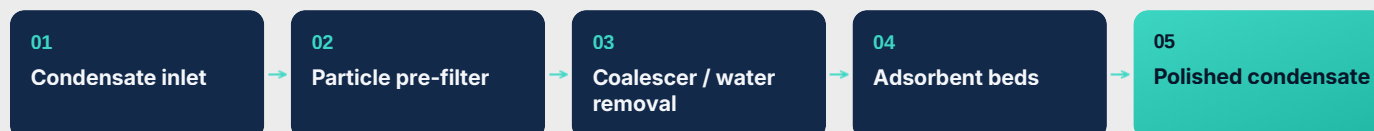
- Export condensate
- Refinery feed
- Product upgrading



08 · CONDENSATE POLISHING SKID

Process flow & design basis

TYPICAL PROCESS FLOW



★ Key features

- ✓ Mercury, H₂S & organics removal
- ✓ Water & solids removal
- ✓ Replaceable cartridge / adsorbent media
- ✓ Duty/standby vessels
- ✓ Compact skid design

🔍 Design inputs we need

- ✓ Condensate flow & properties
- ✓ Contaminant concentrations
- ✓ Product specification
- ✓ Operating pressure & temperature
- ✓ Media change-out frequency

Produced Water Treatment Skid

Treats produced water for reinjection or discharge compliance, separating oil and solids from the water stream.



Oil removal & filtration



Polishing filters (GAC / media)



Environmental compliance

TYPICAL APPLICATIONS

Overboard discharge

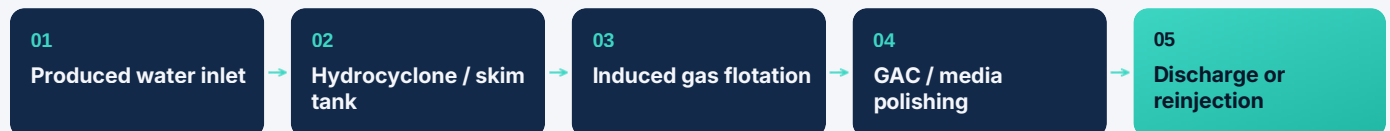
Water reinjection

Onshore disposal

09 · PRODUCED WATER TREATMENT SKID

Process flow & design basis

TYPICAL PROCESS FLOW



★ Key features

- ✓ Oil-in-water to discharge limits
- ✓ Multi-stage treatment train
- ✓ Recovered oil returned to process
- ✓ Automatic filter backwash
- ✓ Environmental compliance

🔍 Design inputs we need

- ✓ Water flow rate
- ✓ Inlet oil-in-water & TSS
- ✓ Discharge or reinjection specification
- ✓ Water chemistry
- ✓ Available plot space





10 - LIQUIDS & WATER

RO Water Maker (SWRO / BWRO)

Reliable fresh water supply for offshore and onshore operations, using reverse osmosis on seawater or brackish water.

 Seawater / brackish water treatment

 High recovery & efficient design

 Plug-and-play solution

TYPICAL APPLICATIONS

Offshore platforms

Remote sites

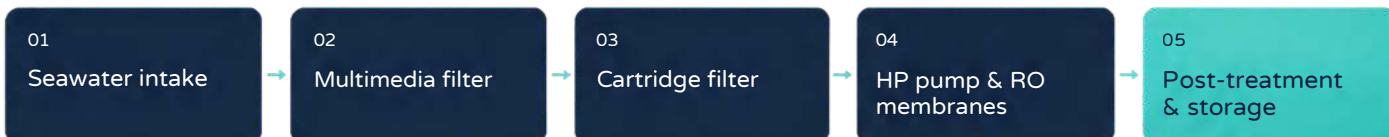
Utility & potable water



10 - RO WATER MAKER (SWRO / BWRO)

Process flow & design basis

TYPICAL PROCESS FLOW



☆ Key features

- ✓ SWRO or BWRO configuration
- ✓ Energy recovery device option
- ✓ Automatic flushing & CIP
- ✓ Potable or utility water quality
- ✓ Plug-and-play skid

🔍 Design inputs we need

- ✓ Required output (m³/day)
- ✓ Feed water source & salinity
- ✓ Product water quality
- ✓ Feed water temperature range
- ✓ Available power supply

Blowdown Recovery Skid

Recovers valuable hydrocarbons from blowdown streams instead of sending them to flare.



Recover hydrocarbons



Reduce emissions & flaring



Cost savings

TYPICAL APPLICATIONS

Compressor blowdown

Flare reduction

Vent gas recovery



12 - UTILITIES & CONTROL

Instrument Air (IA) Skid

Reliable and clean instrument air supply for critical operations, with compression, drying and filtration in one package.



Oil-free / oil-injected compressor



Dry & clean air supply



Fully automated with redundancy

TYPICAL APPLICATIONS

Control valves & actuators

Instrumentation

Plant & utility air



Nitrogen Generation Skid

On-site nitrogen supply for inerting, blanketing and purging, generated from compressed air.

- ✓ High purity nitrogen
- ⚙ PSA / membrane technology
- 📦 Compact & skid-mounted

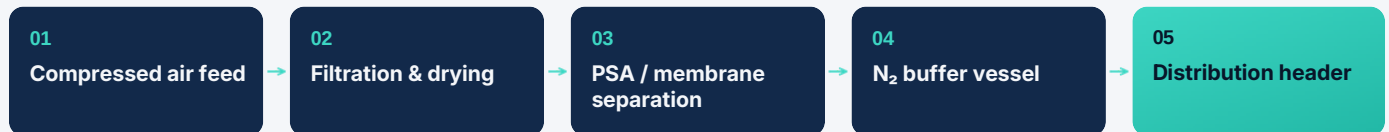
TYPICAL APPLICATIONS

Tank blanketing Purging & inerting Seal gas



Process flow & design basis

TYPICAL PROCESS FLOW



★ Key features

- ✓ Purity to process requirement
- ✓ Continuous on-site supply
- ✓ PSA or membrane selection
- ✓ Online purity monitoring
- ✓ Compact skid-mounted package

🔍 Design inputs we need

- ✓ Nitrogen flow rate
- ✓ Required purity
- ✓ Delivery pressure
- ✓ Compressed air availability
- ✓ Area classification



14 · UTILITIES & CONTROL

Chemical Injection Skid

Accurate and reliable chemical dosing for process and injection systems, with metering pumps, storage and controls.

-  Accurate dosing & control
-  Multiple chemical streams
-  Safe & reliable operation

TYPICAL APPLICATIONS

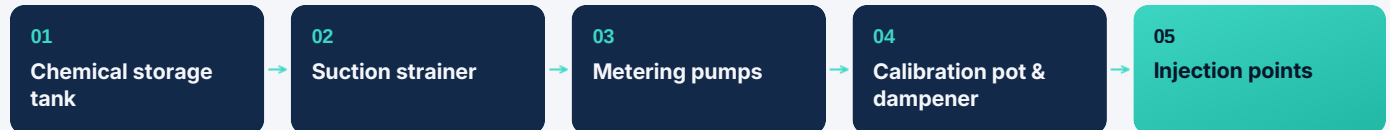
- Corrosion inhibitor
- Scale & hydrate inhibitor
- Biocide & demulsifier



14 · CHEMICAL INJECTION SKID

Process flow & design basis

TYPICAL PROCESS FLOW



☆ Key features

- ✓ Multiple chemical streams
- ✓ Accurate flow control & calibration
- ✓ Duty/standby pumps
- ✓ Electric or pneumatic pump drive
- ✓ Bunded skid for spill containment

🔍 Design inputs we need

- ✓ Chemicals & dosing rates
- ✓ Injection pressure
- ✓ Storage volume & refill interval
- ✓ Material compatibility
- ✓ Power or instrument gas available





15 · UTILITIES & CONTROL

Wellhead Control Panel Skid

Integrated control system for wellhead operation, managing safety valves and shutdown functions.



HP / HT application



Fully integrated control logic



Certified & field proven

TYPICAL APPLICATIONS

SSV / SCSSV control

ESD integration

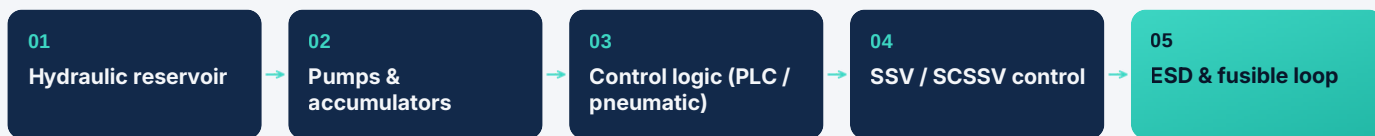
Onshore & offshore wells



15 · WELLHEAD CONTROL PANEL SKID

Process flow & design basis

TYPICAL PROCESS FLOW



Key features

- HP / HT capable
- Multi-well control
- ESD & fusible plug loop integration
- Local & remote (SCADA) monitoring
- Certified & field proven

Design inputs we need

- ✓ Number of wells
- ✓ Valve types & operating pressures
- ✓ Hydraulic fluid & supply pressure
- ✓ ESD philosophy & interfaces
- ✓ Area classification & environment

05 · WATER & ENVIRONMENTAL SOLUTIONS

PFAS Removal & Remediation

Industrial Run-off & Process Water · Contaminated Groundwater · Environmental Remediation

RST Energy provides engineered PFAS treatment and remediation systems for contaminated water, industrial wastewater and aqueous waste streams across energy, oil & gas, offshore and industrial applications.

Our solutions remove PFOS, PFOA and other short- and long-chain PFAS compounds, with technology selected on PFAS concentration, chain-length distribution, water chemistry, organic loading, flow rate and treatment targets.

Core treatment technologies

- ✓ Granular Activated Carbon (GAC) Adsorption
- ✓ Powdered Activated Carbon (PAC) Treatment
- ✓ Ion Exchange (IX) Resin Systems
- ✓ Nanofiltration (NF) & Reverse Osmosis (RO)
- ✓ Multistage Treatment & Polishing
- ✓ Pre-treatment for Solids, Oil & Organics
- ✓ Spent Media & PFAS-Loaded Waste Handling
- ✓ Membrane Concentrate / Reject Management

We provide process evaluation, treatability assessment, technology selection, process design, equipment sizing and packaged system integration — engineered for high removal efficiency, controlled breakthrough, media utilisation and reliable long-term operation. Systems are supplied as modular or skid-mounted packages for permanent, temporary, municipal, remediation and offshore/FPSO applications.

RST NFSorb™ PFAS Water Treatment

A containerized, multi-barrier system that removes PFAS “forever chemicals” from water for municipal supply, industry and sites affected by firefighting foam.

WHY PFAS MATTERS

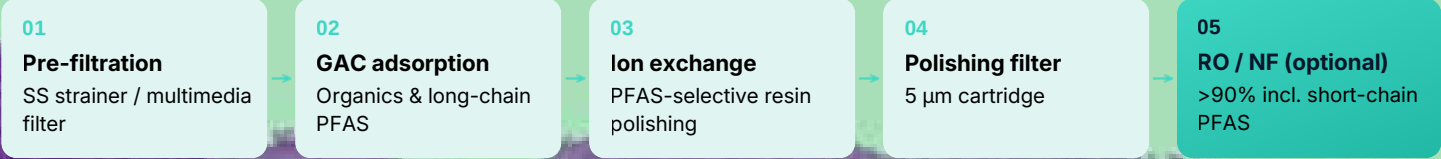
4 ng/L	US EPA limit for PFOA and PFOS in drinking water (2024 rule)
0.1 µg/L	EU limit for the sum of 20 PFAS, applying from January 2026
Group 1	IARC classification of PFOA: carcinogenic to humans

OUR SOLUTION

- ✓ Removes PFAS & emerging contaminants
- 📅 Automated operation with remote monitoring
- 🏢 Scalable for municipal & industrial use
- 🚚 Containerized & modular, plug-and-play

16 · RST NFSORB™ PFAS WATER TREATMENT

Process flow & design basis



Design inputs we need		
Raw water source & flow rate TOC, TSS & competing ions	✓ PFAS species & concentrations ✓ Spent media & reject handling	✓ Target treated-water limits ✓ Power supply & site footprint

BEYOND THE SKID-
ENGINEERING SERVICES

Project & EPCC Delivery

Integrated engineering services across the full project lifecycle, from concept and FEED to detailed engineering, procurement, construction, commissioning and operational support.

Single Point

of responsibility across
EPCC scope

5 Disciplines

integrated under one engineering
team

Concept → Ops

six-stage lifecycle coverage

Onshore & Offshore

brownfield and greenfield
projects

Industries served

WHERE WE WORK



Upstream oil & gas

- Offshore platforms & FPSOs
- Onshore production facilities
- Wellhead & manifold systems



Midstream & gas processing

- Gas processing & treatment plants
- Pipelines, terminals & storage
- Compression & metering stations



Downstream & petrochemical

- Refineries & process units
- Petrochemical & chemical plants
- Tank farms & product storage



Power, utilities & energy transition

- Power & cogeneration plants
- Water & wastewater treatment
- Flare, emissions & carbon capture

One engineering partner, multiple disciplines

IN-HOUSE CAPABILITY



Process

PFDs, P&IDs, simulation, HAZOP support



Mechanical

Equipment, piping design & stress analysis



Electrical

Power distribution & hazardous area design



Instrumentation & Control

Control systems, ESD and fire & gas



Civil & Structural

Skid structures, foundations & steelwork

Full project lifecycle

EPCC SCOPE



How we deliver



HSE first

Safety built into design, construction and operations



Schedule & cost control

Disciplined planning, progress tracking and reporting



Quality assured

Inspection, testing and documentation at every stage



Client-focused team

Responsive engineers working as an extension of yours

Engineered with purpose. Executed with discipline.

We bring together technical expertise, entrepreneurial thinking, disciplined execution and a people-focused culture to deliver solutions that perform in the real world.



Plant Maintenance, Turnaround & Industrial Services

Keeping Industrial Assets Safe, Reliable & Productive.

We support clients throughout the operational lifecycle of their assets with engineering-driven industrial services.



Plant Maintenance & Turnaround

Preventive, corrective and shutdown maintenance, planned and executed to minimise downtime.



Blasting, Painting & Coatings

Surface preparation and protective coatings for structures and equipment.



Structural Fabrication & Erection

Carbon and stainless steel fabrication, platforms and structural erection.



Industrial Cleaning

Tank, equipment and process system cleaning.



Mechanical & Civil Works

Mechanical works, civil engineering and construction, building and facility maintenance.



Skilled Manpower & Equipment

Skilled and general manpower supply with specialised equipment support.

BEYOND THE SKID-
MAINTENANCE SERVICES

Plant Maintenance & Turnaround

Preventive, corrective and shutdown maintenance for process plants and utilities, planned around your production targets and executed safely to minimise downtime.

Full spectrum

preventive, corrective & shutdown

Planned & scheduled

workpacks, critical path, resources

Single contractor

multi-discipline crews & equipment

Safe restart

inspection, test & handover

Scope of services

WHAT WE DO



Preventive maintenance

Scheduled inspection, servicing and replacement to prevent failures



Corrective maintenance

Rapid-response repair of breakdowns and equipment defects



Shutdown & turnaround

Planning and execution of plant shutdowns and major overhauls



Static equipment

Vessels, exchangers, columns and tanks: open, clean, inspect, repair, box-up



Rotating equipment

Pumps, compressors and fans: overhaul, alignment and testing



Piping & valves

Valve servicing, spool replacement, bolt torquing and leak testing

Typical assets & applications

WHERE WE WORK

Refineries

Gas processing plants

Petrochemical plants

Power & utility plants

Offshore platforms

Terminals & tank farms

Manufacturing facilities

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

Multi-year framework with agreed rates and KPIs

Call-out

Rapid response for breakdowns and urgent work

Keeping industrial assets safe, reliable & productive.

Engineering-driven industrial services across the operational lifecycle of your assets.

Plant Maintenance & Turnaround

How we deliver

TYPICAL WORKFLOW



Why RST

- HSE First**
Permit-to-work, JSA and isolation discipline on every job
- Turnaround Planning**
Critical-path schedule that protect your restart date
- Multi-discipline crews**
Mechanical, piping, E&I and civil under one contract
- Quality records**
Inspection & test plans and traceable close-out dossiers
- Rapid mobilisation**
Crews and equipment on call for breakdowns
- Clear reporting**
Daily progress, manhour and look-ahead reports

Standards & compliance

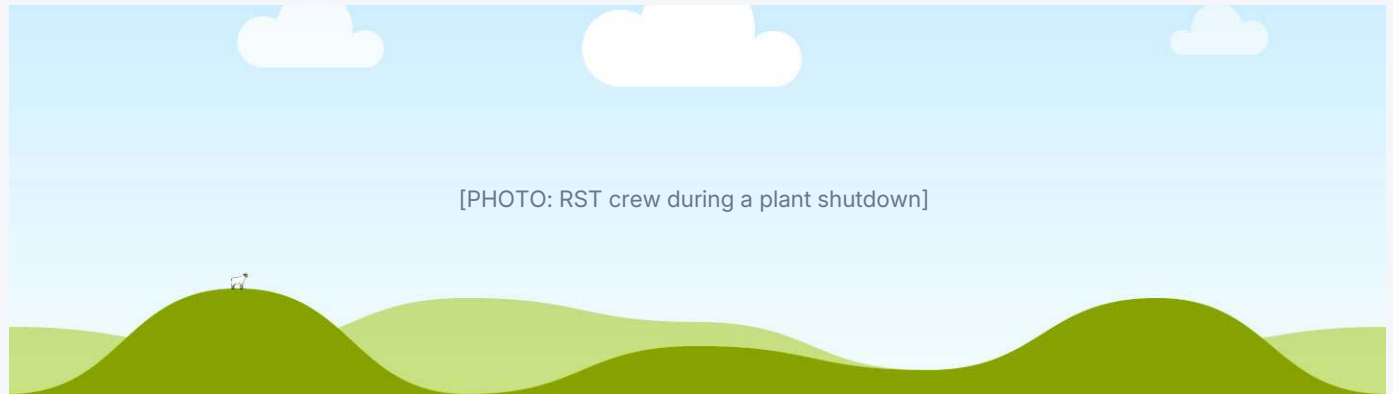
API 510	Pressure vessel inspection, repair & alteration
API 570	In-service piping inspection & repair
API 653	Aboveground storage tank inspection
ASME PCC-1	Bolted flange joint assembly
OSHA 1994	Occupational Safety and Health Act (Malaysia)
Client PTW	Site permit-to-work & isolation procedures

Typical references; the applicable codes follow the client specification.

Information we need to quote

- ✓ Plant / asset list & location
- ✓ Scope of work or worklist
- ✓ Shutdown window & duration
- ✓ Equipment drawings & datasheets
- ✓ Site HSE requirements & permits
- ✓ Manpower & shift pattern
- ✓ Materials & spares responsibility
- ✓ Access, lifting & scaffolding needs

[PHOTO: RST crew during a plant shutdown]



BEYOND THE SKID-
MAINTENANCE SERVICES

Structural Fabrication & Erection

Carbon and stainless steel fabrication, platforms, pipe racks and structural erection, built to approved drawings with welding and dimensional control at every stage.

Carbon, Stainless, Duplex

Shop & Site
fabrication and erection

Qualified Welding
procedure-controlled joints

Full Traceability
material & weld records

Scope of services

WHAT WE DO



Structural steelwork

Beams, columns, frames and support structures



Platforms & walkways

Access platforms, stairs, ladders and handrails



Pipe racks & supports

Pipe racks, shoes, guides and pipe supports



Skid bases

Equipment skids and base frames



Stainless fabrication

Corrosion-resistant stainless steel items and supports



Erection & installation

Lifting, bolting, alignment and grouting at site

Typical assets & applications

WHERE WE WORK

Process plants

Offshore modules

Pipe racks

Equipment skids

Access platforms

Warehouses & sheds

Tank structures

Brownfield modifications

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

Multi-year framework with agreed rates and KPIs

Call-out

Rapid response for breakdowns and urgent work

Structural Fabrication & Erection

How we deliver

TYPICAL WORKFLOW



Why RST

- Controlled welding**
Qualified procedures and welders on every joint
- NDT & QC**
Visual, MPI, UT or RT as specified
- Dimensional accuracy**
Fit-up checks before welding and before dispatch
- Integrated coating**
Blasting and painting in one scope
- Safe lifting**
Lift plans and certified rigging
- Traceable**
Material certificates, weld maps and QC dossier

Standards & compliance

AWS D1.1	Structural welding code – steel
AWS D1.6	Structural welding code – stainless steel
ASME IX	Welding procedure & welder qualification
ISO 3834	Quality requirements for fusion welding
AISC 360	Specification for structural steel buildings
EN 1090	Execution of steel structures (where specified)

Typical references; the applicable codes follow the client specification.

Information we need to quote

- | | | | |
|--|--|--|---|
| ☒ Drawings or design brief | ☒ Material grade & tonnage | ☒ Welding & NDT requirements | ☒ Coating specification |
| ☒ Shop or site fabrication | ☒ Erection location & access | ☒ Lifting constraints | ☒ Delivery schedule |

[PHOTO: Structural steel fabrication or erection]

BEYOND THE SKID-
MAINTENANCE SERVICES

Mechanical & Civil Works

Mechanical installation, piping, civil engineering and construction, plus building and facility maintenance, delivered by one team to keep your facilities running.

Mechanical & piping

installation and modification

Civil & structural

construction works

Building & facility

maintenance

Brownfield-ready

works in live plants

Scope of services

WHAT WE DO



Equipment installation

Setting, levelling and alignment of pumps, motors and packages



Piping works

Fabrication, installation, tie-ins and hydrotest



Civil construction

Foundations, plinths, roads, drainage and slabs



Building works

Buildings, shelters, fencing and renovations



Facility maintenance

Building services, roofing, painting and repairs



Modifications

Brownfield upgrades and tie-ins during shutdowns

Typical assets & applications

WHERE WE WORK

Process plants

Utility buildings

Pump & compressor stations

Pipelines & tie-ins

Roads & drainage

Warehouses

Offices & control rooms

Site infrastructure

Engagement models

HOW TO WORK WITH US

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Rapid response for breakdowns and urgent work

Keeping industrial assets safe, reliable & productive.

Engineering-driven industrial services across the operational lifecycle of your assets.

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Mechanical & Civil Works

How we deliver



Why RST

- One contract**
Mechanical, piping and civil together, fewer interfaces
- Live-plant experience**
Works planned around operations and permits
- Quality control**
ITPs, inspection and test records
- Safe execution**
HIRARC, JSA and PTW on every activity
- Flexible scale**
From minor repairs to project works
- As-built records**
Updated drawings at handover

Standards & compliance

ASME B31.3	Process piping
API 686	Machinery installation & alignment
ASME PCC-2	Repair of pressure equipment & piping
UBBL 1984	Uniform Building By-Laws (Malaysia)
MS / BS / Eurocode	Civil & structural design codes as specified
OSHA 1994	Occupational Safety and Health Act (Malaysia)

Typical references; the applicable codes follow the client specification.

Information we need to quote

- Scope & drawings
- Site location & access
- Existing services & constraints
- Material supply responsibility
- Testing & commissioning needs
- Permits & authority approvals
- Schedule & working hours
- Live plant or greenfield

[PHOTO: Piping or civil works at site]

Mechanical & Civil Works

How we deliver



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[PHOTO: Piping or civil works at site]

BEYOND THE SKID-
MAINTENANCE SERVICES

3D Laser Scanning & Digital

High-accuracy 3D laser scanning of plants, structures and equipment, turned into point clouds, 3D models and as-built drawings that cut site revisits, clashes and rework on brownfield projects.

Millimetre-level

point cloud accuracy

Non-contact

safe capture in live plants

Scan to model

pointcloud, 3DCAD & BIM

Fewer site visits

measure once, reuse many times

Scope of services

WHAT WE DO



3D laser scanning

Terrestrial scanning of plants, modules, structures and buildings



Point cloud processing

Registration, cleaning and georeferencing of scan data



3D modelling

Intelligent 3D models of piping, steel and equipment from scans



As-built drawings

Updated P&ID mark-ups, plot plans, GA and isometric drawings



Clash detection

Check new designs against the as-built model before fabrication



Dimensional & deformation checks

Tank ovality, verticality, settlement and structural surveys

Typical assets & applications

WHERE WE WORK

Brownfield modifications

Offshore platforms

Process plants & refineries

Storage tanks

Pipe racks & tie-ins

Turnaround planning

Digital twin & asset records

Buildings & heritage

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

Multi-year framework with agreed rates and KPIs

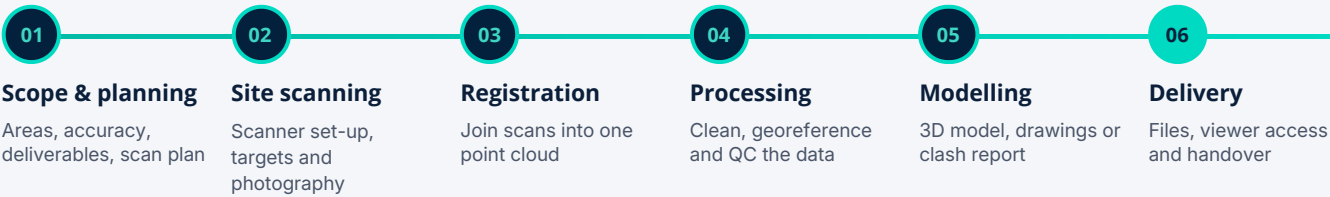
Call-out

Rapid response for breakdowns and urgent work

3D Laser Scanning & Digital Engineering

How we deliver

TYPICAL WORKFLOW



Why RST

- Safe in live plants**
Non-contact capture with minimal time in hazardous areas
- Faster projects**
Remote measurement replaces repeated site visits
- Fewer clashes**
Designs checked against real conditions before fabrication
- Accurate as-builts**
Drawings reflect what is actually installed
- Engineering-led**
Scans processed by engineers who understand the plant
- Open deliverables**
Standard formats for CAD, BIM and plant design software

Standards & compliance

E57 / RCP / LAS	Open point cloud formats
DWG / DGN / IFC	CAD and BIM deliverable formats
PDMS / E3D / SP3D	Plant design model formats (as required)
API 653	Tank dimensional checks for inspection support
Client CAD standards	Layering, naming and drawing templates
Client PTW	Site access & permit-to-work

Typical references; the applicable codes follow the client specification.

Information we need to quote

- ✓ Area or facility to scan
- ✓ Required accuracy / LOD
- ✓ Deliverables (cloud, model, drawings)
- ✓ Existing drawings & models
- ✓ Software & file formats
- ✓ Site access & permits
- ✓ Offshore or onshore logistics
- ✓ Schedule & deadline

[PHOTO: Laser scanner on tripod at site, with point cloud view]

BEYOND THE SKID-
MAINTENANCE SERVICES

Skilled Manpower & Equipment

Skilled and general manpower supply with specialised equipment support, mobilised quickly with safety training and competency records in place.

Skilled & general
manpower supply

Short & long term
call-out to multi-year

Competency checked
training & certificates verified

Equipment support
tools, lifting & access

Scope of services

WHAT WE DO



Technical trades

Fitters, pipefitters, welders, riggers and electricians



Supervision

Supervisors, foremen and HSE officers



Engineering support

Engineers, planners and QA/QC inspectors



General workers

General labour and helpers



Equipment rental

Lifting, welding, power tools and access equipment



Mobilisation logistics

Transport, accommodation and site onboarding

Typical assets & applications

WHERE WE WORK

Shutdowns & turnarounds

Maintenance contracts

Construction projects

Fabrication yards

Offshore campaigns

Emergency call-outs

Commissioning support

Facility operations

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

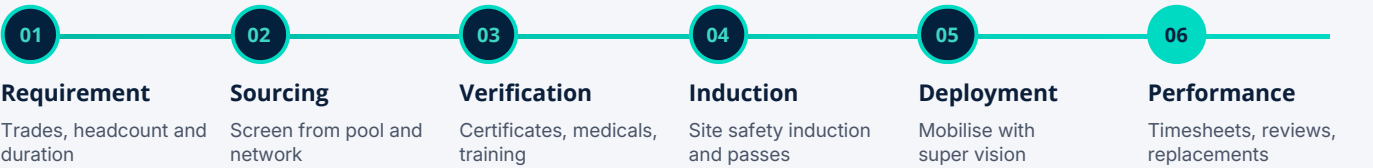
Multi-year framework with agreed rates and KPIs

Call-out

Rapid response for breakdowns and urgent work

Skilled Manpower & Equipment

How we deliver



Why RST

- Fast mobilisation**
Crews deployed at short notice
- Competency assured**
Trade, tests and certificates verified
- Safety trained**
NIOSH, CIDB and site-specific inductions
- Super vised**
RST supervisors on site with the crew
- Flexible terms**
Daily, monthly or lump-sum rates
- Equipment included**
Tools and equipment from one supplier

Standards & compliance

NIOSH Safety Passport	Basic site safety training (Malaysia)
CIDB Green Card	Construction personnel registration (Malaysia)
DOSH competency	Crane operators, riggers, scaffolders
ASME IX / AWS	Welder qualification
Medical fitness	Pre-deployment medical checks
Client induction	Site-specific safety induction

Typical references; the applicable codes follow the client specification.

Information we need to quote

- | | | | |
|---------------------------|--------------------------|------------------------------|-------------------------|
| Trades & headcount | Duration & shift pattern | Site location & access | Required certifications |
| Accommodation & transport | Equipment required | Rate basis (daily / monthly) | Mobilisation date |

[PHOTO: RST team in PPE at an industrial site]

10 Strategic Direction

Leading Engineering Solutions Powerhouse by 2027.

We are building a platform to serve Malaysia's energy and industrial sectors and to expand selectively into regional markets, across five growth pillars.

ENERGY

- Oil & Gas
- Power Generation
- Renewable Energy
- Utilities

ENGINEERING

- Multi-Disciplinary
- FEED
- Detailed Engineering
- EPCC

MODULARISATION

- Process Skids
- Utility Packages
- Treatment Systems
- Packaged Equipment

ENVIRONMENT

- Water Treatment
- Produced Water / PFAS
- Mercury Removal
- Remediation

INDUSTRIAL SERVICES

- Maintenance
- Turnaround
- Fabrication
- Coatings
- Cleaning

STRATEGIC GROWTH BUILT ON

Capability · Partnerships · Technology · Execution Excellence · Long-Term Relationships



BEYOND THE SKID-
MAINTENANCE SERVICES

Industrial Cleaning

Tank, equipment and process system cleaning using hydrojetting, vacuum and chemical methods, carried out safely in confined spaces with waste handled responsibly.

Hydrojetting

high & ultra-high pressure

Confined space

trained entry & standby teams

Chemical & mechanical

cleaning methods

Waste managed

segregation & disposal support

Scope of services

WHAT WE DO



Tank cleaning

Crude, product and water tank sludge removal



Heat exchanger cleaning

Tube bundle and shell-side hydrojetting



Vessel & column cleaning

Internals cleaning ahead of inspection and repair



Chemical cleaning

Descaling, degreasing and pipeline pickling



Vacuum & sludge removal

Vacuum truck and sludge handling



Drains & sumps

Drains, pits, sumps and sewers

Typical assets & applications

WHERE WE WORK

Storage tanks

Heat exchangers

Vessels & columns

Cooling towers

Pipelines

Drains & sumps

Boilers

Process equipment

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

Multi-year framework with agreed rates and KPIs

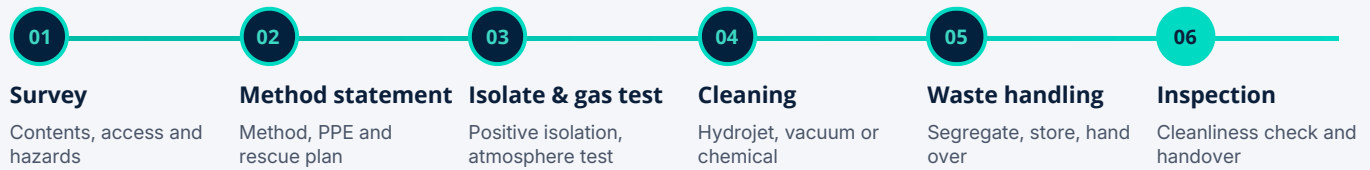
Call-out

Rapid response for breakdowns and urgent work

Industrial Cleaning

How we deliver

TYPICAL WORKFLOW



Why RST

-  **Confined-space safety**
Gas testing, stand by person and rescue plan on every entry
-  **Right method**
Hydro, vacuum or chemical chosen for the fouling
-  **Faster turnaround**
Cleaning sequenced into the shutdown schedule
-  **Waste compliance**
Scheduled waste segregated for licensed disposal
-  **Equipment protected**
Controlled pressures and nozzles to avoid damage
-  **Reported**
Before-and-after photos and cleaning records

Standards & compliance

DOSH ICOP 2010	Safe working in a confined space (Malaysia)
EQ (Scheduled Wastes) 2005	Scheduled waste handling (Malaysia)
WJTA-IMCA	Recommended practices for water jetting
API 2015	Safe entry & cleaning of petroleum tanks
OSHA 1994	Occupational Safety and Health Act (Malaysia)
Client PTW	Isolation & permit-to-work

Typical references; the applicable codes follow the client specification.

Information we need to quote

- ✓ Equipment type & dimensions
- ✓ Contents / fouling type
- ✓ Access & manway details
- ✓ Isolation arrangement
- ✓ Waste disposal responsibility
- ✓ Required cleanliness standard
- ✓ Shutdown window & hours
- ✓ Water & utilities available

[PHOTO: Hydrojetting of a heat exchanger or tank cleaning]

BEYOND THE SKID-
MAINTENANCE SERVICES

Blasting, Painting & Coatings

Surface preparation and protective coating systems for structures, piping, tanks and equipment, applied and inspected to specification to control corrosion and extend asset life.

Abrasive & hydro

blasting for every substrate

Specification-driven

coating system per environment

Inspected

profile, DFT & holiday testing

Shop & in-situ

onshore and offshore application

Scope of services

WHAT WE DO



Abrasive blasting

Grit and garnet blasting to the specified cleanliness and profile



Hydroblasting & UHP

Coating removal and surface preparation without abrasive dust



Protective coatings

Epoxy, polyurethane, zinc-rich and multi-coat systems



Tank & vessel linings

Internal linings for storage tanks and vessels



Passive fire protection

Fireproofing for structural steel where specified



Coating inspection

Surface profile, DFT, adhesion and holiday testing

Typical assets & applications

WHERE WE WORK

Structural steel

Process piping

Storage tanks

Pressure vessels

Offshore topsides

Jetties & marine

Pipe racks

Equipment skids

Engagement models

HOW TO WORK WITH US

Lump-sum

Fixed price for a defined scope and schedule

Schedule of rates

Unit rates for manpower, equipment and materials

Term contract

Multi-year framework with agreed rates and KPIs

Call-out

Rapid response for breakdowns and urgent work

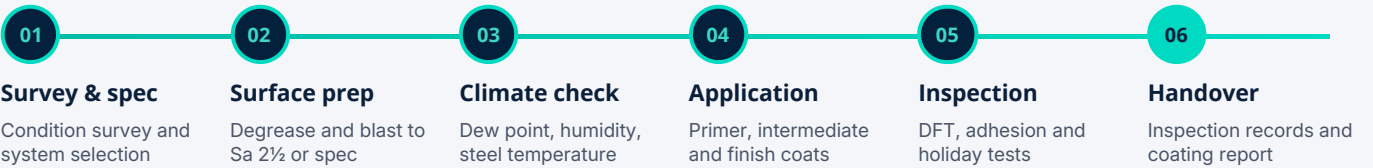
Keeping industrial assets safe, reliable & productive.

Engineering-driven industrial services across the operational lifecycle of your assets.

Process, standards & quote inputs overleaf →

Blasting, Painting & Coatings

How we deliver



Why RST

- Right system

Coating selected for the corrosivity category (C1–CX, Im) per ISO 12944
- Inspected work

Every stage checked against ISO and client specifications
- Controlled conditions

Humidity and dew point logged before every coat
- Containment

Blast containment and waste handling in live plants
- Minimal disruption

In-situ work planned around operations
- Documented

Batch numbers, DFT readings and inspection records per item

Standards & compliance

ISO 8501-1	Visual assessment of surface cleanliness (Sa grades)
ISO 8503	Surface profile of blast-cleaned steel
ISO 8502	Tests for dust, salts and surface contamination
ISO 12944	Corrosion protection by protective paint systems
SSPC / AMPP	Surface preparation standards, e.g. SP 10
ASTM D4541	Pull-off adhesion testing

Typical references; the applicable codes follow the client specification.

Information we need to quote

- ✓ Items, areas & surface m²

✓ Substrate & current condition

✓ Coating specification (if any)

✓ Environment / corrosivity
- ✓ Shop or on-site application

✓ Access & scaffolding

✓ Live-plant constraints

✓ Inspection & records required

[PHOTO: Abrasive blasting or coating application on steel]

