



A SWTS Company



PT SWTS Batam

Bintang Industrial Park-II, Type F
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COMPANY PROFILE

WWW.SWTSBATAM.COM

SWTS SINGAPORE

Since its inception in 1973, growth from diversification has led the company to become a regional leader in providing multi-discipline engineering services and industrial solutions. From providing electrical and mechanical repair and services of rotating machines to stand-alone distribution sub-station equipment, SWTS has transformed to become an integrated regional network of interdependent repair and engineering facilities, offering complex drive systems packaging and engineering designs.

The transformation of the company in the last three decades has augured well for SWTS in keeping abreast with the changes in global demand for immediate, critical services. SWTS rapid expansion in the region has enabled the enlarged organization to continue to play active roles as a crucial service provider in the new, bigger challenging operating domains.

SWTS BATAM

PT. SWTS Batam is a subsidiary of SWTS Pte Ltd, Singapore. SWTS Batam is a technology service centre setup to cater to Marine, Offshore and Process Industries. Strategically located closer to the yards, SWTS Batam specialises in engineering service solutions for marine and offshore sectors.

SWTS Batam has set up a state of art HVAF (High Velocity Air Fuel) facility in Batam to meet the coating needs of the customers in marine and offshore segments. HVAF coating serves as a replacement for the environmentally hazardous chromium plating.

MARINE SERVICES



ENGINE SERVICES

Specialized for:

Overhauling two stroke/four stroke engines of make MAN B&W, Sulzer, Akasaka, Yanmar, Daihatsu.

GOVERNOR SERVICES

Specialized for:

Regulateurs Europa, Heinzmann, Woodward, Zexel, Yanmar, Daihatsu, Nigata



FUEL PUMP SERVICES

Specialized for:

- Overhauling two stroke/four stroke fuel pumps of make MAN B&W, Sulzer, Akasaka, Yanmar, Daihatsu.
- Overhauling of inline fuel pumps
- Overhauling of Common Rail Injection Systems



HYDRAULIC SERVICES

Specialized for:

- Overhauling of Hydraulic Cylinder
- Overhauling of Hydraulic Motor
- Overhauling of Hydraulic Control Valve Service
- Overhauling of Hydraulic Pumps
- Hydraulic Troubleshooting
- Accumulator Overhauling
- Steering Gear Hydraulics



PROPULSION SERVICES

Specialized for:

- Overhauling of fixed pitch Propeller, Rudder
- Overhauling Controllable Pitch Propeller (CPP)
- Overhauling of Bow/Stern/ Azimuth Thruster

ELECTRICAL SERVICES

Specialized for:

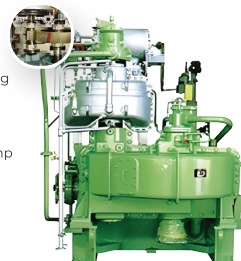
- Servicing of Power Management System
- Main Switch Board Services
- Automatic unloading system troubleshooting
- Crane Electrical Automation Commissioning of Engine
- Installation and commissioning of electrical automation systems
- Inert gas system servicing
- Tank radar system servicing



ROTARY EQUIPMENT SERVICES

Specialized for:

- Overhauling of Cargo Oil Pump, Ballast Pump, Stripping Pump of make SHINKO, Kawasaki, Mitsubishi
- Overhauling of Cargo Oil Pump Turbine of make SHINKO, Kawasaki, Mitsubishi



PNEUMATIC MANUEVRING SYSTEM & ALPHA LUBRICATOR SYSTEM

Specialized for:

- Overhauling and trouble shooting of engine pneumatic Maneuvering system for MAN B&W, SULZER and Mitsubishi engine
- Stockist for Genuine Spare Parts/Repair Kit for MAN B&W, Sulzer Pneumatic Maneuvering System
- Overhauling of Alpha Lubricator



VALVE SERVICES

Specialized for:

- Overhauling of Gate/Globe Valve
- Overhauling of Butterfly Valve
- Overhauling of P/V Valve
- Overhauling of Safety Valve



OFFSHORE SERVICES



FLANGE MANAGEMENT

Specialized for:

- ✓ Bolt Torquing
- ✓ Bolt Tensioning

INSITU MACHINING SERVICES

Specialized for:

- ✓ Cold Cutting
- ✓ Flange Facing



Cold Cutting



Flange Facing



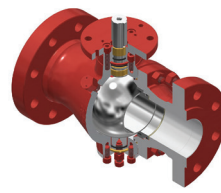
HOT OIL FLUSHING

- ✓ At SWTS Batam we provide high quality hot oil flushing services for hydraulic systems and pipelines.
- ✓ Our technical team ensures the pipelines and operating oil is clean and free from contamination
- ✓ Proper hot oil flushing is achieved with a turbulent flow Reynold's number greater than 4000
- ✓ Temperature, water content and contamination level are monitored throughout the flushing process



VALVE SERVICES

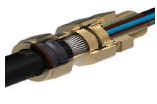
- ✓ Valve overhaul, repair, pressure test and functional test
- ✓ Valve leak test services



Valve Repair Services



Gas Booster Test Set Up



Cable Glanding



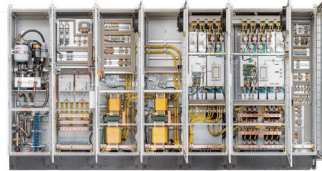
Generator Installation



Main switch board commissioning



Control panels



ELECTRICAL AND AUTOMATION SERVICES

Specialized for:

- ✓ Troubleshooting and repair of electrical and control systems
- ✓ Cable laying , glanding , termination and cable testing
- ✓ Main switch board commissioning
- ✓ Installation of generator sets and distribution boards
- ✓ Installation and commissioning of motor and its control panels
- ✓ Installation and commissioning of lighting systems

HIGH VELOCITY AIR FUEL (HVAF) COATING TECHNOLOGY



HVAF COATING

HVAF Coating is A Cost Effective Alternative for Replacing Chromium Coating with No Health Hazards, High Bonding Strength, High Corrosion Resistance and Short Turnaround Time.

HVAF COATING PROCESS

HVAF or High Velocity Air-Fuel is a thermal spray process for deposition of coatings for protection of parts, vessels and structures against wear, abrasion, erosion, and corrosion. HVAF coatings can be used as a replacement for environmentally damaging Hard Chrome



High Velocity Air-Fuel Coating Machine



Horizontal Lathe Diameter 860* Length 9000mm

Common uses:

- ✓ Chrome plating replacement
- ✓ Abrasion protection
- ✓ Erosion protection
- ✓ Corrosion protection
- ✓ Surface restoration
- ✓ Diameter build-up
- ✓ Spraying of internal diameters of pipes
- ✓ Thin layer surface alteration to prepare for other processes such as galvanization
- ✓ Surface preparation by cold or hot grit blasting

HVAF APPLICATIONS

- ✓ Hydraulic cylinder rod coating.
- ✓ Engine valve spindle reconditioning
- ✓ Engine piston rod ovality correction / reconditioning
- ✓ Hydraulic cylinder bore internal dia coating
- ✓ Centrifugal pump impeller repair
- ✓ Turbine shaft repair



Hydraulic Cylinder Rod Coating



Shaft Repair Process



Valve Spindle Reconditioning



Centrifugal Pump Impeller Repair



Turbine Shaft Repair





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