

## 'BEST FIT ENGINEERING PTE LTD'

has been established and trusted in the industry from 2015, to provide Quality, flexible and secured services of the following,

- Mechanical, Electrical & Instrumentation Engineering services
- Conceptual & Detailed Engineering Design Consultancy Services
- Plant Maintenance & Turnaround works
- Procurement & Material Management Services
- Project management Consultancy & Services
- New Construction / Modify the existing system / pipe-line
- Customized metal fabrication works
- Quality Inspection (NDT, Load Test etc.)
- Scaffolding works
- Manpower supply



# BEST FIT ENGINEERING Pte Ltd

“A company with Qualified Team to deliver a quality Job”

## Our Vision

To become the best known and preferred firm of Singapore in Plant Maintenance. **“With our well experienced team together with technology and knowledge, we will keep your plant operating all the time safe and efficient”.**



## Our Certifications

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- ISO 45001 Occupation Health and Safety
- biz Safe star – WSH Management System

## Our Detailed Expertise

### Electrical Works:

#### Testing Services:

- Functional test of starter cubicles, LCS, combined loop test with IRP panel.
- Continuity and Insulation resistance of all the LV/MV/HV cables.
- High potential test for HV cables and breakers.
- Complete set of motor testing such as insulation resistance, noise, vibration, thermal and winding resistance.
- Battery drain test {UPS Load test - Amperage, voltage drop}.



#### Cable laying works on:

- Underground, on cable ladder, Over pipe bridge, Tank top and Jetty Deck Area.

#### Cable Glanding and Termination works:

- Motors, Electrical panels/Switchgear, MOV, Switches., Transformers, Control panels and All types of electrical equipment

#### Fire alarm system:

- Design & installation of complete fire protection system.

#### PAGA system:

- Design & Installation of complete PA system with fire alarm interface.
- Installation of CCTV monitoring system.
- Design & Installation of Access control system with fire alarm interface.

#### Telephone and Data system:

- Design & Installation of complete Telephone/Data network.

#### Cathodic Protection system:

- Design & Installation of complete cathodic protection system.

#### Heat tracing system:

- Design & Installation of complete electrical heat tracing system.

### Instrumentation Works:

#### Fabrication:

- Instrument canopy, Stanchion and other mounting supports.

#### Cable support system:

- Cable ladder, tray and raceway installation.

#### Installation works:

- Transmitter, Instruments, analyzer and control room equipment Installation.

#### Tubing:

- Pneumatic impulse line and airline installations.



#### Servicing:

- Control valves, Relief valves and instruments.
- Analyzer & Sampling System Installation
- Detail Engineering of I & C System.

- Excavation and construction of cable trench
- Underground instrument duct bank construction.
- Profibus, Fieldbus and conventional system.
- Calibration of instruments.
- Cold & Hot Loop-Checking.
- Commissioning and troubleshooting of instruments to the preset parameters.
- Fire Pumps and Sprinkler System, fire Protection System, fire & gas system Service & installation.
- Establish and Commission HMI & SCADA system & Remote I/O Communication.
- Develop Data Sheet, I/O list, Loop &
- Installation Drawing, Field Location Plan. Startup and Testing Support.

### Structural Works:

- Supply, fabrication and installation of structural steel works - like pipe rack, production buildings, warehouses, technology structures.
- Structural steel erection - light, medium, heavy & modularized installations.
- Supply, fabrication and installation of roof and wall purlins, canopies, roofing, cladding, fascia, walkways etc.
- Structural steel works for A&A of various steel structure buildings.
- Strengthening of existing pipe racks/production building structure for installation of new piping/process equipment.

### Mechanical Works:

- Rotating equipment installation & Service - compressors, pumps, engines, generators, mixers, conveyors, mechanical drives.
- Static equipment installation & Service - modules, skids, vessels, tanks and column fit out, assembly and erection as per engineer and OEM specifications.
- Maintenance, debottlenecking and modification works.
- Transportable buildings, including complexing and standalone installation.

- Supply, fabrication and installation of firefighting system including sprinkler piping, fire hydrants, hose reels, water and foam monitors, dry chemical skids and dry chemical piping, CO2 fire extinguishing system, FM 200 clean agent fire extinguishing system.



### Piping Works:

- Fabrication & Installation of Piping system Including blasting & painting.
- Pipeline carbon steel main line facilities piping to AS2885 and B31.3.
- Specialized and exotic piping materials fabrication and installation including stainless steel, duplex and vacuum jacketed LNG piping down to HOPE, ceramic lined & UPVC, Specialist support services.



## Plant Maintenance & Turnaround Works:

- Pipe line modification / extension, that includes design, fabrication & installation including “tie ins”, valve, flanges & fittings replacement.
- Storage tank, pressure vessel, cooling tower, pipe line maintenance, such as deep cleaning, damaged insulation replacement, Blast & repaint / apply corrosion coatings to the required areas, repair the necessary welds and recoat to original state.
- Mechanical, Electrical & Instrumentation works to repair / replace & isolate the faulty equipment / lines.
- Furnace maintenance works (includes re-coil)
- Scaffolding works on the required locations to access for maintenance works.



## Quality Inspection:

- Non-Destructive Testing – MPI, PT, UT, UTG, PMI, Radiography, Advanced NDT- PAUT, TOFD, Tube Testing, Long range UT, Digital Radiography, drone inspection, Crawler UTG.
- API Inspection – Storage tanks, Piping & Pressure Vessel.
- ITP, WPS, PQR & WQT.
- Welding Inspection – Visual, Borescope.
- Painting / Coating Inspection.
- Lifting / Load test.

## Manpower Supply:

- Engineers / Professionals – Design, Fabrication/Production, Safety, Mechanical, E&I, Chemical, Planning, Project Management,
- QA / QC Inspectors – Fabrication, Welding, BGAS/Painting, API-Piping, Storage tank & Pressure Vessel, NACE/Coating, NDT.
- Skilled Technicians – Chemical, Mechanical, E&I.
- Supervisor / Coordinator – Project Maintenance, HSE, NDT, Scaffolding.
- Welder's & Fitters
- General Workers



## CONTACT



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