



**BOT Energy**

WE ARE COMMITTED TO EXCELLENCE

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Mabrouk Consulting and services (MC&S) is offering services and support to the different oil and gas companies in North Africa notably Libya, Algeria and Tunisia since 2007.

We are expanding our business by mounting a new Built Operate and Transfer company (BOT Energy) to better serve our customer. Our relationships with many major international oil and gas contractor and solutions provider through the innovative support we provide to the sector. Our capabilities cover all aspects of upstream, midstream and downstream operations, including onshore and offshore processing, LNG plants, oil refineries and petrochemical plant.

Our focus is to strengthen every link of the value chain for our oil and gas clients seeking new ways to optimise equipment performance, environmental safety and reliable energy supply. Engineering design, cost effective materials, installation processes, controls and lifecycle maintenance are all critical to success and key advantages of our comprehensive capabilities. The success of BOT Energy is built on our culture of safety, dedication and commitment, partnered with the leading technical skills of our people. Our services are supported by fully equipped manufacturing, mechanical and electrical workshops throughout Australia, strategically located to allow BOT Energy to respond promptly to our clients' needs.

BOT Energy capable to provide with our partner project delivery and asset management and maintenance services to the oil and gas industry both offshore and onshore.

## Quality • Integrity • Reliability



## Our Services

### ENGINEERING

- 3D steel detailing and modelling services
- Engineering design for structural, mechanical, piping and electrical/instrumentation
- Engineering, procurement and construction (EPC)
- Technology and systems integration
- Budget preparation, planning and management

### CONSTRUCTION

- Engineering, procurement and construction (EPC)
- Engineering, procurement and construction management (EPCM)
- Capital project planning and management for mechanical, electrical/instrumentation and access services
- Capital works
- Brownfield capital projects (including EPCM)
- Structural, mechanical, electrical and piping construction services
- Management of sub-contract services (access services, insulation, surface treatment)
- Installation of process modules and rotating equipment (including gas turbine generators and compressors)
- Structural, mechanical, piping and pre-commissioning services for Off-Plot Sulfinol Units and Trunkline Online Terminals for LNG

### FABRICATION

- Fabrication and installation of interconnecting piping and steelwork
- Fabrication of piping, structures, pressure vessels and tanks
- Pre-assembled and modular structures

### MANUFACTURE

- Management of module fabrication and assembly
- Assembly of skids and modules

### COMMISSIONING

- Upstream, midstream and downstream oil and gas plant equipment including LNG trains
- Utilities infrastructure including water treatment and power

### MAINTENANCE

- Mechanical and electrical equipment overhauls
- Long term maintenance services for upstream, midstream and downstream plant operations
- Maintenance services for structural works, vessels, tanks and piping
- Maintenance audits and reviews
- Managed and coordinated specialist subcontractor services
- Shutdown and execution management

### SUPPLY CHAIN & TECHNICAL SERVICES SUPPLY

- Project delivery procurement
- Maintenance parts supply
- Field support services

### REFURBISHMENT & UPGRADES

- Brownfield capital projects
- Asset upgrades
- Inspection, removal, repair, assembly and reinstatement of equipment
- Managed and coordinated specialist subcontractor services

### ASSET MANAGEMENT

- Strategic asset management
- Continuous improvement of assets through the use of Kaizen Lean Six Sigma processes
- Budget preparation, planning, management and execution services for turnarounds
- Engineering, planning, procurement, preparation and execution services for a major upgrades and shutdowns
- Turnaround planning, management and execution

### PROJECT DELIVERY & IMPLEMENTATION

- Engineering, procurement and construction management (EPCM)
- Brownfield capital projects (including EPCM)
- Engineering, procurement and construction (EPC)
- Capital works
- Planning and workflow management
- Management of sub-contract services (access services, insulation, surface treatment)
- Capital project planning and management for mechanical, electrical/instrumentation and access services
- Budget preparation, planning and management



## Packaging & Enclosures

BOT Energy takes customer supplied engine generator, engine pumps, engine compressor sets and custom designs and manufactures packages, enclosures, and power modules that meet the specific requirements and specifications of our end-user customers.

Whether its natural gas or diesel fueled, standard shipping containers, smaller trailers, weather proof or sound attenuated enclosures, mobile or skid mounted, or rental power modules, working in hazard classified or non-classified, we are ready to serve your needs. No package or enclosure is too unique, too large, or too small.

We have the capability to design and build customized production skid for both rent or sell in order to serve our customer during their development plan.



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# Power Co & Tree-generation Systems

BOT Energy provides turnkey installation of modular Combined Heat and Power (CHP) systems in convenient sizes for a variety of applications.

Each cogeneration module includes a natural gas-fueled engine, induction generator, microprocessor control panel, protective switchgear, and heat recovery equipment. Each Combined Heat and Power (CHP) module is enclosed in a sound attenuated cover and can be installed indoors or outdoors. This additional to supporting our customer on all Type of cogeneration and tree-generation solutions worldwide.



**Our Customers  
& Partners**

