

Modular Solutions

Power Generation Module

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Applications

Offshore: FLNG / FPSO / FPU, Offshore platforms
(Greenfield and Brownfield)

Onshore: Remote facilities or harsh environments requiring modular construction and delivery for power generation

Features

- Gas Turbine Generators
- Fuel gas conditioning
- E-house
- MV switchgear
- LV switchgear
- Emergency diesel generation
- Distribution boards
- Battery and charger
- Transformers
- Power management
- Waste heat recovery units

Benefits

- Easily expandable for future power upgrades
- Plug & play single lift PowerGen modules
- Many configurations with different fuel types
- Integrated electrical equipment
- Fully tested and certified for easy integration
- Offsite assembly with less on-site risk
- On time delivery with single source vendor

Selected References for Offshore BSP Champion 7 Power Generation Module



Scope of Supply

- Plug-and-play Integrated Power Generation and E-house Module
- Supply of gas turbine gen set 2xSGT400, Fuel Gas Conditioning, MV & LV Switchgear, Transformer, Battery Charger, Transformer and Power Management System
- **Dimension: 32m L x 26m D x 14m H**
- **Weight: 1018 MT**

Project Background

- Power generation and power management systems were not sufficient for growth of field
- Black outs adversely impacted production
- Extensive upgrading of the existing offshore process platform
- Platform includes living quarters for ~ 160 people, gas lift, compression and water injection facilities

Client Benefit

- On time, on budget
- Successful installation and start up
- Increased production due to zero black outs
- Reduced risk/interfaces with single source provider
- Improved life time costs & reduced operational costs



Application: Offshore Platform

Country: Brunei

Delivery Year: 2013

Client: Shell Brunei