



CONERGY

Reference Project | Off-Grid Hybrid

Oil and Gas Platforms, India

Conergy's expertise and customised solutions on renewable energy have won us a prestigious project from Oil & Natural Gas Corporation (ONGC) in India. We are engaged to be the core company for maintenance and repair of existing platforms, and to supply electricity for a total of 83 remote unmanned platforms of the Mumbai High, India largest offshore oil and gas field. Conergy has delicately formed a functioning test in order to define the scope of necessary modernisations, replacement of parts and total power supply needed to minimise cost. On top of that, two of the platforms will be installed with hybrid systems comprising of solar PV and wind generator. As this project requires skilled and diligent manpower, Conergy implemented an intensive on-site training to familiarise the project team with project locations and health and safety precautions.

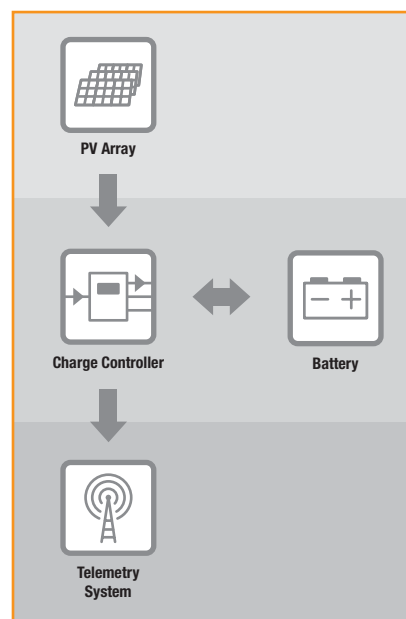


Our Solutions

- | PV system to provide uninterrupted optimal charging during daylight hours
- | Small wind turbine to be installed on two platforms to provide optimum output of power supply
- | Weather resistant equipment to provide protection from rain and lightning to minimize maintenance and replacement costs
- | Use of fire retardant cables to ensure utmost safety at all times

Benefits

- | A robust and reliable system which provides uninterrupted power supply 24/7, 365 days a year
- | Cost savings through the use of renewable energy sources solar and wind
- | Reduction of cost and materials for running cables from on-grid systems miles away from the platforms
- | Time and resource savings with the engagement of a one-stop total solutions provider



Data

Date	October 2007
Location	Mumbai High (India's largest offshore oil and gas field)
Type of System	Offshore hybrid and stand alone power system
Number of Platforms	83
Capacity	450 kWp (each platform with either 6.0 kWp or 3.5 kWp modules)
Type of Module	C167
Load	240 VDC, 400 W and 24 VDC, 250 Watts
Battery Bank	Lead-acid batteries, VRLA
Charge Controller	24, 250 Amps
Autonomy	7 Days

ONGC-PP-ENG-0712

OFF GRID HYBRID