

Our references in Energy and Oil & Gas

GE Oil & Gas for Chevron Nigeria Limited (CNL)

Escravos Gas-to-Liquids Project



Chevron Nigeria Limited (CNL) along with the Nigerian National Petroleum Company (NNPC) is constructing the 33,000 barrel per day (bpd) Escravos Gas-to-Liquids (EGTL) plant in Escravos, Nigeria (this is expected to be expanded to a 120,000bpd capacity within ten years of its completion).

With EGTL as the first project using its technology and technical expertise, Sasol Chevron (a joint venture between Sasol and Chevron) is working on the design and development of EGTL and is providing management, operating and technical services to the project owners. Sasol Chevron will also market products from EGTL.

GE Oil & Gas is supplying a total of 3No. Steam Turbine Generator sets, each rated at 37.5MVA.

End Client:	Chevron Nigeria Limited (CNL)
Site:	Escravos Gas-to-Liquids Projects (EGTL)
Country:	Niger Delta, Nigeria
Year of completion:	June 2011

Solution implemented

Generator Control, Protection & Synchronising Panels

- Actemium ICS have designed & manufactured 3No. purpose built Generator Control, Protection & Synchronising Panels for GE Oil & Gas for their 37.5MVA Steam Turbine Generator sets.
- Main Features of the Generator Control & Protection Panels include:
 - Dual Redundant GE Multilin 489 Digital Protection Relays, to include stator, bearing and air inlet/outlet RTD monitoring
 - Dual Redundant SEL-300G Digital Auxiliary Protection Relays, to include 78, 87G, 51G, etc.
 - Basler DECS200 Digital Excitation Controller and associated logic & interlocking
 - Basler BE1-25A Automatic Synchroniser, with multi-breaker control & Dead Bus feature
 - Basler BE1-25 Check Synchroniser
 - Trafolyte Mimic to permit manual and automatic synchronization of Generator CB and 2No. Tie-breakers
- Total Value of the Project: £150K

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Solutions & Services for Industry