

# Castlelost

The Castlelost Flex Gen Ltd Plant will comprise five (5no.) open cycle gas turbine (OCGT) electrical generating units, totaling approximately 275MWe (megawatts electrical), ancillary plant, buildings and infrastructure. The Plant is designed to operate intermittently and provide generating capacity during periods of high demand or when renewable energy cannot meet demand.

## Scope of work

- Project Management, PSDP & PSCS. .
- Civil Design & Construction.
- Electrical Contestable Design.
- 220kV OHL Contestable Grid Connection Works, including phase 1 Grid Cable by-pass works and phase 2 permanent grid cable connection.
- 220kV 13Bay GIS Substation.
- 3no 220/11kV Three Winding Grid Transformers.
- Installation of 5no free issue 54MW Turbine Units.
- Mechanical & Electrical BoP Design, Procure & Installation.
- Site-wide DCS Control System & CEMS Monitoring.
- Fuel Storage Tanks, with Fuel, Gas & Air distribution.
- Site-wide permanent services – Security, CCTV, Lighting, etc.
- Pre-Commissioning and Final Commissioning

Client: **Lumcloon Energy/VPI**

Start date: **March 2023**

End date: **June 2025**

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