

EMERGENCY DIESEL GENERATOR

EDG For NPP

Context

In the event of a loss of external power supply, the genset(s) are designed to restore power to the installation's critical electrical systems via backup switchboards.

Mission

- Perform design studies for Civil Works/structure, processes, mechanical, electrical and HVAC systems, fire detection and fire-fighting systems, etc.
- Define Equipment specifications,
- Develop detailed installation designs using 3D modeling tools,
- Conduct mechanical and electrical calculations,
- Perform qualification activities,
- Provide supplier follow-up and conduct factory acceptance tests,
- Draft commissioning and testing procedures,
- Supervise erection activities,
- Deliver training sessions.

Specificities

- Compliance with International and EU standards
- Application of Eurocodes
- RCC-M, ASME III subsection ND
- Client-Specific Requirements
- RCC-E, IEEE standards
- Additional standards: GHOST, YVL



Market

Nuclear

Discipline

Multi trades skills

Cycle

Revenue

500k€ < CA < XX M€

Year

Since 1995

Localisation

Design office and on site



NPP's Projects

Project	Technology	Customer	Engine	Ref.	Power
Wolsong 2/3/4	CANDU	Alstom	MAN	6 * 16PC 2.5	7 MW
Yongwang 5/6	PWR1000	Alstom	MAN	4 * 16PC 2.5	7 MW
Qinshan 2	PWR600	Alstom	MAN	5 * 16PC 2.5	6.3 MW
Qinshan 3	CANDU 6	Alstom	MAN	4 * 16PC 2.6	8.8 MW
Ling Ao 5th	PWR900	Alstom	MAN	1 * 12PC 2.6	6.6 MW
Tianwan 1/2	VVER1000	Alstom	MAN	4 * 16PA6B	5.5 MW
Kudamkulan 1/2	VVER1000	Alstom	MAN	4 * 16PA6B	6.6 MW
Tarapur	PHWR	Alstom	MAN	8 * 9PA6	3.0 MW
Lungmen 1/2	ABWR	Alstom	MAN	6 * 16PC2.5 1 * 12PC2.6B	7.6 MW 8.6 MW
Olkiluoto 3	EPR	Alstom	MAN	4 * 18PA6B	6.6 MW

Project	Technology	Customer	Engine	Ref.	Power
Flamanville 3	EPR	Alstom	MAN	4 * 12PC2.6B	8.6 MW
Hong Yan He 1/2/3/4	CPR 1000	Alstom	MAN	4 * 18PA6B	6.6 MW
Ningde 1/2/3/4	CPR 1000	Alstom	MAN	4 * 18PA6B	6.6 MW
Leningrad II	VVER1200	Alstom	Wartsil ä	W16V32	6.5 MW
Shin Kori 5/6	APR1400	Alstom	MAN	5*12 PC2.6B	8.6 MW
Taishan 1/2	EPR 1600	Alstom	MAN	8* 14PC2.6B	9.4 MW
Orano Pierrelatte	Uranyl Nitrate Reprocessing Plant	Orano	Mitsubi shi	1 * S12R-PTA	1.2 MW
Hinkley Point C 1/2	EPR	Bouygues	HHI	8 * 20H32/40V	9.3 MW