

LNG power plant

Patented all-in-one containerised cryo-gas power unit. Operational in under four hours, with no grid connection required.



Engine, generator, heat exchanger and cryogenic LNG tank are built into one container and wired as a single unit, with the LNG in a separate ISO tank.

Units and tanks combine to raise capacity, any unit hot-swaps with no downtime, and one fuel input drives power, heat and cooling together.

Approvals: CE conformity · HAZID & HAZOP · ATEX in progress · Patent WO2019092224A1 (69 countries). Best combined with 247 ERP.

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|--|--|------------------------------|---|
| < 4 hrs To full operation on site | -25% CO ₂ vs diesel | -99% NOx vs diesel | Tri-gen Power, heat and cooling |
|--|--|------------------------------|---|

GENERAL SPECIFICATIONS

| | |
|---------------------|--------------------------------------|
| Output per unit | 0.4–1.5 MWe (400–1.500 eKW) |
| Fuel | LNG (liquefied natural gas) |
| Fuel quality | 76 MN · LHV 10.3 kWh/Nm ³ |
| Output voltage | 3~ 400V/50Hz · 460V/60Hz |
| Ambient temperature | -10°C ~ +50°C |
| Thermal regime | 90°C / 70°C |
| Container formats | 20 · 40 · 45 Ft HQ |
| Enclosures | 1 unit + 1 or more ISO tanks |
| Grid / hot-swap | No grid · zero-interruption swap |
| Design & production | Benelux |

EXHAUST EMISSIONS (MG/NM³)

| Compound | Catalyst in | Catalyst out |
|--------------------------------|-------------|--------------|
| NOx | 500 | 500 |
| CO | 300 | 1.000 |
| NMHC | 75 | 150 |
| CH ₂ O formaldehyde | 40 | 60 |
| Dust particles | 20 | 20 |
| SO ₂ | 35 | 35 |

OPTIONS

- CATPAC-40 exhaust catalyst package
- SILPAC-20/40 additional noise reduction
- CHPPAC complete CHP, total efficiency > 86%
- SPPAC spare parts · ST-20/40 LNG ISO tank

ENGINEERED TO SPECIFICATION

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This datasheet defines our reference platform, not a boundary. Every unit is sized and configured to your project; electrical and thermal output, container format, fuel handling and integration scope are set with your engineering team. Units combine from a single 0.4 MWe container to multi-MW installations, made to order to perform exactly as your site and load profile demand.