

Electrical: Emergency GenSets

P-183

Design of Emergency Generator Set Installations with

- Foundation – Concrete for Ground and Steel Structure Roof Installation.
- Equi-Potential Bondage
- Oil sump and Rainwater
- Insulation Hood
- Electrical Installation
- Sound/Noise Engineering

Electrical Installation

P-Engineering design both utility PDB for Heating and Control as well as the Supply Installation in Main Electrical Switch Board.

Insulation Hood

Emergency Generators are kept at approx. 32°C year-round to be ready for operation. To reduce energy losses from the GenSet P-Engineering design Insulation Hoods with dampers and Fan for supplying fresh air and Cooling Air during operation for Canopy Solutions or Insulated Container Solutions when this is an visual applicable solution.

Operation and SCADA

To limit Training and Maintenance Operation, the Emergency Generator will be setup with e.g., Quarterly Automated Self Testing. Especially in Denmark this reduces the DS3090 implications of Commissioning.

P-Engineering uses e.g., [COMOS](#) for Electrical Engineering and SolidWorks for Detail Mechanical Design

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Generator Set in Canopy for outdoor Installation.