

Hybrid LabOriginal setup

MARINTEK Laboratory

Start of Testing: March 2014

Voltage Level: 540Vdc

Speed range: 900-1800rpm

Engines: 1 x Perkins GCD325A

1 x Perkins 2506C-E15TAG1

Generation: 1 x 400kVA UNIREC

1 x 230kVA UNIREC

Loads: 2 x 160kW ACS800

Energy Storage: 1 x 55kWh Battery

1 x 1MWs Super Capacitor







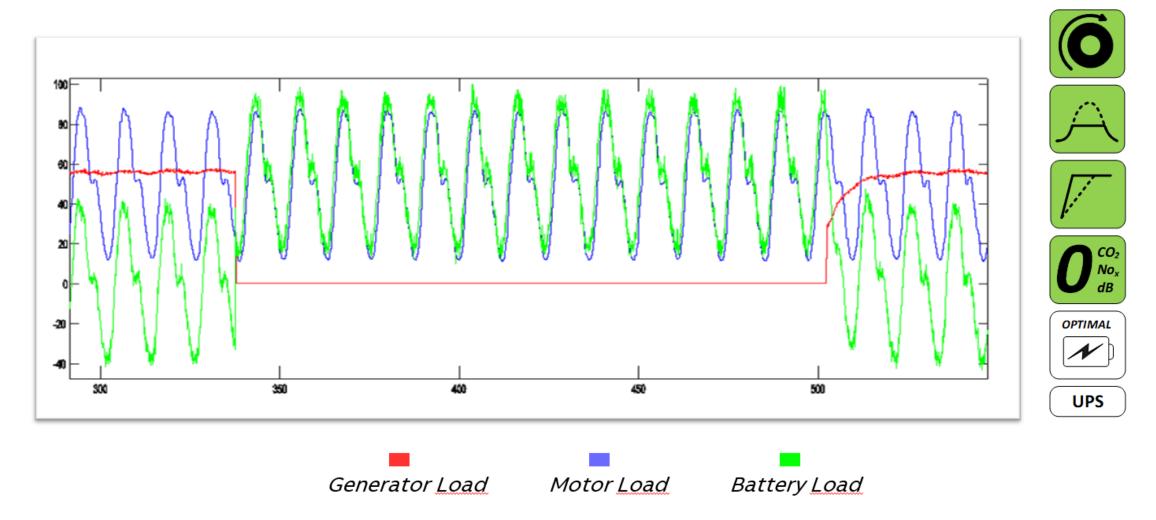






Hybrid Lab

First tests



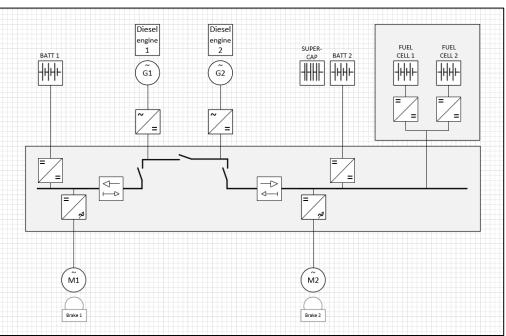


Hybrid Lab

Extension with Fuel Cells

- 2 x 30kW
 Hydrogenix Fuel
 Cell modules
- Integrated with existing hybrid lab
- Can run
 combinations of
 diesel engines,
 batteries and fuel
 cells.









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