H-Spark

To meet the increasing complexity of the yacht Power Management System comes H-Spark.

H-Spark is a high frequency data sampling that allows to analyze the problems on the electric power system and electric devices on board.

Generator power transient analysis

Heavy/intermittent load, i.e. electric thruster

WHY USING H-SPARK INTEGRATED MEASUREMENT

- → Frequency stability analysis with heavy/intermittent loads (galley, stabilizers, thruster)
- → Generator power stability analysis (load sharing, load transfer)
- → Power supply interferences (voltage spikes and drops, unbalanced and harmonic currents)
- → Electric system failure analysis
- → Generator shut-down and black-out analysis

HOW DOES IT WORK?

The data measured on the main yacht/ship devices (generators, frequency converters, thrusters, stabilizers):

- Are acquired and processed by H-Spark
- Can integrate H-Box data for a complete ship performance analysis

Typical issues of power quality