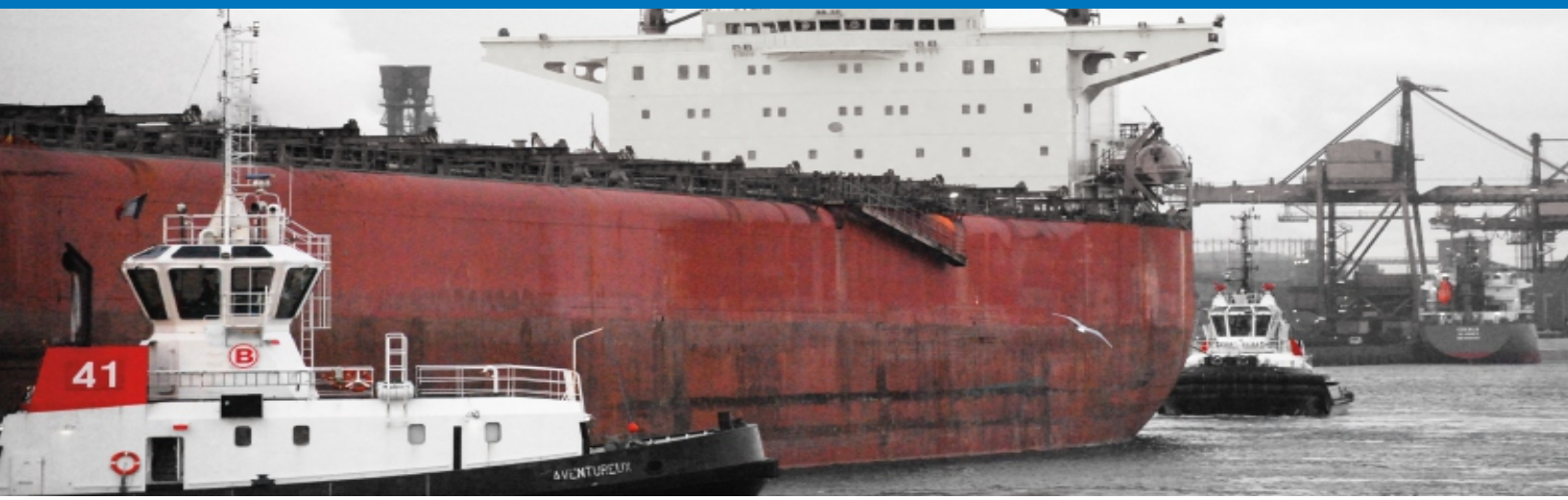
Field Test

FIELD-TESTING SOFTWARE & MODULES

PORTABLE DATA ACQUISITION SYSTEM

To process, record, display and analyze performance data



Main features

+ **No shaft modifications required**
  Minimal installation time for maximum benefits
+ **Battery operated instruments**
  Temporary solution at an affordable price
+ **High frequency acquisition mode**
  Designed for torsional vibration analysis
+ **Integrated USB Data connectivity**
  For fast set up time and low connection errors
+ **Led status indicators**
  To rapidly diagnose communication problems
+ **GPS input**
  Connect a GPS device over a RS-232 NMEA 0183
+ **Intuitive analysis Software**
  Minimize training and maximize productivity

Powerful, yet easy to use investigation tools

FieldTest is a portable data acquisition system designed specifically for the temporary measurements of torque, RPM and power. FieldTest primarily consists of data acquisition software and Acquisition Module.

FieldTest is built to work in conjunction with the Torquetrak 10K and Torquetrak Revolution measurement instruments from Binsfeld Engineering.

The FieldTest Software allows the straight forward data display from the instruments that have been integrated to the Acquisition Module.

Options include integration of up to four additional analog data signals – pressure, temperature, humidity or anemometer. An electrical power meter signal can also be integrated. For moving vehicles such as trucks and ships, GPS data can be integrated to correlate speed and distance with engine power.

Monitored data

+ **Torque**
  Using Binsfeld Engineering TT10K
+ **RPM**
  Using OpDAQ RPM magnetic sensor
+ **Power**
  Calculated from RPM and torque data

OpDAQ Systems

Field Test

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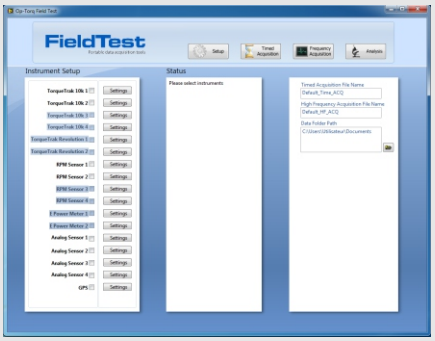
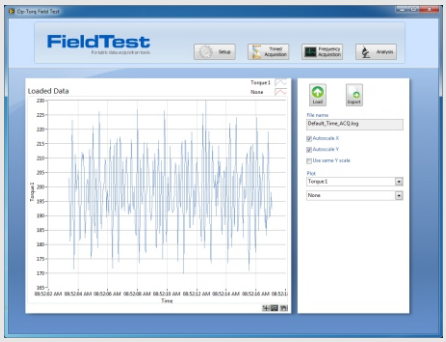
A customizable system built to meet your needs

1. Continuous / Temporary data acquisition
2. Up to 4 engines configuration
3. Magnetic / Optical RPM sensors
4. GPS integration
5. Up to 2 electrical power meters
6. Up to 4 analog input (4-20 mA)
   (pressure, temperature, humidity, wind)



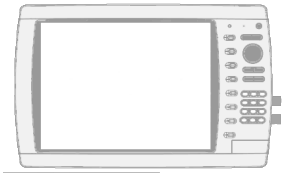
Set up screen
Shows all selected instruments



Timed acquisition screen
Displays up to 20 samples per seconds

High frequency acquisition screen
For torsional vibration analysis

Suggested system configuration



GPS signal input
NMEA 0183 signal (optional)

TT10K Torquemeter 1
Single or twin configuration

TT10-K Torquemeter 2

FieldTest Acquisition Module
Torque, RPM , GPS & Analog Inputs

RPM 1
Magnetic / optical sensor

RPM 2
Magnetic / optical sensor

Analog Input 1
Optional sensor

Analog Input 2
Optional sensor

Analog Input 3
Optional sensor

Analog Input 4
Optional sensor

GREEN MARINE PARTNER