

REMOTE ENGINE MONITORING

YOU NEED

- REAL TIME AND ACCURATE ENGINE PARAMETERS = BETTER ENGINE PERFORMANCE MONITORING
- EASIER DECISION MAKING FOR PREVENTIVE MAINTENANCE
- CONTINUOUS MONITORING PROVIDES BETTER MAINTENANCE PLANNING
- REDUCE MAINTENANCE COST AND INCREASE VESSEL OPERATIONAL EFFICIENCY

OUR SOLUTION

A user-friendly portal providing ONE-STOP marine or land base engine monitoring system.

Monitoring via:

- Brightree remote controller (Dandelion) interfacing to engine's electronic digital interface.

Data Transmission:

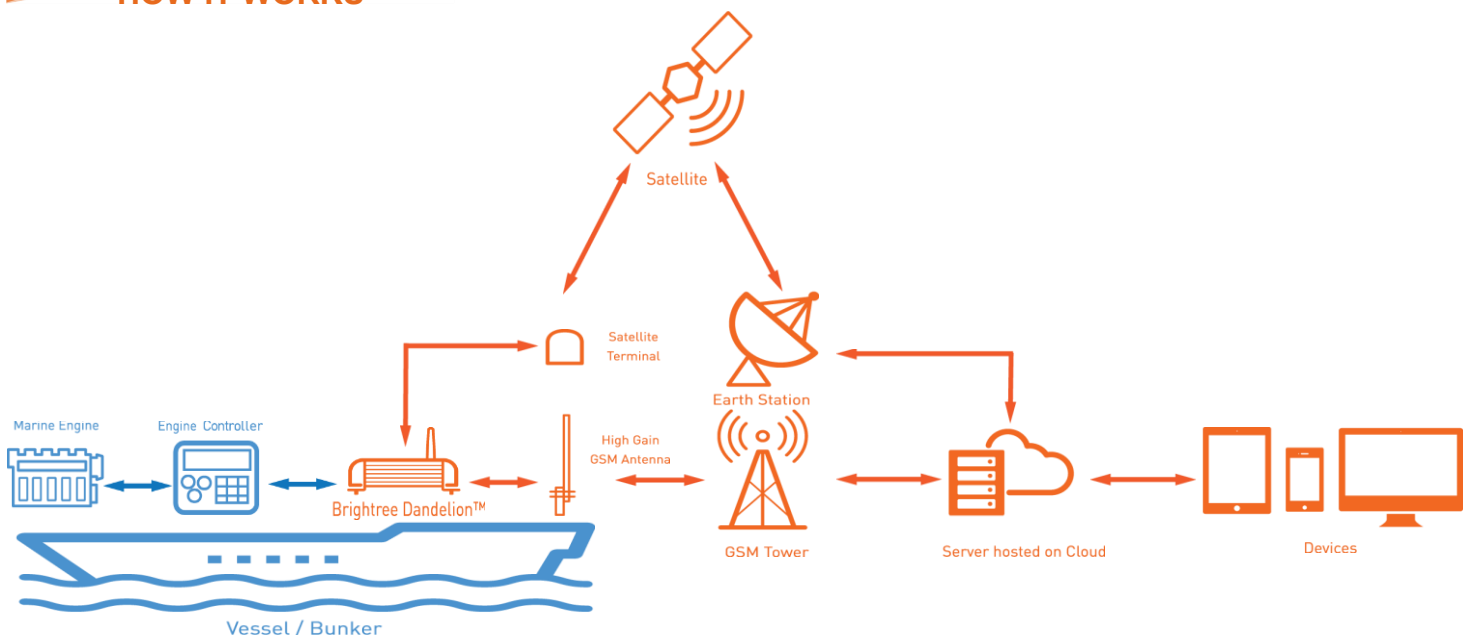
- Your existing satellite communication terminal
- SkyWave IsatData Pro (IDP)
- Inmarsat FleetBroadband
- GSM

Analysing and Presenting Information:

Brightseed Tracking Portal



HOW IT WORKS



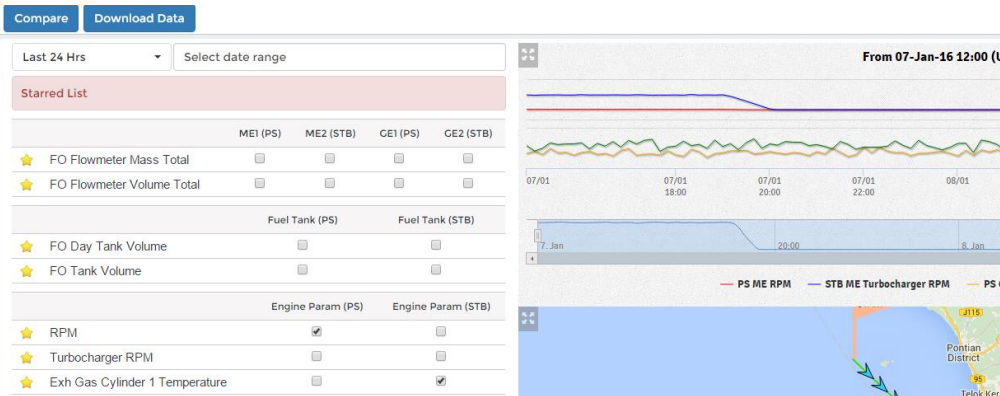
BRIGHTSEED TRACKING PORTAL



Engine Param (PS)			Engine Param (STB)		
SENSOR NAME	CURRENT	SAMPLED TIME	SENSOR NAME	CURRENT	SAMPLED TIME
PS ME RPM	0	08-Jan-16 11:20 SGT	STB ME RPM	0	08-Jan-16 11:20 SGT
PS ME Turbocharger RPM	0	08-Jan-16 11:20 SGT	STB ME Turbocharger RPM	0	08-Jan-16 11:20 SGT
PS ME Exh Gas Cylinder 1 Temperature	37.3 °C	08-Jan-16 11:20 SGT	STB ME Exh Gas Cylinder 1 Temperature	38.4 °C	08-Jan-16 11:20 SGT
PS ME Exh Gas Cylinder 2 Temperature	38.2 °C	08-Jan-16 11:20 SGT	STB ME Exh Gas Cylinder 2 Temperature	37.6 °C	08-Jan-16 11:20 SGT

Generator Param (PS)			Generator Param (STB)		
SENSOR NAME	CURRENT	SAMPLED TIME	SENSOR NAME	CURRENT	SAMPLED TIME
PS GE RPM	819.5	08-Jan-16 11:20 SGT	STB GE RPM	796.3	08-Jan-16 11:20 SGT
PS GE Thrust Bearing Temperature	60.4 °C	08-Jan-16 11:20 SGT	STB GE Thrust Bearing Temperature	61.4 °C	08-Jan-16 11:20 SGT
PS GE Shaft Bearing Temperature	59.7 °C	08-Jan-16 11:20 SGT	STB GE Shaft Bearing Temperature	60.1 °C	08-Jan-16 11:20 SGT
PS GE Lub Oil Temperature	90.4 °C	08-Jan-16 11:20 SGT	STB GE Lub Oil Temperature	88.8 °C	08-Jan-16 11:20 SGT

Overview of engine parameter status



Compare sensor data, view corresponding graph and download data

KEY FUNCTIONS!

- ✓ Real time engine remote monitoring
- ✓ Historical data repository
- ✓ Engine performance trend analysis
- ✓ Analysis of engine data using formulas provided by customer
- ✓ Data sent either on fixed interval or on demand from onshore office
- ✓ Alert triggering. Alert can be sent using SMS or email
- ✓ Lower cost by using existing on board equipment where possible
- ✓ Better scheduling of preventive maintenance of engines
- ✓ Mismatch in fuel consumption data with engine parameters to indicate abnormal condition/lower engine efficiency

FIND OUT MORE

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Marine Asset Tracking



Marine Bunker & Fuel Consumption Monitoring



Fuel Truck Monitoring