Web API

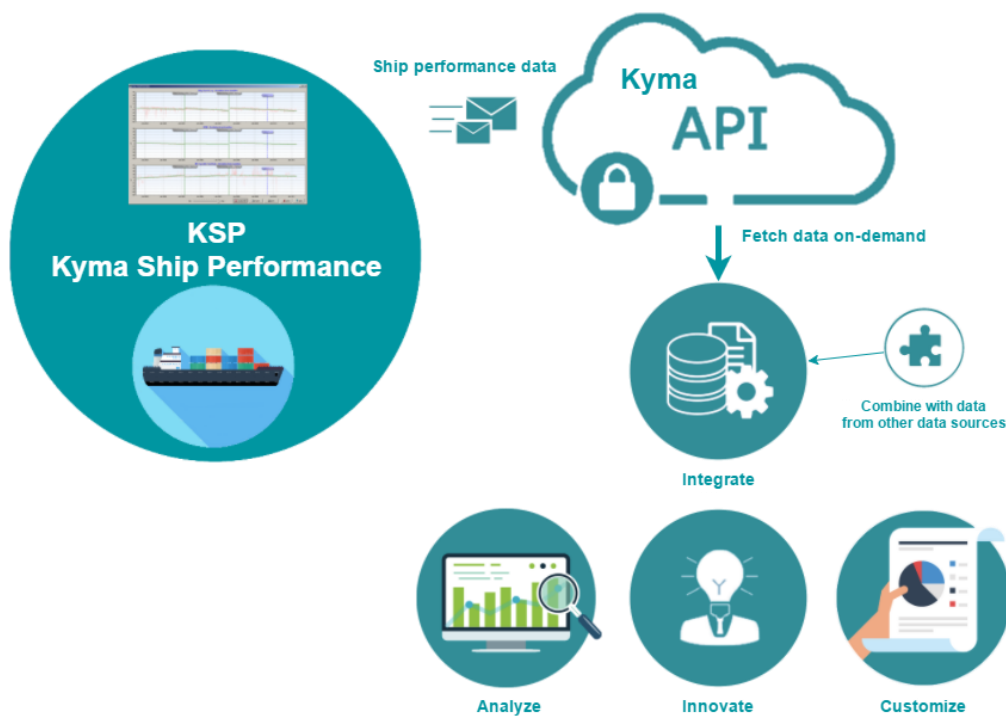## for
Kyma Ship Performance

The Kyma WEB-API provides an interface between the customer's own computer systems and the 'Kyma Cloud' which is a repository for the raw logging data received from the Kyma Ship Performance System on-board their vessels.

The WEB-API will provide a secure automatic transfer of the selected data to the customers own computer system.

The data available from the Kyma Ship Performance System on-board is collected from various sources, for example shaft torque, power, RPM, fuel flow, speed log, GPS-data, wind, draft, rudder angle along with any selected vessel-specific inputs and performance metrics calculated by the on-board system such as Specific fuel oil consumption.

The data can naturally be combined with data from other data sources within the customer own data system.

Additional information

The API is provided to allow our customers computer systems on-line access to 'raw' vessel data in order that they can perform any required further analysis and report production. There is no capability to access the 'ready-analyzed' tables, diagrams and reports that would be generated by the Kyma KSP Online product.
The API allows the data to be accessed from within the customer's own software systems.

The minimum requirements to be able to use the Kyma WEB-API are:

- Kyma KSP software 8.9 on each vessel
- Kyma Agent software enabled on each vessel
- The computer needs to be connected in the vessel network with access to the vessel's mail-server
- Each vessel needs to be periodically online to send the necessary file/data from the mail server to the "Kyma Cloud"
- The customer's data system needs to be set up to collect the data, via the WEB-API interface, from the "Kyma Cloud"

The Kyma KSP software on-board the vessel has a typical logging rate of 1 data point every 15 sec.