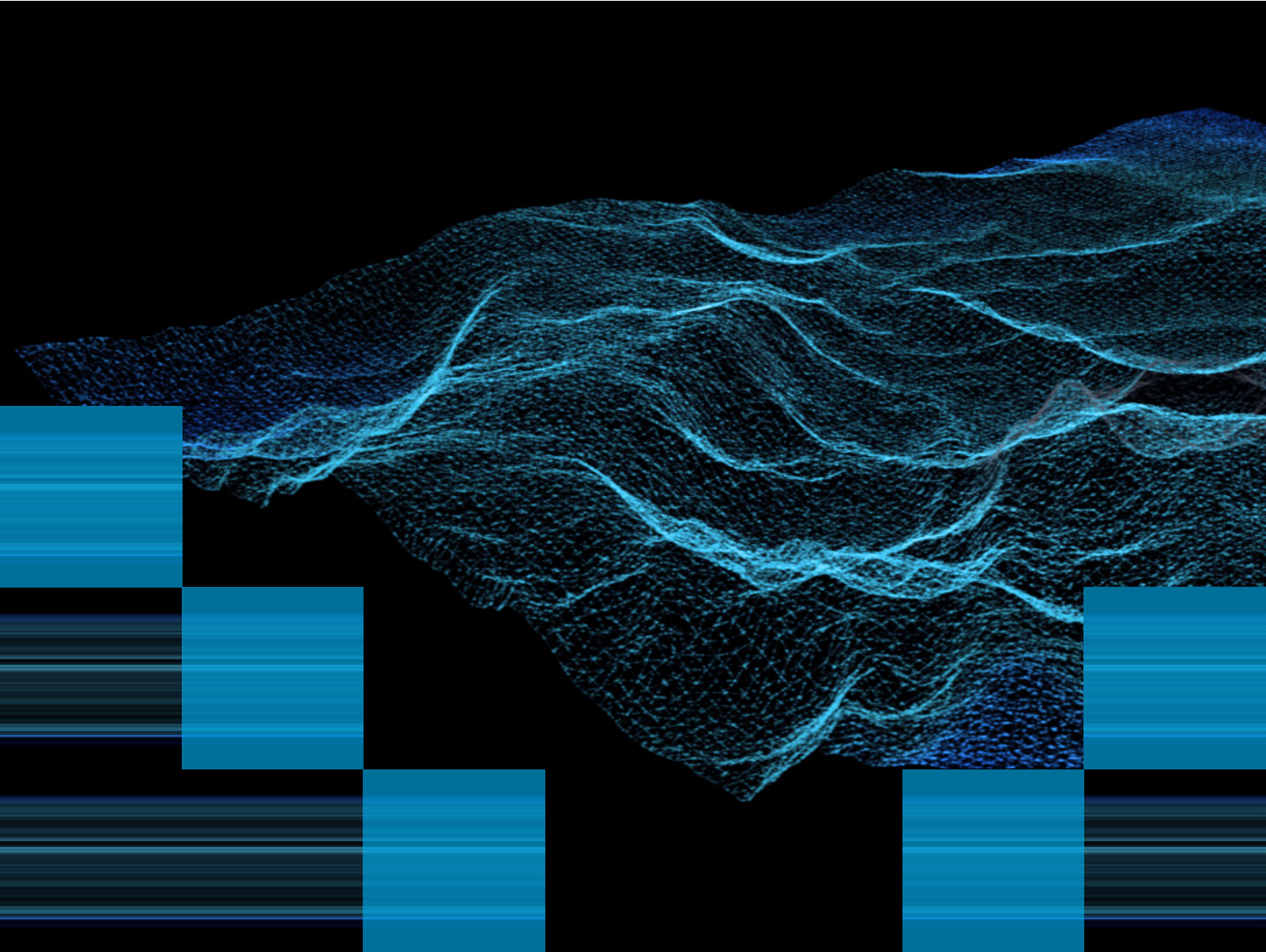# prediktor

EDGE IIOT GATEWAY

CONNECTING YOUR ASSETS TO THE CLOUD
COLLECT ANY TYPE OF DATA AND CONNECT TO THE CLOUD

Industrial IOT or Cloud solutions bring many opportunities for optimizing industrial performance through advanced analysis solutions while at the same time enabling companies to reduce their operational costs. The task of bringing data from existing installations to the Cloud can however be daunting. Assets can use a wide variety of different communication protocols, the network may be unreliable so that data must be buffered locally and data must often be cleaned before sending it into the cloud The EDGE Industrial IOT Gateway solves these problems and enables building effective Industrial IOT applications quickly and easily.

Data Collection
With EDGE it's easy to collect data from any asset using standard automation protocols like Classic OPC, OPC UA, WITS0, WITSML or Modbus.
Data can also be collected from other sources as for an example text files or SQL/ODBC sources.
Collected data is also stored in an on-premise high-performance event- and time-series database with a configurable horizon.

Data Validation
Key to all real-time applications is the integrity of the data coming in (garbage in = garbage out). The gateway has an inherent data-validation feature that will work on all incoming data and validate, or filter based on quality, range check, rate of change or watchdog.

Cloud Connection
The EDGE Industrial IOT Gateway has robust mechanisms for ensuring all collected data are transmitted to the cloud. Whenever there are any network or service outages, the gateway ensures re-transmission of the data in the same sequence as collected. The gateway may even be configured to receive data from the cloud that can then be written back to devices.
Supported cloud protocols include: AMQP • MQTT • UA Pub-Sub

INDUSTRIAL IOT GATEWAY

DATA COLLECTION

DATA DEVICES

THE EDGE INDUSTRIAL IT PLATFORM

VISUALIZE

PROCESS

CONNECT

STORE

Partners
Prediktor has worked with Original Equipment Manufacturer (OEM) and Value-Added Reseller (VAR) partners since 1997 and continue our dedicated support to these partners with flexible programs that are specifically tailored to address our partners' varying needs. As a Prediktor partner, you will get the following benefits:

• Access to world-leading real-time software that adds great value to your existing products or enables your company to create completely new applications allowing you to reach entirely new markets.
• A partnership with a company with strong expertise within realtime solutions, time-series databases, multivariate data analysis and real-time mathematical prediction models.

• Cooperation with personnel with strong technical experience within Oil & Gas, Maritime and Manufacturing.
• Strategic business benefits such as co-marketing, pre-sales and after-sales support. We can offer our partners direct access to software developers.
• Flexible licensing models that can be adapted to fit your business models

Prediktor offers a complete real-time Industrial IT platform, EDGE, which enables partners and customers to: Connect, Store, Process, and Understand data and information in real-time. Examples of areas where our software can be an ideal choice and we have proven references are:

• Real-time applications using mathematical models
• Large scale connectivity and logging applications
• Data connection though OPC UA enabling of existing technology
We also offer business models where we can develop new components or add functionality as to our existing software platform. We can customize any component at our partners' request, thereby guaranteeing that our products are a 100 % match to our partners' needs.

www.prediktor.no