

# SUCCESS STORY

## Machine Data Logging

Boost the productivity of a company's existing machine park?

No problem with the Plug&Log Box from trendlog.io whose centrepiece is a RevPi Core. We show you how the Danish company uses our RevPi Core for their retrofit solution.

The Danish company trendlog.io's solution provides easy access to machine data, empowering companies to increase productivity with their existing machinery.

Their cloud-based solution enables companies to collect and visualize important data e.g. from production lines, palletizers, warehouses, and more, and instantly gain insight into their operations and efficiency.

### The Plug&Log Box

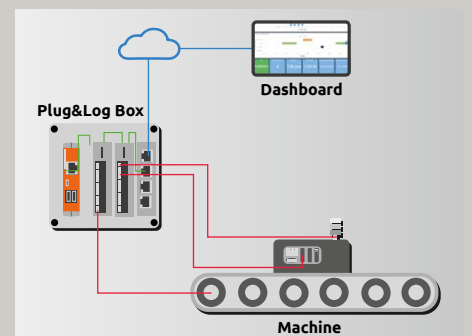
In terms of hardware technology, trendlog.io uses the RevPi Core and installs it as the central processing unit in its so-called "Plug&Log Box".

trendlog.io has provided the RevPi Core with its own software image, so that the setup of the device and the connection to the cloud can be done directly by the customer without any special previous knowledge within a very short time. Instead of connecting the sensors via the RevPi expansion modules, trendlog.io has chosen to use remote I/O expansion modules from Moxa which are connected decentrally in a daisy chain topology.

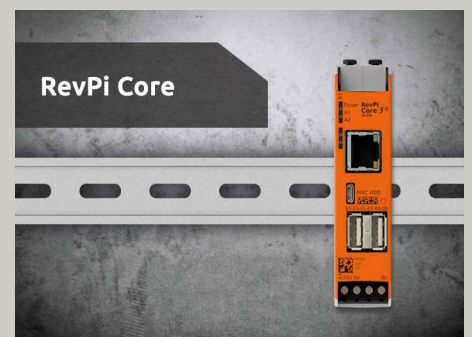
The I/O modules communicate with the RevPi via the Ethernet interface using Modbus TCP.

The collected machine data is preprocessed by the RevPi Core and then sent to the cloud where it can be displayed on a browser-based dashboard configured according to the customer's needs. But real-time data visualization is just the first step in optimizing the productivity. The continuous monitoring of machine data helps to predict, plan and execute machine maintenance needs.

Furthermore, by registering and categorizing production errors, it helps to prevent future downtime, thereby increasing the capacity of the machines.



### Module used



## REVOLUTION PI

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