

ODiN

Data Collection



Sensors and IoT Gateway

As a smart solution for Industry 4.0, ODiN requires various different software and hardware components in order to be able to collect, process and analyze data. The sensor technology and the DAQ box (DAQ = data acquisition) are in particular crucial for the collection of data. Parameters such as pressure, temperature, tank level, oil cleanliness, flow and current can be measured with the help of our customized, application-specific sensor packages. The sensors connected to the unit being monitored capture the necessary data and send them to the IOT gateway. There are two DAQs to choose from here: whilst both have a sampling rate of 1 kHz, they have a different number of possible inputs. As such, depending on the number of sensor connections, we will recommend either the gateway with 24 or the gateway with 56 analog current inputs. Preprocessing is carried out in the IoT gateway whereupon the data are sent to the cloud via an external router.

5 REASONS FOR ODiN

- ▶ Individual sensor solutions
- ▶ Setting an optimal maintenance period
- ▶ Improved planning of maintenance operations
- ▶ Utilization of the maximum service life of components
- ▶ Increase of productivity