

Project description

Connection of an existing production machine to the customer network

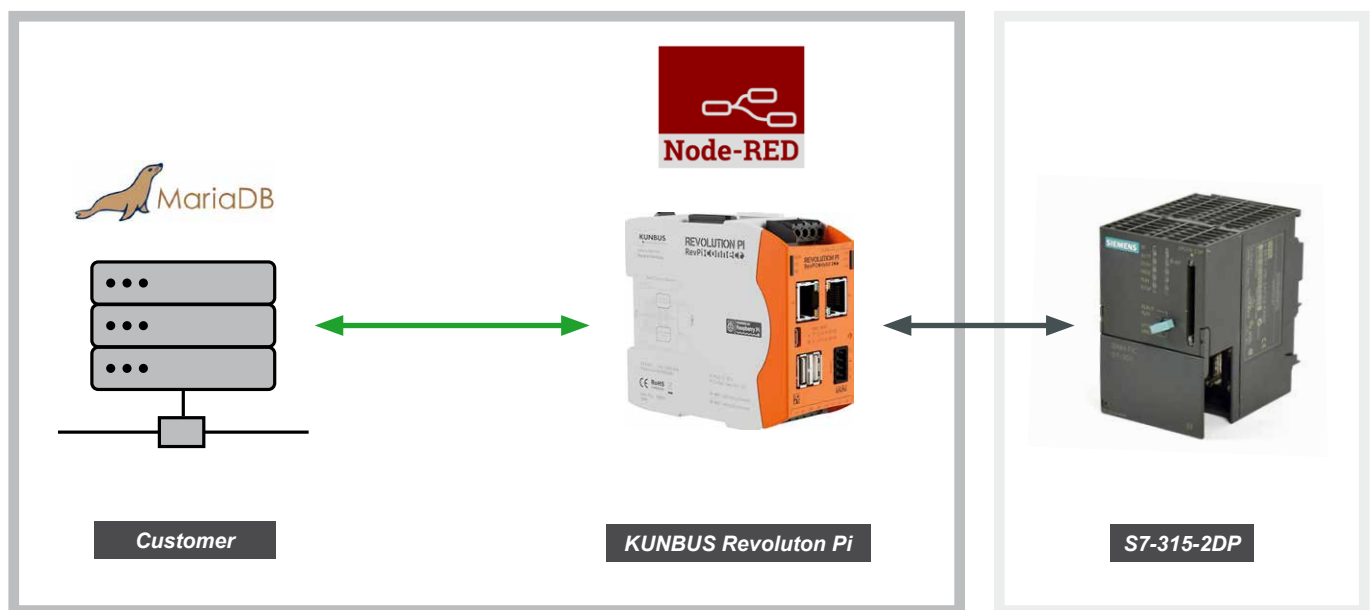


Task:

The retrieval of setpoints from an already existing job database.

The existing production plant separates bar material into shorter workpieces according to the end customer's requirements. The raw material can have a range of properties. Until now, the end product parameters stored in the customer's order management system had to be printed out for each order and were then entered manually into the separation system by the operator. Due to the number of parameters involved, this could lead to incorrect entries and increased reject numbers.

An analysis performed jointly with the customer showed that all data is available in a MariaDB database on the customer's server.



Our solution concept:

- Minimal modifications to the existing machine
Connection of the **KUNBUS Revolution Pi** to the existing Siemens S7-315-2DP via PROFIBUS
- Installation of a **development tool** that creates a connection to the customer's database for communication and data handling purposes

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Result:

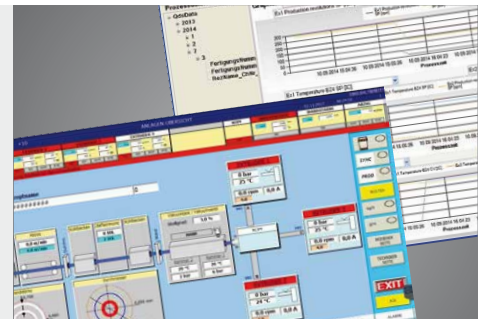
- ✓ The cutting machine automatically receives the relevant setpoints.
- ✓ The process can be started simply by acknowledging a corresponding message on the control panel.
- ✓ The machine automatically updates the customer's database. As a result, the order management system is always kept up to date, including in relation to already produced parts.
- ✓ Thanks to the modular design, the newly created application can also be installed on other production machines with minimal effort.

Our scope of services:

- Construction and planning
- Creation of AutoCAD drawings (EPLAN 8 incl. Fluid / WSCAD / ELCAD)
- Plant production
- Control system equipment
- Commissioning up to the handover to production
- Employee training and operator instruction
- Complete documentation
- CE certification

Everything from a single source

As a subsidiary of the **PütZ Group**, we offer more than just process automation. The joint development of ten mechanical and plant engineering companies to date has produced **synergy effects** that benefit our customers.



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