

**Topic**

PI connection to SimpleSystems Webshop

**Customer**

Elster GmbH

**Task**

Going forward at Elster GmbH, purchase orders for incidentals (bulk material or small tools) should be processed via SimpleSystems' online shop. The communication between the SAP ERP systems and the Webshop should happen through SAP Process Integration (PI).

**Implementation**

This project provided convenient purchase order processing in the Webshop with all the functions a modern internet platform offers, as well as immediately updating documents created in the customer's own SAP ERP system.

If a purchase order in SimpleSystems is created, an email is automatically sent to a specific address with the data supplied as an XML attachment.

With the help of email adapters from SAP PI, these purchase orders are collected and, to avoid double processing, deleted.

Since the data in the online shop aren't available in a reprocessable format within SAP PI, it was largely enhanced with the integration of a JAVA module so that certain parts of the XML file were deleted, or converted as the case may be.

If the data are in the PI they will be transmitted via the receiver determination to the SAP ERP system. This connection will be established by RFC (Remote Function Call). For this purpose, mappings were created for the XML data at the interface of the SAP function module and an RFC communications channel was made to the ERP system.