

## **International project course in Automatic Control, FRT100**

### **Problem formulation - spring 2012**

**4,5 ects**

As of 2012

#### **Optimization of the process chain from order to delivery for customized control cabinets**

Kardex Remstar is one of the world's leading suppliers of automated storage and retrieval solutions. The construction site in Bellheim, Germany, is producing material handling systems including vertical and horizontal solutions.

Their control cabinets are part of their material handling solutions. There are two configurations at time: Standard and customized. The customized control cabinets are produced at a department called "Special Manufacturing". This department has been completely rebuilt and a standardized work flow was not implemented yet.

There are two tasks to focus on:

1. An optimization of the data workflow, which includes the reduction of redundant data, better data maintenance, less exceeded components, etc.
2. Improvements on the handling of the heavy weighted mounting panel in the production department.