



## case: Stora Enso



### **Ensuring handling and sorting capacity of paper rolls, pallets and transportation between paper mill and terminals.**

Stora Enso Veitsiluoto has increased their production of fine paper. Furthermore they are planning to invest in a new sheet cutter. To ensure the sufficient capacity of the pallet/roll handling and transportation system a strategic study was made by SW-Development.

The process consists of pallet/roll handling, sorting and transportation to warehouses. The handling and sorting is performed by conveyors, AGV:s and elevators. Trucks are used for pallet and roll transportation to warehouses.

SW-Development investigated the capacity of the system by use of dynamic simulation, varying the input by adding a sheet cutter and optimizing the system. Bottlenecks were detected and the optimal functionality of the system was found. A more in-depth investigation was made regarding the shared resources such as the trucks transportation to the warehouses.

Project manager: "Dynamic simulation and optimization is a powerful tool for ensuring our investment and helped us to make decisions regarding control methods."

#### More Information:

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#### **Stora Enso**

Stora Enso is an integrated paper, packaging and forest products company, producing publication and fine paper, packaging board and wood products – all areas in which the Group is a global market leader. Stora Enso's sales totalled EUR 14.6 billion in 2006. The Group has some 44 000 employees in more than 40 countries on five continents.