

APPLICATION STORY OF AN MPL PRODUCT

Remote control of raw material transportation with a Bulldozer

Aker Elektro is a system integrator of electrical and automatic control equipment for the industrial market, oil and gas activity, marine applications, and energy market. Aker Elektro's slogan "optimal solutions – through combined competence" implies an urge to work in team with the customer to find the best methods and products for the customer projects.

Application

The raw material transportation system consists of transporting belts and silos that are controlled by the driver of the Bulldozer. The Bulldozer is equipped with PIP5-2 Industrial PC from MPL. The Industrial PC runs Windows NT4.0 and an application SW called "InTouch" which communicates with the central control system a PLC via a radio link.

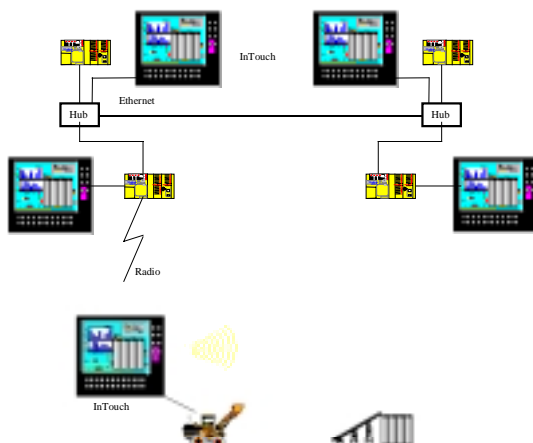
At the Industrial PC monitor the driver has access to necessary information about actual and desired silo levels, he can start and stop transporting belts, and supervise the complete system straight from the Bulldozer.

Reasons for using MPL products

- The Industrial PC PIP5-2 from MPL is robust enough to be placed direct in the cabin of the Bulldozer.
- It has a suitable power supply voltage level as well as a low power consumption.
- The compactness and small physical size of the computer makes it possible to install inside the Bulldozer cabin.



Block diagram of System



MPL products used

- PIP5-2 with Windows NT 4.0
- 224MB IDE-Flash Drive
- 32MB SDRAM