

## PM9 CONTAINER BOARD MACHINE MCS CONTROL UPGRADE



### PROJECT DESCRIPTION

Nordmin Group of Companies worked closely with Smurfit Kappa Townsend Hook on the PM9 ABB 800xA machine control system (MCS) upgrade to increase machine uptime by mitigating incidents, improving diagnostics and improving operational strategies.

Nordmin provided detailed engineering, software development, commissioning and start-up for this project.

The project was broken up into five (5) phases. Phase 1 included a rigorous audit of the existing MCS and preparation of a detailed GAP analysis comparing the MCS to industry standard practices. Phase 2 included a logic controls hazards and operability study (HAZOP) in which the GAP was scrutinized with engineering, operations and papermaking specialists and risk (safety, equipment damage, downtime) levels were allocated. Phase 3 included field installation designs for additional hardware required, programming logic updates, programming first-up displays and MCS alarms and events. Phase 4 included internal factory acceptance testing (iFAT) and factory acceptance testing (FAT) with the client. Phase 5 included implementation on site and completing the thorough testing of all the updates.

Nordmin also completed implementation of various advanced development projects including doctor beams/blades, high run blow boxes, fabric cleaners, various showers, cleaning devices and a new pick-up roll.

### PROJECT SUMMARY

<b>Name</b>	PM9 Container Board Machine MCS Control Upgrade
<b>Location</b>	Townsend Hook, Snodland, UK
<b>Client</b>	Smurfit Kappa Townsend Hook
<b>Type</b>	Engineering

