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AUTOMATION TECHNOLOGY **ENGINEERING** INDUSTRIAL TRADE INDUSTRIAL SERVICE TECHNICS

REFERENCE

Control systems

Implementation of integrated control system of sawmill line



CLIENT:

LLC Ukrainian Sawmills
Stepanska Str., 9, Kostopil,
Rivne Region, 35000 Ukraine



PROJECT COMPLETED BY:

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COMMISSION:

Delivery, integration and implementation
of sawmill line: log sorting, debarking, sawline,
edging, green and dry sorting

Execution: 2017

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When you order engineering services from Blumenbecker you get solutions that are tailored to meet your individual needs. We can supply the full range of automation equipment on a vendor-neutral basis. The broad-based expertise of our specialist staff means that we can provide answers to practically any question you may have on the design and production of new installations and on upgrades and refits for existing systems. We will work closely with you in delivering a wide range of services, including project implementation, project management from quotation through to handover, hardware and software planning, commissioning, shift attendance and support – and all from a single source.

THE CLIENT

■ USM is a leading producer of high-quality redwood sawn goods in Ukraine. Company is processing FSC-certified pine sawlogs from sustainable and renewable forests in Northern Ukraine. The sawmill is equipped with modern Scandinavian sawmilling, kilndrying and quality-solting technology, which enables production of high-quality sawn goods for delivery to the clients worldwide

BENEFITS

■ Creation of newly designed integrated control and power distribution systems, which includes digital field and cabinet device, assure customer's confidence throughout the years of reliable operation ahead. Built-in modern technologies help steadily increase efficiency, functionality and expand technological process in the future. Combined with user-friendly process visualization and remote control using workstations decrease requirements for operation and maintenance personnel, simplify technical support and lower downtime.





TASK

Complete design, commissioning of new integrated control and power distribution systems. Integrated control system provides automatic setup of the process line depending on a batch order and keep maximal performance. KPI input data, downtime and other statistics is constantly provided to customer's external databases using SCADA application of the system. Integrated control system also has necessary functions for interaction with log/board scanners and tagging printers. Together with advanced built-in diagnostic tools for control and power equipment such design creates a comprehensive solution for high-productivity sawlines.



Main units of the system:

PLC and RTU devices:	48 pcs
SCADA and HMI workstations:	15 pcs
Cabinets and consoles:	121 pcs
Frequency converters and softstarters:	196 pcs
Safety devices:	262 pcs

Technical details:

System efficiency:	300 000 m3/year
Max log/board length:	6.0 m
Board types:	72 units
Operation modes:	setup, manual, auto

WE LOOK FORWARD TO
HEARING FROM YOU.