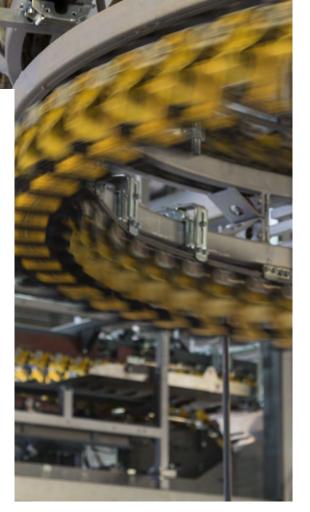**FACTORY AUTOMATION**

OPTIMIZING HEAVY DATA TRANSMISSION
with 10G CONNECTIVITY

Paper Mills have the drive to maximize the production of wood products while minimizing defects. High-speed laser sensors and machine vision optics are used in this process to provide imaging-based automatic inspection and analysis for such applications as automatic inspection and process control. As higher resolution image sensors and increasing inspection efficiency require large amounts of data to be transferred between the camera and processor, significant bandwidth and connectivity between various lumber systems are essential for a reliable OT network. Antaira offered the *LNP-1002G-10G-SFP-24* industrial 10GbE PoE switch, which supports 10G connectivity and low-voltage input to deliver power and data for optimizing operational efficiency on the factory floor.

APPLICATION REQUIREMENT

1. Aggregate multiple 1G devices from multiple lumber instruments into a 10G data stream
2. Connectivity devices have to withstand vibration in a harsh environment with continual operation
3. Combination of copper and fiber ethernet devices

RELATED PRODUCT

10 Gigabit PoE Switches - Low Voltage (12-36V DC)

LNP-1002G-10G-SFP-24 ↗
10-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch

LNP-1204G-10G-SFP-24 ↗
12-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch

M12 Managed PoE Switches - Low Voltage (12-36V DC)

LMP-1802G-M12-10G-SFP-67-24(-T) ↗
18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch

— Ethernet
— PoE