

# INTERNATIONAL PAPER – PAPER MACHINE PRODUCTIVITY IMPROVEMENTS



**CLIENT**  
International Paper  
Company



**LOCATION**  
Springfield, OR



**TIMELINE**  
2015 - 2017



**DIVISION**  
Construction, Controls  
& Engineering



**VALUE**  
\$6,250,000

## HIGHLIGHTS

- No lost time, injuries or accidents
- All work completed on or ahead of time and under budget
- Over 60 personnel worked safely 24/7 during a 5-week shutdown

## OVERVIEW

Olsson Industrial Electric served as the lead electrical and controls contractor for a >\$100M capital improvement project, increasing production capacity by more than 40,000 tons of t per year. The Olsson construction management team worked hand-in-hand with the customer to plan and execute a complex construction sequence, maximize pre-outage construction opportunities, streamline the outage construction schedule, and minimize overtime costs. Installation, testing and commissioning was handled by a robust team of experienced Olsson electricians and controls technicians. Featuring more than 60 on-site during critical outages, the Olsson team completed this project with craftsman quality and zero safety incidents.

## SCOPE

- Extensive demo of existing systems. Installed, checked out, and commissioned the following items:
  - One 4600 13 K/600 V transformer, two 1250 HP VFDs, one 450 HP VFD, and several smaller VFDs
  - Extensive temporary power upgrades (MCCs to be used for temporary power during outages)
  - New boiler port rodgers, gas skids and start burners; New roll handling system; New winder safety system
  - Thirty-five PLCs and control panels built in-house by our UL-508 panel shop and installed on site
  - Numerous process control instruments
- 1,200 feet of cable tray, 34,000 feet of conduit and 280,000 feet of cabling
- Engineering/project management for cable pull calcs, labor forecasting, work sequencing, etc.
- One engineer specifically dedicated to recovery boiler commissioning