

## Project examples

### Weyerhaeuser Company

- 250,000 PPH package boiler
- Petroleum-coke system design
- Salt cake conveying system
- Process control and electrical record drawings – mill-wide
- Hazardous non-condensable gas collection system and incineration system design
- Lime kiln modifications
- CVBL rail unloading and storage tank design
- Recovery boiler structural rehabilitation
- Uno-run antiblow box system
- Reel spool starter design
- Felt shower water heater installation
- Krofta relocation
- Lime kiln structures
- New power boiler
- Fire pump relocation
- Recovery control room
- Power house demo
- Ceiling replacement over #2 PM
- Paper roll handling

### Boise Cascade Corporation

- Piping and structural design for new decker installation
- O<sub>2</sub> bleaching instrumentation

### North Pacific Paper

- Sodium aluminate system
- Bauer reject press project

### Confidential Client

- Brown stock washer improvement and structural design
- Control console modifications
- Paper machine lube oil system
- High-pressure shower design
- Calendar drive modification
- Recovery boiler superheater and economizer replacement

### International Paper

- Chip truck dumper and chip outstocking conveyors
- Woodyard and recovery area electrical & controls design
- Complete mill corrosion inspection and managed painting contractor
- Control room design – three-story

### Pope & Talbot Inc.

- New recaust system engineering
- Electrical power system audit
- Continuous on-site engineering
- NCG system design
- White liquor heater installation
- Secondary screening stage cleaners
- High temperature peroxide bleaching
- Feed water delivery modernization

### Potlatch Corporation

- Oxygen bleaching controls and instrumentation
- Slaker design and installation supervision
- Washer drum replacement field engineering

### Willamette Industries

- Building assessment
- Digester field system modification

### Smurfit-Stone Container

- Three washer drum replacement projects and two in-place rebuilds
- Sulfuric acid system changes
- Slaker replacement
- Power boiler fuel system upgrade

### Chip Uniformity Projects

- Weyerhaeuser Co. – Springfield, Oregon
- Mead Paper – Escanaba, Michigan
- Scott Paper Co. – Mobile, Alabama
- Kimberly-Clark – Nova Scotia, Canada
- Fort James – Pennington, Alabama
- Boise Cascade – Steilacoom, Wash.
- Potlatch – Lewiston, Idaho

