CASE STUDY

A plywood manufacturer with 15 daylight and 16 daylight capacity heating and cooling press in North India

Problem

- Frequent blowdown during heating cycle causing major loss of live steam to the cooling tower
- High heating time due to condensate logging in the press

Objective

- To eliminate loss of steam due to manual operation of the steam and cooling water valves
- To eliminate the issue of condensate logging

Solution

- Detailed plant study by Forbes Marshall to assess current losses and potential savings in the steam line of the system
- Installation of Forbes Marshall's plattenMAC automation package for heating and cooling presses

Benefits

- Manual operation of bypass valves eliminated
- Automatic separation of condensate and cooling water
- Reduction in live steam loss
- Optimum condensate recovery
- 7 minutes reduction in heating time due to proper trapping system
- Improved productivity due to Improved performance of the heating-cooling presses : number of batches increased to 38/day from 32/day