

# CASE STUDY

A plant in North India with 20 daylight heating-cooling press system manufacturing plywood, block boards and flush doors



## Problem

- Manual intervention to operate the steam and cooling water valves
- Major loss of live steam due to frequent blowdown during heating cycles
- High heating time, wastage of energy and reduced productivity due to condensate logging

## Objective

To eliminate live steam losses and improve productivity

## Solution

- Installation of Forbes Marshall's plattenMAC automation package for heating and cooling presses
- Installation of proper trapping system and condensate recovery system

## Benefits

- Manual intervention eliminated
- Automation of the cooling presses helped prevent wastage and losses, and improved productivity
- 60% reduction in heating cycle time with improved condensate recovery directly to feedwater tank
- Automatic separation of condensate and cooling water
- Improved productivity
- Saving of Rs 1,00,000/- per annum in treated water costs
- 5% saving in annual fuel costs