

# CASE STUDY

A paper mill in Western India



## Problem

High energy costs due to improper drying system

## Objective

To optimise energy savings, reduce water consumption and improve boiler efficiency and performance

## Solution

Forbes Marshall carried out a detailed study of the plant to determine areas of concern.

A trap based system was installed in the drying section with the following products from the Forbes Marshall range as per recommendation

- [SteaMon](#) steam flow meter
- Pressure control loops
- [Two orifice float trap](#) module
- Glandless [piston valve](#)
- Complete condensate recovery system
- [Compact module thermodynamic traps](#)

## Benefits

- Specific steam consumption reduced from 1.8 to ~ 1.3 ton per ton of paper
- Condensate recovery from 30% to ~90%
- Increase in feed water temperature by 12 degC
- No steam leakage