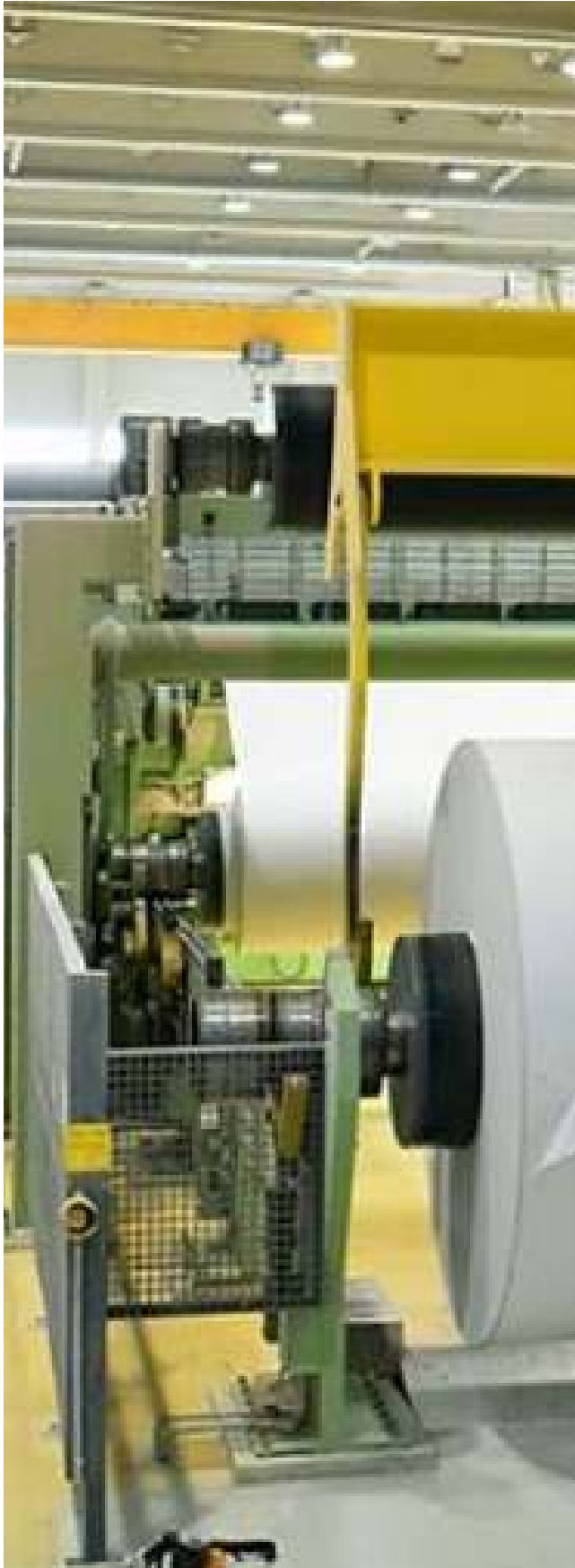


# CASE STUDY

A paper mill in South India



## Problem

- Frequent tripping of the machine due to poor condensate evacuation
- Very high back pressure due to trap leakage and venting of steam from the main common tank
- High specific steam consumption (2.1-2.2 ton per ton of paper)

## Objective

To improve productivity and specific steam consumption

## Solution

Customised engineered thermocompressor based solution for thermal grouping and effective utilisation of flash steam, with the following solutions

- [Steam flow meter](#) and condensate flow meter
- [Pressure, differential and level control loops](#)
- Glandless [piston valve](#)
- Float trap modules and [thermocompressor](#)
- [Compact module thermodynamic traps](#)
- [Mini distributed control system](#)

## Benefits

- Reduction of specific steam consumption by 0.7 ton per ton of paper
- Improvement in condensate recovery - from 55% to 90%
- Machine speed increased by 20mpm
- Boiler pressure maintained at desired levels
- Realtime monitoring and control of all parameters