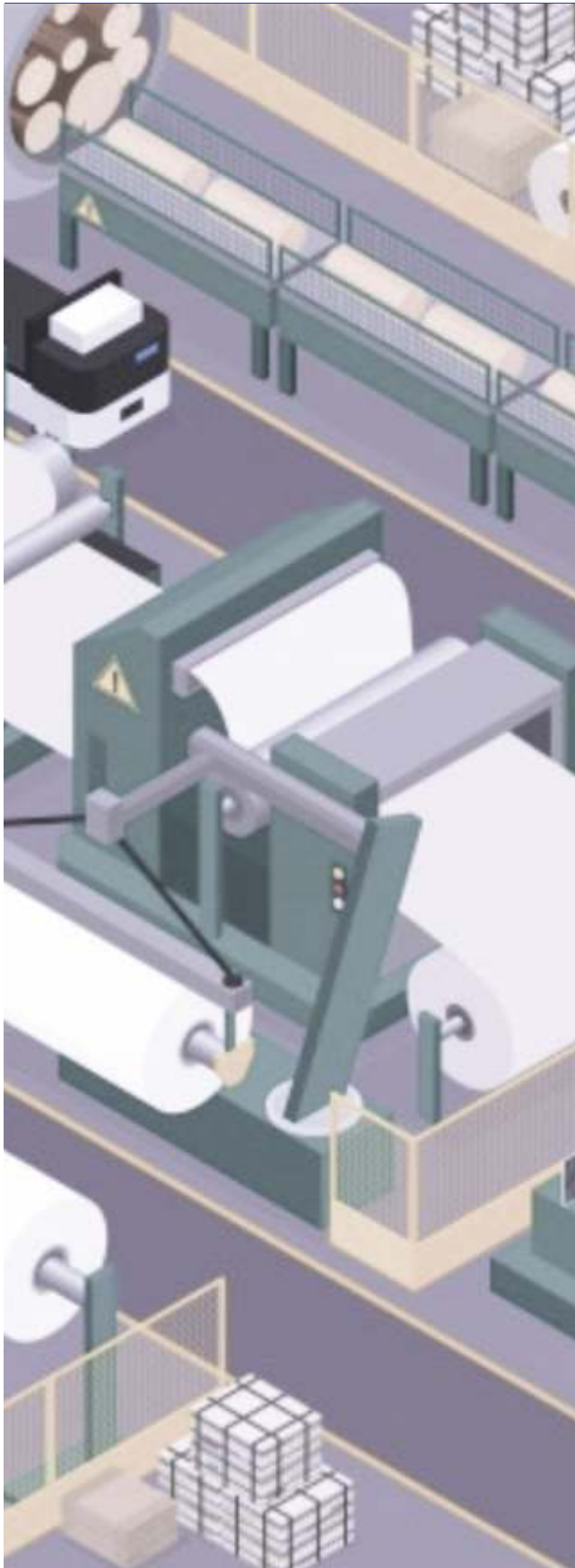


CASE STUDY

A paper mill in South Asia



Problem

- Loss of steam through trap leakage
- No flash steam recovery
- Low condensate recovery

Objective

To ensure complete flash steam recovery and maximise energy savings

Solution

Forbes Marshall carried out a detailed study of the plant to determine areas of concern, based on the recommendations of which a Forbes Marshall thermocompressor based drying system was installed with the following solutions

- Thermocompressor
- Pressure control loops
- Distributed control system
- Glandless piston valve
- Turbulator bars
- High speed rotary joint
- Compact module thermodynamic traps

Benefits

- Improved specific steam consumption reduced from 1.8 to 1.6 ton per ton of paper
- Improved condensate recovery from 65% to ~ 90%
- Improvement in feedwater temperature by 7 degC