

CASE STUDY

A pharmaceuticals and healthcare company in Thailand



Problem

- Excessive blow down
- Low condensate recovery factor
- Flash steam not recovered

Objective

To optimise processes in the cooking, syrup, preparatory and mixing sections to ensure maximum savings for all utilities

Solution

Detailed survey of the boiler house and process area by the Forbes Marshall team to identify gaps in the steam and condensate system.

Installation of boiler blowdown control system and single orifice float traps.

Replacement of electrical pump and condensate tank with Forbes Marshall FLASHJET™ pump and condensate recovery meter.

Benefits

- Complete recovery of condensate and flash steam
- Condensate recovery factor improved by 12%
- No leakage from steam traps
- LPG consumption reduced by 140 kg/day
- Water consumption reduced by 411840 ltrs/annum
- Energy savings of USD 27,700 per annum