

CASE STUDY

A Major Refinery in India



Problem

Condensate carry over with steam at the pump seal due to wrong installation of the trap and incorrect routing, causing the pump seal to fail.

Objective

To ensure dry steam reaches the pump seal.

Solution

To reduce pump seal failure by controlling pressure and removing condensate, we recommended installation of a single module comprising of a self-acting pressure reducing valve and a moisture separator in the supply line of quenching steam.

Benefits

- Steam supply is dry saturated and pressure is controlled precisely as recommended by API plan 62
- Condensate deposited in the drain pocket is easily removed through the compact module thermodynamic trap
- Long life for mechanical seals