6.4% fuel reduced annually through condensate and flash steam recovery for an Oleochemical plant

Malaysia | Oleochemical

Problem

An oleochemical plant in Penang, Malaysia was not recovering condensate and flash steam. As a result the boiler feedwater temperature was just 30°C (86°F).

Solution

Forbes Marshall conducted a plant study and installed a FlashJet™ Pump (FJP) to recover condensate and flash steam.

FlashJet Pump™ installation for condensate and flash steam recovery

Benefits delivered

Hourly condensate flow rate	increased from 0 to 1,600 Kilograms (3527 Pounds)
Feedwater temperature	increased from 30 to 68.4°C (86 to 155.1°F)
Annual fuel (natural gas) consumption	reduced by 1,930 MMBtu (i.e. 6.4%)
Annual monetary savings	MYR 179,435 (~USD 42,454.7 *converted based on exchange rates)