

## 9% increase in production with 21.35% fuel saved through correct steam trap selection for a noodle plant

 Indonesia

 Food

### Problem

A noodle plant in East Jawa, Indonesia, was experiencing steam leakage in Dryer line 2 due to incorrect selection of process traps. Trap uptime was 0%, leading to higher specific fuel consumption of 644 Kilograms (1420 Pounds) Coal per Tonne of Product.

### Solution

Forbes Marshall recommended and implemented thermal energy conservation solutions in the plant. 10 units of the Compact Module Two Orifice Float Traps (CMTOFT) were installed to eliminate steam leakage and ensure 100% trap uptime.

#### Before



*Dryer line 2 trap uptime at 0% due to incorrect selection of process traps*

# After

10 units of Forbes Marshall's Compact Module Two Orifice Float Traps (CMTOFT) installed, improving dryer air temperature and daily production



## Benefits delivered

<b>Dryer air temperature</b>	improved, impacting daily production
<b>Daily production</b>	increased from 12,376 to 13,510 Kilograms (27.3K to 29.7K Pounds)
<b>Process trap uptime</b>	increased from 0 to 100%
<b>Specific fuel consumption</b>	reduced from 644 to 507 Kilograms coal per Tonne product (1420 to 1118 Pounds coal per Tonne product)
<b>Fuel savings</b>	21.35%
<b>Annual monetary savings</b>	USD 74,184 (~IDR 1,240,731,109 *converted based on exchange rate)

