

ENERGY SAVINGS FROM HOT OIL NETWORK



Petrochemicals facility in Jubail, KSA

WHY?

Challenges Addressed

• Hot Oil Network being operated at high pump discharge pressures and very high pressure drops across CVs leading to excess power consumption in the circuit

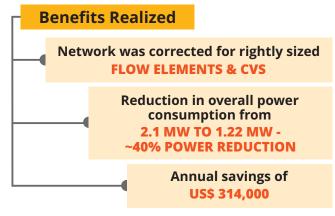
Goal

Identify energy savings opportunities

Engagement

• Reduction in energy consumption and OPEX across the Hot Oil Exchanger Network

RESULT



SOLUTION AND EXPERT SERVICES DEPLOYED

- Built Steady state hydraulic model in AFT Fathom, validated against plant operating data for CV openings and pressure readings.
- Highlighted MAPD across circuit components providing opportunity for reducing pump discharge pressure and overall power



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