

CONTINUOUS ADVANCED ANALYTICS FOR OPERATIONS EXCELLENCE

WHERE?

Petrochemical facility in Jubail, KSA

WHY?

Challenges Addressed

- Reliability and Energy

Goal

- Capacity and Quality Improvement, with Reliability

Engagement

- Operational reliability and performance improvement

RESULT

Benefits Realized

Constraint identification for the feed limited cracker and troubleshooting

Sustainability - Plant maintained at best operational condition all the time

Rejection of feed allocation zero

2014-2019 saving > \$50 Million

SOLUTION AND EXPERT SERVICES DEPLOYED

- Continuous analysis of big data and utilization of Digital Twin models (Fundamental models and Machine Learning/AI models).
- Development and Utilization of models by a remote Analytics cell, including domain, process engineers and fundamental computational & Data Science specialists

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