

## DECISION INSIGHT SOLUTION FOR OPERATIONS EXCELLENCE

### WHERE?

Two Ethylene facilities of a US Petrochemical major, based in the Middle East

### WHY?

Challenges Addressed

- Identify bottlenecks, improve yield, throughput, reliability. Reduce cost, losses, downtime

Goal

- Continuous plant performance tracking and recommendations for improved process operations performance

Engagement

- Achieve Process Operations Excellence

### RESULT

#### Benefits Realized

**Improved yield, plant availability,  
throughput and efficiency**

**US\$ 250 million savings achieved**  
(over a 5 year period of  
Operations Excellence Program)

### SOLUTION AND EXPERT SERVICES DEPLOYED

Built a Rigorous Digital Twin of the unit operations, plant data analytics based on Machine Learning techniques, continuous remote plant tracking, providing process operations insights on day-to-day basis

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