

## Achieving Transformational Smart Plant in the process industry

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Dramatic forces across the Hydrocarbon process industry require new approaches to improve production efficiency and operation margin. Oil price and supply volatility, production price volatility based on market dynamics places pressures on supply chain management (SCM) and its effectiveness. There are many other challenges such as changing workforce, environmental and tighter regulation & compliance, etc. New technologies based on computational power, IT, IoT, Big Data, AI, etc. provide opportunities but require company to consider change management to ensure success. In this presentation, shows a few examples how leaders in process industry are taking actions to capture technologies advantages to sustain and expand their business. These technologies include modeling and simulation to optimize asset performance, technologies for predictive asset performance management, KPI system to have wisdom to action based on intelligence.