

# ABB in Chemicals and Refining

## Safe. Smart. Sustainable Operations.

With more than **50 years of experience** in delivery of complex projects within the chemical and refining industry, ABB has the people and systems to support your complete manufacturing process.



### Proven approach

The world's largest downstream projects have ABB technology.

#### Dow and Saudi Aramco

##### Sadara project, Saudi Arabia

Automation and instrumentation for the world's largest petrochemical complex ever built in a single phase with over 50 production lines

#### BASF, Germany

Largest integrated chemical complex

- Reduced unplanned downtimes through predictive maintenance
- Enabled improvement services which minimized operational costs

#### Petrobras, Brazil

Process automation and power management systems for 10 of Petrobras's 12 refineries

- Increased production by a massive 40 percent and produce new low-emission fuels from renewable sources of energy

### Benefits



Utilization of ABB as MAC/MEC **reduces CAPEX costs** by around **20-30%**



Integrated process automation and electrical control/power management systems (PMS) **reduces energy usage** by up to **10%**



Total Plant Reliability™ **returns 3 to 1** on investment



A complete scalable portfolio to **maximize your profitability** by **3-9%**

### ABB as a partner



Strong track record



Integrated offering



End-to-end digital solutions



Technology experts



Global footprint



Committed to safety