

ABB in Chemical and Refining

Ensure safe, reliable and efficient 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%**



3:1
Return on investment with ABB's Total Plant Reliability™ improvements



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