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%

- **3:1 Return on investment** with ABB’s Total Plant Reliability™ improvements

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

- 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

Learn more: abb.com/chemical