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 Petrobra’s’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%
- Total Plant Reliability™ returns 3 to 1 on investment
- 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