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## **Streamlining project execution**

Cutting cost, schedule and risk in  
oil, gas and chemical projects



# Leading the way to intelligent projects

Projects in the oil, gas and chemical industries are so complex they routinely result in cost and time overruns. Via our **intelligent projects** approach, which combines **intelligent engineering** with **intelligent infrastructure**, ABB shortens schedules, cuts costs and minimizes risk.

**The Benefits**

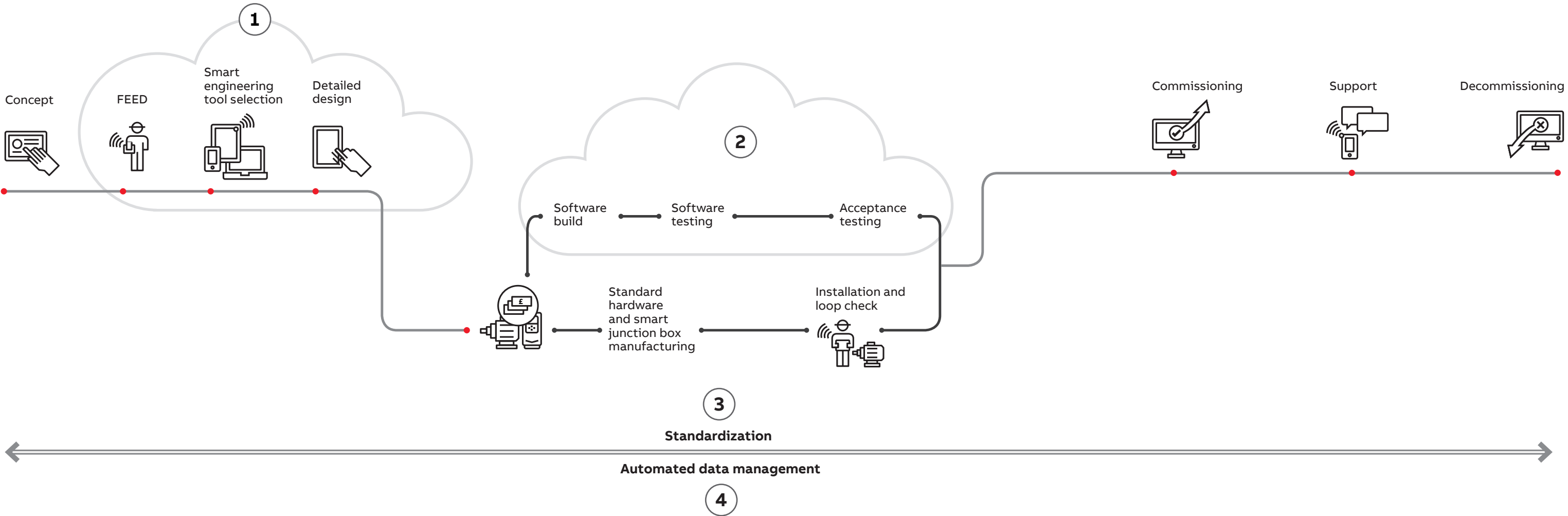
- 20-30% lower CAPEX and OPEX
- 25% quicker schedule completion than traditional approaches
- 40% fewer start-up and installation hours
- 60% space saving achievable

**1 Cloud engineering**  
Virtualization, emulation and simulation for efficient project engineering

**3 Standardization**  
Simplifies design and eliminates need for factory acceptance testing of hardware

**2 Digital marshalling**  
Using soft marshalling, flexible I/O and standardized cabinets to decouple hardware and software

**4 Automated data management**  
Eliminates manual steps, reducing human error



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# Bringing together people, processes and infrastructure

## Intelligent engineering

Intelligent engineering covers the people, processes, tools and standards that take project execution from a traditional multi-vendor approach to one that streamlines the equipment mix.

A professional project management team, comprising project directors, interface managers, consultants and support personnel, manage the interface with the client, contractors and suppliers. This ensures that the best-in-class solutions are implemented so as to reduce lead time, human error, risks and labor costs.

## Intelligent infrastructure

An intelligent infrastructure fully integrates electrical, automation, instrumentation and telecom systems into one collaborative environment, thereby optimizing customer objectives throughout the life cycle.

ABB is the only major player to design telecoms solutions that keep people, assets and data securely monitored at the same time as optimizing automation and power requirements.

Systems integrated by ABB thus facilitate effective cooperation thereby positioning operators for optimized, cost efficient and effective performance going forward.

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**ABB Oil, Gas and Chemicals**  
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