

Siemens Digital Industries Software

## Embrace and accelerate change to drive digital transformation in energy

Unlock the power of your asset information to promote creativity and accelerate innovation, built on **Digital Lifecycle Excellence**

### Trends



**Pressure for financial performance**



**Uncertainty impacting investments**



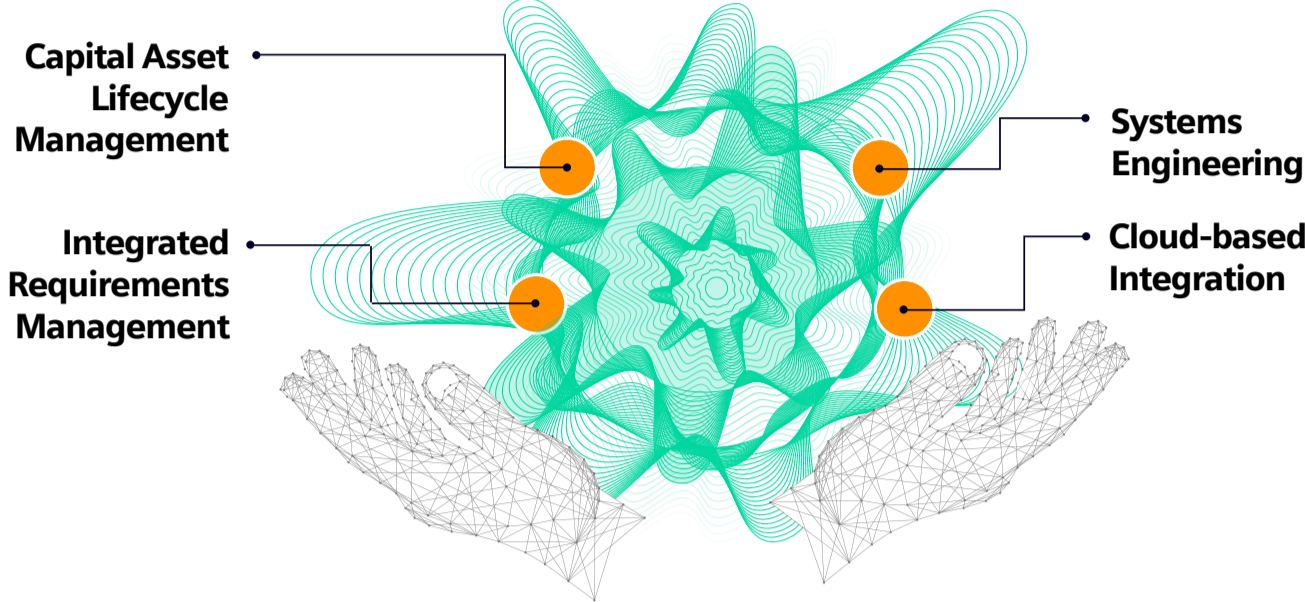
**Digital adoption increasing**



**Aging demographics**

### Digital Lifecycle Excellence

Apply a manufacturing mindset to leverage enterprise and cloud data from across the asset lifecycle to achieve critical business objectives



### Capital Asset Lifecycle Management

Consolidate and connect your engineering and business information to improve execution at every stage of an asset's lifecycle

**4.2%**

Capital project performance penalty due to poor interoperability

**2.8%**

Ongoing annual cost to asset owner

**\$66m**

Unbudgeted expenses in first year alone on a \$1B project

Source: National Institute of Standards and Technology

### Integrated Requirements Management

Adopt a digital requirements management approach to ensure critical processes are identified and captured for complete closed-loop control

**400**

Average # of specifications per project on top of industry standards

**30-40**

Average # of pages per spec

**15,000**

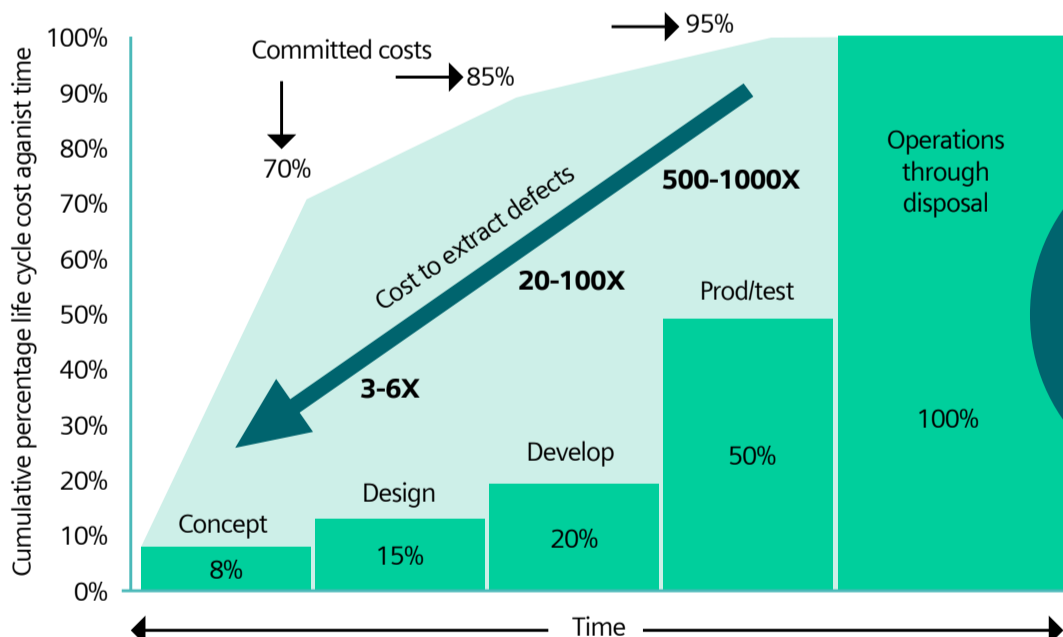
Pages per day sent to the supply chain of additional requirements on top of industry standards

**>40%**

Industry-wide overruns on project cost and schedule

### Systems Engineering

Ensure plant and asset designs are engineered using a holistic systems approach for improved reliability and responsiveness



Source: Committed life cycle cost against time. Reprinted with permission from DAU. All other rights reserved.

### Cloud-based Integration

Develop new insights by connecting existing enterprise applications using a cloud-based, integrated data hub without the use of costly middleware



**Discover**

Search and explore the single source of truth for all your connected data



**Understand**

Gain true insight into data context, ownership, and sensitivity with curated metadata through a single data hub



**Use**

Drag-and-drop data right into the data hub, or use curated endpoints to securely pull data into BI tools



**Govern**

Secure and manage trusted data for safe reuse in a single-click via automatic registration

### Turn complexity into a competitive advantage by...

