SEVEN
Reasons

When and why to choose IBM Engineering Lifecycle Management

Requirements
Workflow
Engineering Lifecycle Management
Systems Design
Test
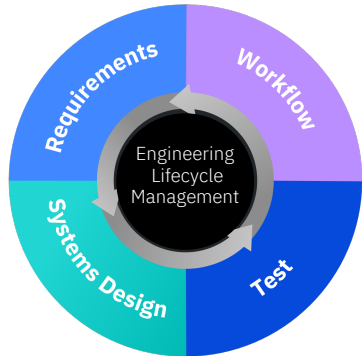
01 | IBM Engineering Lifecycle Management is best-in-class for Systems Engineering, ALM and DevOps at enterprise scale

Value Chain

| Market Research | Research & Development | Construction & Production | Sales & Delivery | Service & Operations |

Data

- Market Data, Strategy Plan
- Requirements, Design, Code & Tests
- Production Plan, Shopfloor Data
- Contractual Data, Deployment Plan
- User Behaviour, Monitoring Data

Tool Discipline

- Portfolio Planning
- Systems Engineering
- Application Lifecycle Management (ALM)
- Product Lifecycle Management (PLM)
- Customer Releationship Mgmt (CRM)
- Operational Technology (OT)

IBM Engineering Primary Domain   IBM Engineering Secondary Domain

IBM Engineering Lifecycle Management is an end-to-end solution enabling consistent work across various domains and **and confidently operating at scale**

Engineering Requirements Management DOORS Next

Capture and structure requirements; Version, baseline and exchange

Engineering Test Management

Plan, execute and automize tests. Manage plans, suites & environments

Engineering Systems Design Rhapsody

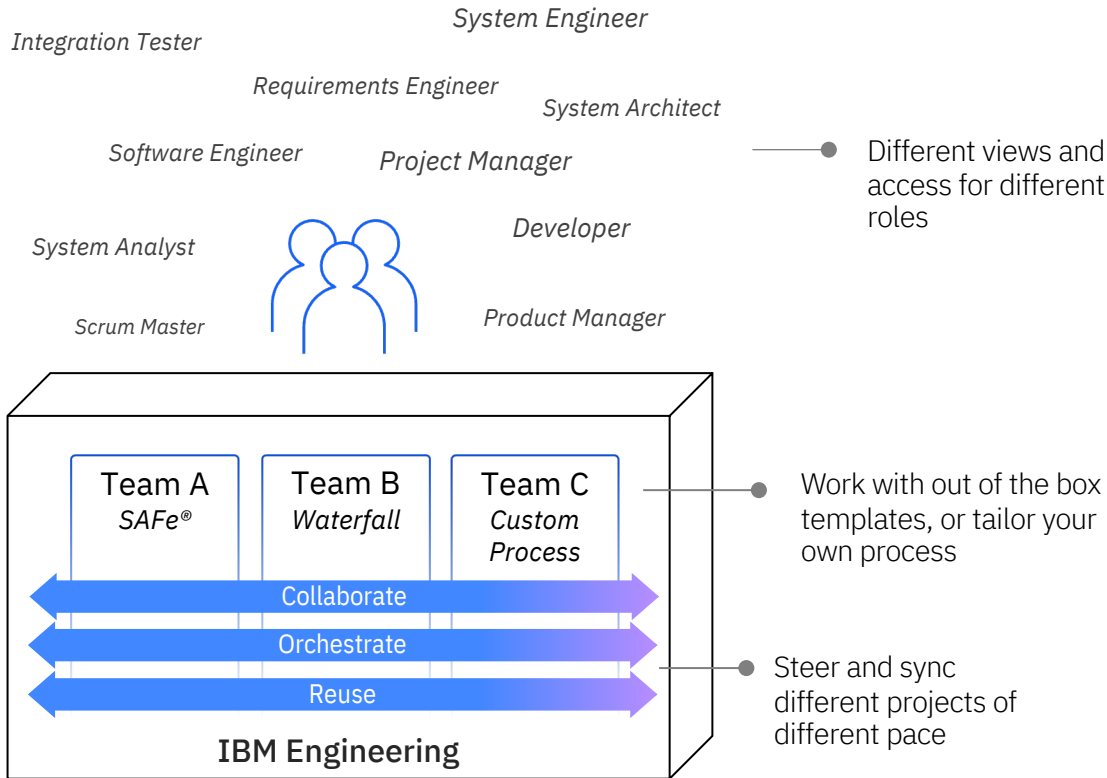Model and execute software- and system architecture and behaviour

Engineering Workflow Management

Plan and assign tasks, manage code changes, track risks and reviews

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03 | IBM Engineering Lifecycle Management is flexible change management against a single source of truth

Integration Tester

System Engineer

Requirements Engineer

System Architect

Software Engineer

Project Manager

Developer

System Analyst

Scrum Master

Product Manager

Different views and access for different roles

Team A *SAFe®*	Team B *Waterfall*	Team C *Custom Process*

Collaborate

Orchestrate

Reuse

IBM Engineering

Work with out of the box templates, or tailor your own process

Steer and sync different projects of different pace

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04 | IBM Engineering Lifecycle Management improves the process of defining, reviewing, and changing artifacts through Configuration and Change Management

Think of it as a corporate network for all your engineering knowledge

Open Services for Lifecycle Collaboration

- Open standard
- Based on web technology
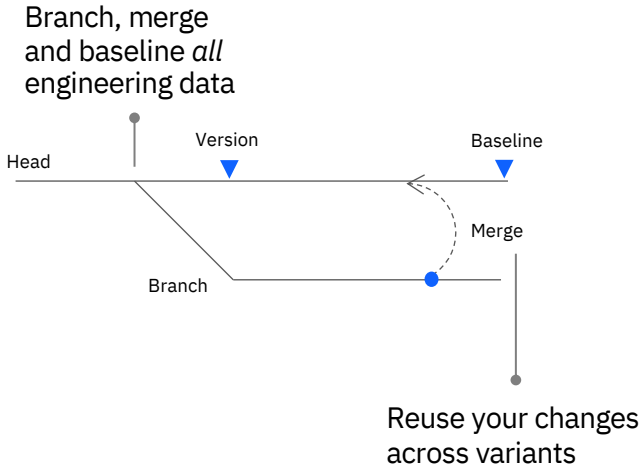- Standard link types to connect artefacts
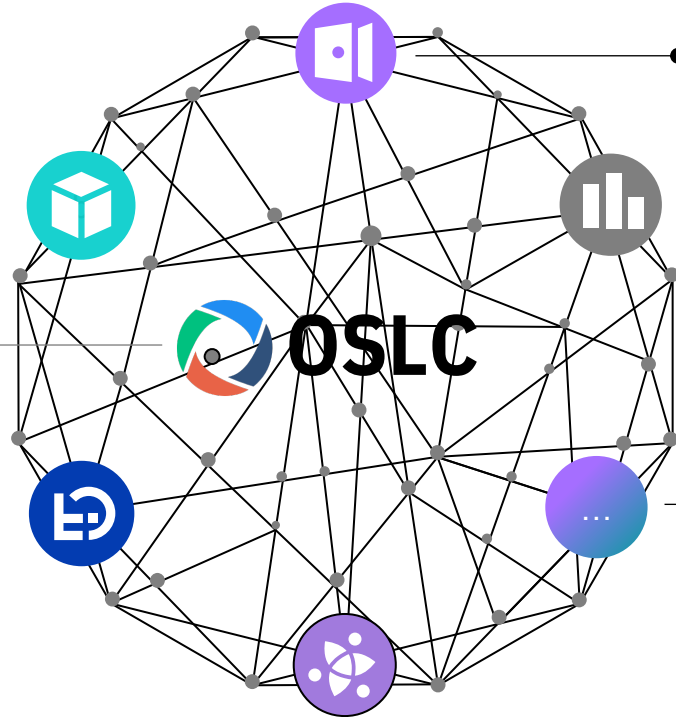
Trace requirements through the lifecycle

Leverage integrated reporting capabilities

Integrate seamlessly with any application that supports OSLC

OSLC

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IBM Engineering Lifecycle Management enables management of variants & versions of all engineering data like source code

Branch, merge and baseline *all* engineering data

Head

Version

Baseline

Merge

Branch

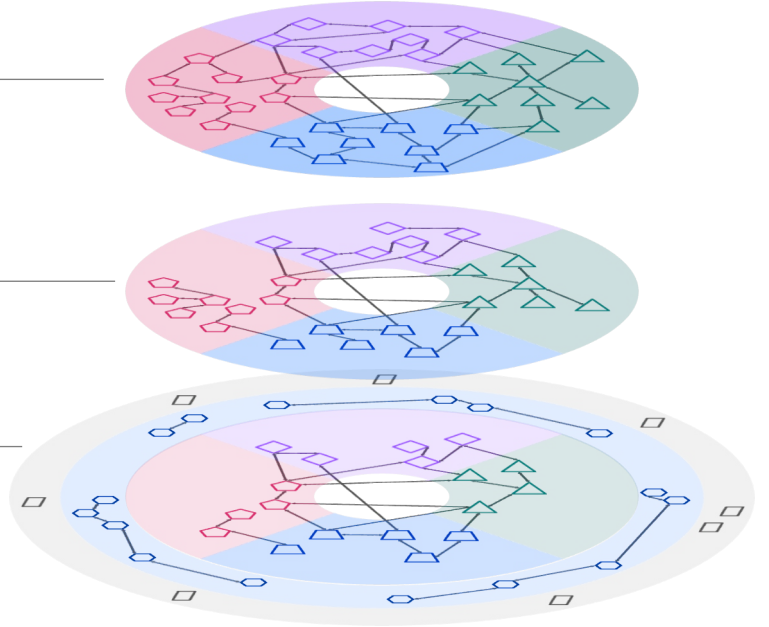Reuse your changes across variants

150% Design

Consists of linked Requirements, Architecture, Test Cases and Code

Project A

A subset of the 150% Design for a specific customer project

## Milestone 1

A subset of Project A for delivery

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06 | IBM Engineering Lifecycle Management defines and helps teams manage dependencies among engineering data from their tools through **Digital Thread**

Lowered overhead for practitioners with **simplified** linking across the full range of engineering lifecycle artifacts

Improved productivity through the ability to customize attributes contributing to link validity (thereby avoiding analysis of insignificant changes)
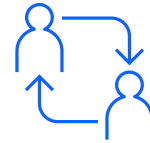
Higher resolution Digital thread by linking test scripts in Engineering Test Management to requirements in DOORS Next (instead of whole test cases)

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IBM Engineering Lifecycle Management is trusted among industry leaders

10 out of 10 largest
automotive OEM's

7 out of 10 largest
medical device manufacturers

7 out of 10 largest [6]
system integrators companies

10 out of 10 largest
aerospace and defense companies

7 out of 10 largest
banks

10 out of 10 largest
tier 1 automotive suppliers

5 out of 10 largest
semi conductors' design companies

Government institutions
in more than 40 countries

5 out of 10 largest
pharmaceutical companies

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Get started today

Adopt the whole solution or start small by adopting one capabilitiy for Requirments, Systems & Software Architecture (Modelling), Workflow or Testing.

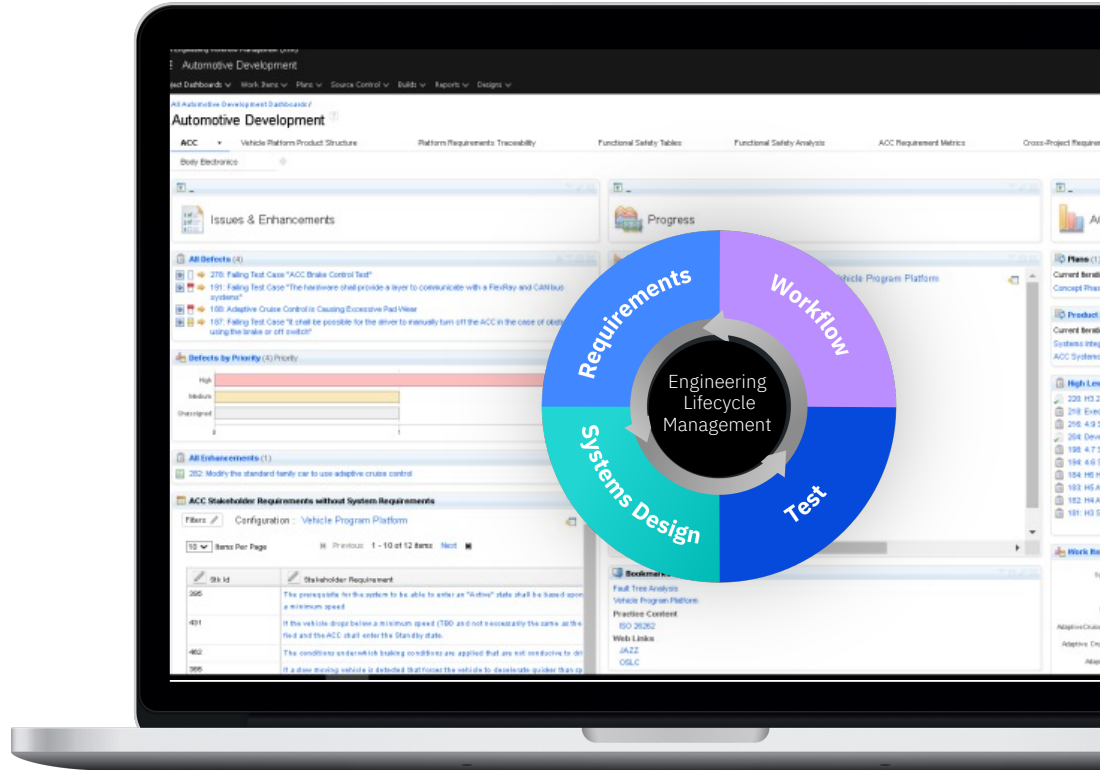--

Get it on Premise or on cloud, users can access the solution using the web client of their choice.*

*Rhapsody Systems Design and DOORS Family are thick clients

Benefit from long-term, true enterprise support from a worldwide network of IBM experts and business partners

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https://www.ibm.com/products/engineering-lifecycle-management