

IBM Engineering Lifecycle Management (ELM)

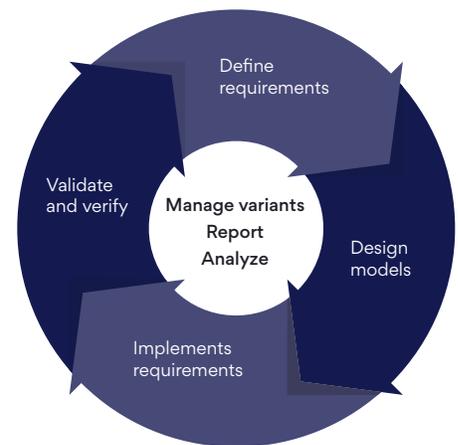
What you need to know about version 7.0

IBM has released version 7.0 of its Enterprise Lifecycle Management (ELM) tool, rebranding and expanding on the current IBM Continuous Engineering version 6.0.6.1, released in Spring 2019.

Who is ELM 7.0 for?

ELM 7.0 is for any industrial organization struggling to manage rapidly increasing

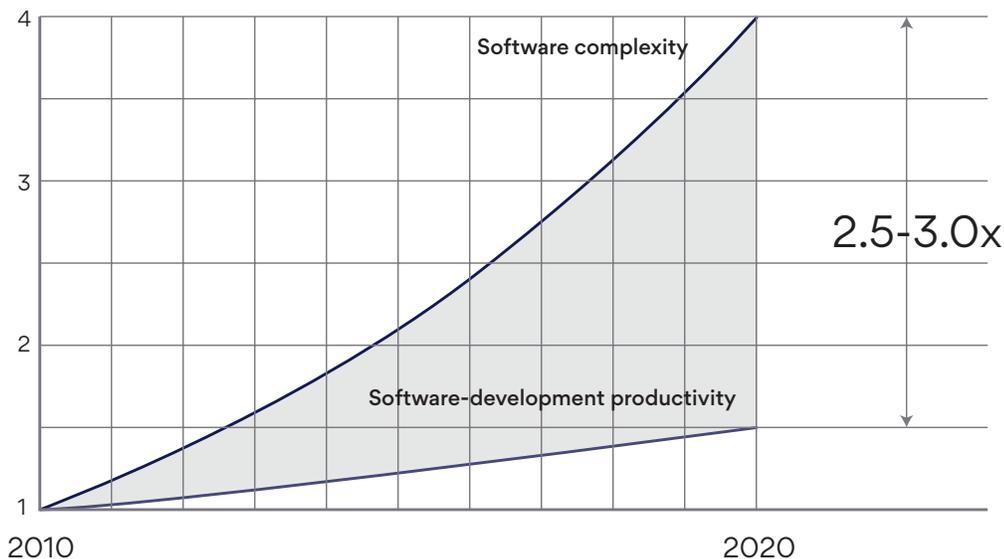
- Complexity and software requirements
- Regulatory/compliance needs
- Product development costs and cycle times
- Product recalls/issues with product quality
- Product variants and the requirements needed to track them
- Collaboration needs of its distributed teams



What challenges does ELM 7.0 solve better than version 6.x?

The primary challenge ELM version 7.0 addresses is the need for scalability. Makers of complex products in a variety of industries are struggling to keep up with the growing product complexity that's driven by the increasing role software plays in product development.

The chart below from McKinsey & Co., shows how difficult it can be to keep up with exponential software growth—a gap that's growing up to three times faster than the productivity growth needed to support it.



Source: Numerics

McKinsey
& Company

That need for scalability—in requirements, in variants, in compliance and in your ability to collaborate—is at the heart of ELM 7.0.

Early ELM 7.0 users are getting **upwards of nine times (9X) the performance and scalability** version 6.0 offers, as per IBM.

What are the main benefits ELM 7.0 offers?

- **More effective requirements management** including improved single data transparency, traceability, and higher product quality.
- **Improved overall requirements quality** infused AI automatically reviews requirements, providing suggestions on how to improve them.
- **Increased ability to meet design plan and safety-critical requirements:** including fully integrated regulatory, compliance, process, reporting and audit capabilities.
- **Improved ability to address increasing engineering complexity:** enabling systems of systems (SoS) design, geographically distributed teams, and developing multi-tiered value chains.
- **Better visibility across your operations — and beyond:** improved reporting consistency across time zones, disciplines, and supply chains, delivering “one version of the truth” to your teams and OEM partners.
- **Improved ability to meet product quality standards:** via continuous risk-based testing, including prioritization, assessment, and automation.
- **Enhanced decision making:** including more robust visualization, prototyping, simulation, and analysis.
- **Better support for continuous process improvement:** automatically creates system specifications, interface design documents, test cases, and tracks progress of work items.
- **Enhanced support for systems engineering best practices:** including integrated agile, SAFe 5.0, digital thread, and more.
- **Better support for open standards:** enhancing integration with OSLC, Github, Bitbucket and others, enabling broader ecosystems and individual customization.

What process/business benefits have ELM 6.x and 7.0 users experienced?

In the year since ELM 6.X was launched, users in a variety of industries have experienced the following benefits

- Improved ability to support exponential complexity
- More streamlined, quicker time to market
- Better ability to meet compliance standards and regulations
- Better connectedness with open standards

A team of 400 engineers with an early access to ELM version 7.0 has seen

- **60%** drop in defects
- **\$3.9** million in savings due to defect reductions
- **25%** reduction in manual review costs
- An improved retention of engineering expertise for junior engineers

To help manufacturers get a deeper understanding of ELM and which tool set is right for them, Persistent is conducting a series of ten webinars titled “Supercharging ELM.”

[Know More](#)

About Persistent

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