

Software Development Tools: Managing the life cycle of complex software products

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The challenges that these product manufacturers and developers of complex embedded systems are seeing today is in the fact that the software is becoming much more of a significant portion of these products. It's becoming more complex. The integration is becoming more complex with the mechanical and electrical components. You're seeing more global, globally distributed development organizations both within that particular organization or with their suppliers. And you're also seeing an increase in the amount of interaction and interconnectivity between these manufactured products or systems in other elements of the ecosystem, or what we call systems of systems.

So to address these challenges, Rational has implemented what we call our Rational software platform for systems. This is an integrated, end to end platform for the life cycle of software development and delivery.

This platform provides competencies specifically targeted at the complex and embedded systems space. All the way from portfolio management, requirements management, through development, all the way through test and deployment, as the ability to be able to provide changing configuration management across the life cycle. Provides the governance and discipline necessary to ensure our customers improve their quality, reduce their costs, and accelerate time to market.