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## Highlights

- Create, automate and restructure the process of change identification, resolution, prevention, reporting and trending
  - Use an integrated, common business process management platform based on a Service Oriented Architecture
  - Align your business processes with product development to streamline resources, make informed business decisions and deliver on the promise of innovation that goes beyond the product
  - Implement an end-to-end issue and change management processes enabling near real-time visibility of issues, changes and trending
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# Engineering Change Management for Electronics

*Manage change with business processes management*

Product lifecycle management (PLM) for electronics today requires an increasing level of sophistication that drives complexity in your engineering change management strategy. By addressing change management with IBM Business Process Management (BPM), your electronics company can create, automate and restructure the process of change identification, resolution, prevention, reporting and trending.

## Efficiency, quality and innovation

Efficiency in change management plays a key role in product quality, time to market and innovation. From globally distributed teams to changing market and customer requirements, the engineering change management solution for electronics from IBM can help your organization address common challenges throughout your enterprise. Today's competitive marketplace leaves little room for errors in the PLM process. Our solution provides the capabilities and tools you need to speed quality and innovation in product development.

## A flexible, interconnected platform for change

The engineering change management solution is designed to enable your company to identify, assign owners to, track, report on and resolve issues and changes. Our solution can help improve product engineering across geographical locations, internal and external organizations and systems, products and roles with an integrated, common BPM platform based on a Service Oriented Architecture (SOA). Whether your engineers are working in-house or with external partners, our approach to engineering change management can be extended across the boundaries of your network.

A SOA is the crucial foundation for BPM and can help you enhance your change management strategy. This foundation provides flexible processes, based on services, which can be modified without being fixed within the code structure of the application to facilitate change. Our flexible, rules-based approach to change management allows you to easily define the level of collaboration needed to get through each point in the engineering process. Also, our solution can help you automate activities, transactions and processes, and customize actions based on situational context for



more effective design processes and value chain governance. By linking your change management processes as services through BPM, your processes can also be decoupled and recombined, so you can rapidly change them as circumstances require.

Our solution includes a core software offering, IBM® WebSphere® Product Lifecycle Management Pack, which includes prebuilt, configurable assets to deliver a BPM implementation that helps address your change management requirements.

## A product of innovation

With the ability to align your business processes with your product development, you can streamline resources, make informed business decisions and deliver on the promise of innovation that goes beyond the product. Other benefits of our engineering change management solution include capabilities for:

- Maintaining a single platform for issue and change management across the enterprise.
- Raising issues and easily changing intellectual property stored within the PLM or other external systems.
- Providing managers and product development stakeholders with the ability to track changes.
- Maintaining accountability for changes required to fix an issue or a problem.
- Conducting analysis of change impact across products and processes to correctly respond to issues.
- Facilitating a better decision-making process by using dashboards for reporting, trending and preventive action planning.

## Why IBM?

Our engineering change management solution can help your electronics company implement streamlined, end-to-end issue and change management processes enabling near-real-time visibility of issues, changes and trending. We offer a single point of entry and flexible offerings that enable you to work in one area and build out as you acquire additional funding. We can help you develop customized solutions to better manage the entire product life cycle, from concept to design to manufacturing. Our globally located IBM PLM Centers of Excellence are designed to help you find the right skills, resources, technologies and methodologies—at a location near you—to solve both business and technical challenges.

## For more information

To learn more about the engineering change management solution for electronics, please contact your IBM marketing representative or IBM Business Partner, or visit the following websites: [ibm.com/bpm](http://ibm.com/bpm) or [ibm.com/software/industry/electronics](http://ibm.com/software/industry/electronics)



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