

# Manufacturing

## BENEFITS

### Support customer satisfaction.

Ensure that engineering changes yield production efficiency—while controlling costs—and help maintain high levels of customer satisfaction.

### Improve visibility for better decision making.

Identify items affected by engineering change orders (ECOs) with advanced query capabilities. Detailed historical records of ECOs help management understand why changes have been made and how they impact profitability.

### Ensure efficient production.

Eliminate the potential for confusion on the shop floor with better organized and more accessible engineering change information. Help ensure that product builds follow correct revision models without having engineers walk the floor, communicate manually, punch revision stamps, or make new bills of materials or routings.

### Closely monitor implementation of change orders.

Monitor engineering more effectively with ECO aging functionality, ensuring that authorized changes move forward expeditiously.

## Engineering Change Management in Microsoft Dynamics GP

Keep pace with accelerating markets. Engineering Change Management in Microsoft Dynamics™ GP provides manufacturers with easy ways to collect, organize, and review changes to orders before they're authorized. Adjust processes and components to accommodate new technologies and customer changes while maintaining or improving efficiency and profitability.

The top screenshot, titled 'Engineering Change Request - View Only', shows a form for ECM0001. The 'Short Description' is 'Need to change bell' and the 'Item' is 'BELL100'. The 'Date Entered' is 5/16/2005 and the 'Status' is 'New'. The 'Reason for Change' field is empty. The bottom screenshot, titled 'ECM Impact Analysis', shows a list of documents affected by change order ECM0004. The list includes '1000-LG' and 'BA100G'. The 'Planner ID' field is empty.

*REQUEST CHANGES  
EASILY from a simple  
common form.*

*EDIT PROCESSES when changes  
are validated by authorized  
personnel.*

## FEATURES

## ENGINEERING CHANGE MANAGEMENT

<b>Consolidation of Engineering Change Information</b>	Consolidate engineering change information data in a single repository that makes it easy to collect, organize, analyze, and authorize proposed engineering changes to products and production processes.
<b>Advanced Query Functionality</b>	Easily identify all elements affected by a proposed engineering change—across all manufacturing modules—with advanced query capabilities.
<b>Workflow</b>	The built-in workflow automatically assigns engineering change requests to appropriate personnel for review and authorization, helping ensure that the effects of change are thoroughly considered before implementation.
<b>Revision Control</b>	Closely track product model revision levels and effective dates for all items that are affected by ECOs. Online, user-defined information about the effects of changes make ECO results clear throughout the organization.
<b>Notification of Engineering Change Order Aging</b>	Notification of engineering change order aging makes it easy for managers to monitor engineering implementation of orders, helping ensure timely implementation of decisions.
<b>Statistical Repository</b>	Engineering change statistics track the volume of engineering change requests in process and identify requests that are out of date.
<b>Request and Edit Functionality</b>	Empower any employee in your organization to request an ECO through the Request screen. Requests can be validated, confirmed, and communicated easily by authorized personnel via the Edit screen.

For more information about Engineering Change Management in Microsoft Dynamics GP, visit [www.microsoft.com/dynamics/gp](http://www.microsoft.com/dynamics/gp).