

Visual Planning

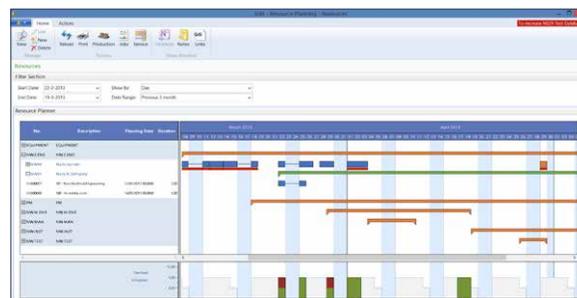
for Microsoft Dynamics NAV

Creating and managing efficient, acceptable workloads in the complex environment of industrial equipment manufacturing requires powerful planning tools, especially when industrial equipment manufacturers engage in several disciplines. Visual Planning, a component of To-Increase Industrial Equipment Manufacturing, supports all manufacturing, installation, and service activities that typically occur in the industry. By using the solution, you can flexibly manage the employees dedicated to each of these three domains as well as those team members who interact with them.

Visual Planning covers all operations in the three key domains of industrial equipment manufacturing:

- **Manufacturing** of products and components in well-defined series, based on bills-of-materials, product routings, and assembly instructions.
- **Installation** of components in customer-specific products at a company facility or customer job location.
- **Service** to provide preventive maintenance or repair equipment previously installed by an industrial equipment manufacturer.

Instead of a single planning board from which planners control all activities, Visual Planning provides specific planners for the domains of manufacturing, installation, and service delivery. You can make planning changes within the context of a domain. In addition to these domain-planning capabilities, you also have an all-up resource dashboard, where you can right-click on planning lines to access the planner for them.



The integrated Resource Board in To-Increase Resource Management for Microsoft Dynamics NAV



Benefits

- **Visualize resource assignments.** Use the Resource Board to view assignments and the load per resource, which you can also aggregate by resource group.
- **Perform accurate, reliable resource planning.** Work with centralized, organization-wide data to plan and assign resources for production orders, Jobs, and service orders.
- **Plan activities in their context.** Plan resource activities in detail where they belong—manufacturing, projects, and service.
- **Easily access all relevant information.** Visual Planning integrates fully with Microsoft Dynamics NAV. You can open individual planning pages from the Resource Board or get to the source documents through the planners.
- **Rely on always-current status and scheduling.** Close integration with the ERP system also means that planning views are always up to date when you open them.

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Features

Resource Board

The Resource Board shows planned activities for selected resources grouped per resource group. When you select a resource the histogram showing the daily load appears at the bottom of the page. With a right click on an activity, you open the planner for that activity, which can be in manufacturing, jobs, or service. From there, you can make planning modifications.

Visual Job Planner

The Visual Job Planner shows the timeline of selected Jobs. Planning colors indicate a Job's workflow status. You can expand each Job to show the Job Tasks, and you can expand each Job Task to show the activities planned for that Job Task, including resources or materials. Activities in the Job Tasks can be scheduled and linked to set dependencies between them. You can save scheduling results as Resource Planning details. In addition to the Job Task view you can also display an Element view to show the cost breakdown structure and progress of a Job, and an Activity View which groups the activities within a project.

Visual Production Planner

The Visual Production Planner displays the timeline of production orders, which can be planned, firmly planned, or released. The production order can be expanded at the level of production order lines, and lines can in turn be expanded to show operations for specific lines. The operations are linked according to the product's routing with setup and run times. You can move operations along the timeline of the production order. From the Machine Center or Work Center view you can move operations to another machine or work center. The histogram at the bottom shows the capacity of the selected work center. On the planning page, you can change the status of the production order, complete subcontract details, link resources to an operation, and run material-shortage reports.

For more information about Visual Planning for Microsoft Dynamics NAV, visit www.to-increase.com