Visual Scheduling Suite

for Microsoft Dynamics NAV

NETRONIC Visual Scheduling Suite
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Visual Production Scheduler

Visualize, schedule and optimize production orders, order lines, operations & capacities

Visual Jobs Scheduler

Visualize, schedule and control jobs, job tasks, job planning lines & resources

Visual Service Scheduler

Visualize, dispatch and schedule service orders, service item lines, allocations & resources

NETRONIC Visual Scheduling Suite for Microsoft Dynamics NAV

The NETRONIC Visual Scheduling Suite is a proven suite of both .NET and JavaScript/HTML5 add-ins for Microsoft Dynamics NAV. The purpose of this suite is to deliver operational agility to users of Dynamics NAV by providing intelligent visualization of and drag & drop capabilities for time-related, resource-oriented planning data with dependencies.
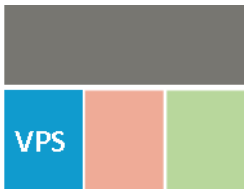
The Visual Scheduling Suite does not follow a 'one-size-fits-it-all' approach, but delivers purpose-made add-ins that support specific planning and scheduling needs for manufacturing, jobs/projects and service users of Dynamics NAV.

All these add-ins are based on the vanilla Dynamics NAV standard so that users which are trained on the standard NAV functionality do not require any additional training. Also, the close integration with the standard NAV allows a rapid installation (typically in much less than a day) so that the NETRONIC Visual Scheduling Suite yields a rapid ROI.

Key Benefits for Users of Microsoft Dynamics NAV

1. See production orders & operations, jobs, job tasks & job planning lines or service orders and service item lines as well as capacities, resources, workloads, due dates, and bottlenecks at one glance. All graphs are interactive, so that you can take corrective actions with simple mouse clicks immediately.

2. This transparency yields operational agility: capacities are better used, and delivery deadline commitments will be stronger.

3. What is really intriguing: your staff does not need extensive training for using the Visual Production Scheduler, the Visual Jobs Scheduler or the Visual Service Scheduler, and you do not need to invest into data quality.

4. Hence, you can start immediately after setting up the program.

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Visual Production Scheduler

The Visual Production Scheduler (VPS) is an add-in which closely integrates with the NAV manufacturing module. It visualizes the results of the NAV MRP engine and allows users to quickly make intelligent changes to the schedule. The VPS helps schedule production orders, production order lines, operations and hence manage capacities and delivery time commitments.

The Visual Production Scheduler provides four standard views of the manufacturing data:

- By production order status, production order number, work and machine center
- By work and machine center—focus on production orders
- By work and machine center—focus on capacity utilization
- By bill-of-material (BOM) per production order

Visual Jobs Scheduler

The Visual Jobs Scheduler (VJS) works with data from both the jobs and the resource planning module. The VJS provides graphical project planning and controlling capabilities to Microsoft Dynamics NAV and enables the users to visually schedule and manage jobs, job tasks, job planning lines and resources.

This is achieved by also complementing Microsoft Dynamics NAV with some standard project management features such as the capability to create dependencies between both job tasks and job planning lines. These dependent tasks then can get rescheduled all at once with keeping the defined structure in place.

The Visual Jobs Scheduler provides three standard views of the jobs data:

- By jobs: sorted by job status and job number; possibility to drill down from jobs into job tasks, job planning lines and resource allocations.
- By resources: sorted by resource groups; possibility to also drill down and to quickly re-assign job planning lines from one resource to another.
- Histograms: All histograms of resource groups and resources are displayed in the same order as the resource view.
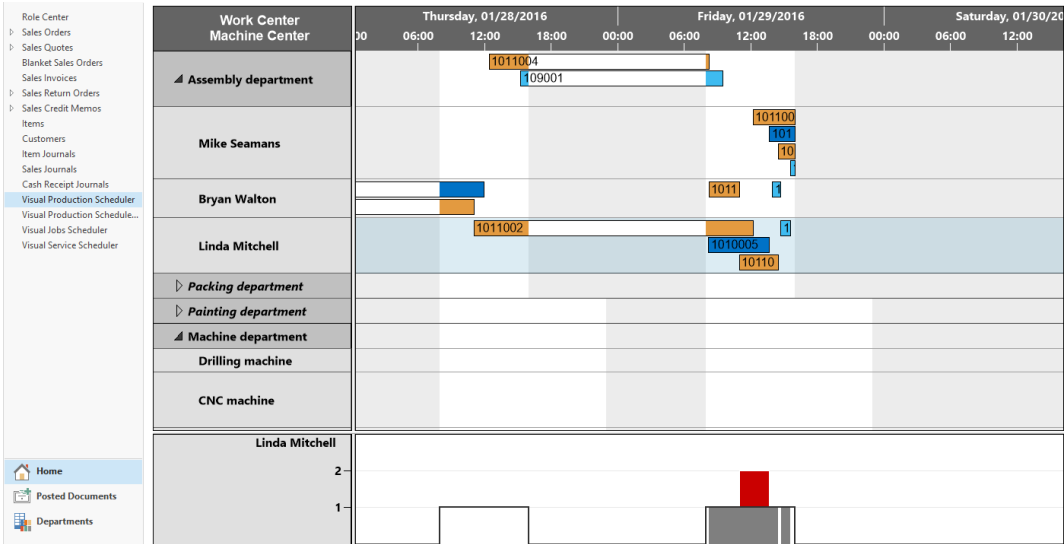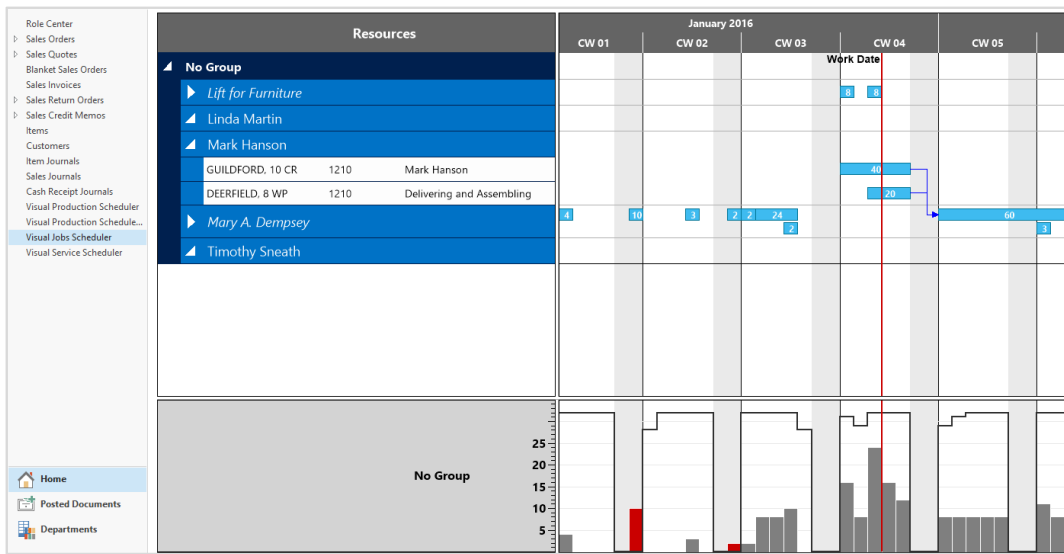
Visual Service Scheduler

The Visual Service Scheduler (VSS) is based on the service and the resource planning module. The VSS is a graphical representation of the dispatch board and helps managing service orders, service item lines and resource allocations. It enables Microsoft Dynamics NAV users to allocate service orders to service engineers, to plan the time required to complete a service order, and to manage the service staff's schedule.

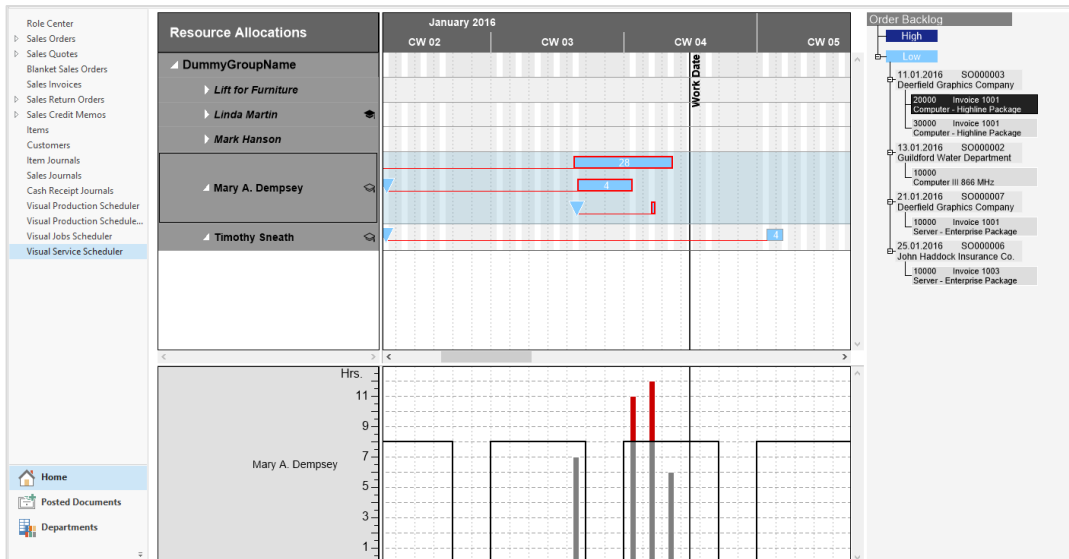The Visual Service Scheduler provides two standard views of the service data:

- The 'Two Gantt charts' view: See not yet allocated service orders (on a timeline by their response date) and the staff's schedule as two Gantt charts on one screen. Move service orders from the "unallocated area" to the service schedule with drag & drop.
- The 'Gantt and tree chart'. See the not yet allocated service orders in a prioritized list at the right hand side besides the Gantt chart with the staff's schedule. In addition, see the resource and resource group load from a histogram below the Gantt chart.
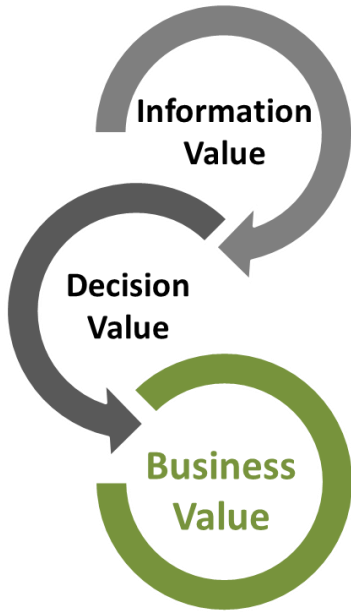
Visual Production Scheduler

Visual Jobs Scheduler

Visual Service Scheduler

Summary: Why Visual Scheduling With Gantt Charts

Information Value

Decision Value

Business Value

- Clarity: all decision-relevant information at a glance
- Transparency: visual what-if analyses
- Action: no time lag between scheduling & execution

- Better utilization of resources
- Less working capital tied up
- Improved accuracy of delivery date commitments
- Increased customer satisfaction

OPERATIONAL AGILITY
(at once: no training, no investment into data quality)

About NETRONIC—The Gantt Company

For decades, Gantt charts and developing Gantt chart software have been our core competences:

1. Our Gantt components **VARCHART XGantt** and **VARCHART JGantt** were developed for software vendors (independent of any specific ERP system), that develop planning applications. These components are used by hundreds of renowned global ERP, MES, APS and other scheduling software vendors. These vendors have hundreds of thousands of users who daily work with the scheduling modules containing VARCHART XGantt and VARCHART JGantt.

2. The NETRONIC **Visual Scheduling Suite** is exclusively designed for clients and VARs of Microsoft Dynamic NAV. The Visual Production Scheduler, the Visual Jobs Scheduler and the Visual Service Scheduler are based on VARCHART XGantt .NET Edition, and offer a completely integrated, intuitive and visual scheduling and planning support.

3. Our distinctive Gantt know-how enables us to develop **tailor-made scheduling applications** for end customers who require visual production scheduling support.

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