



DOCUMENTATION

Visual Jobs Scheduler (VJS)

Version: **1.0** | as of 24 June 2019

NETRONIC Software GmbH
Pascalstr. 15
52078 Aachen
Germany

Tel: +49 (2408) 141 0
Fax: +49 (2408) 141 33
Web: www.netronic.com

Table of contents

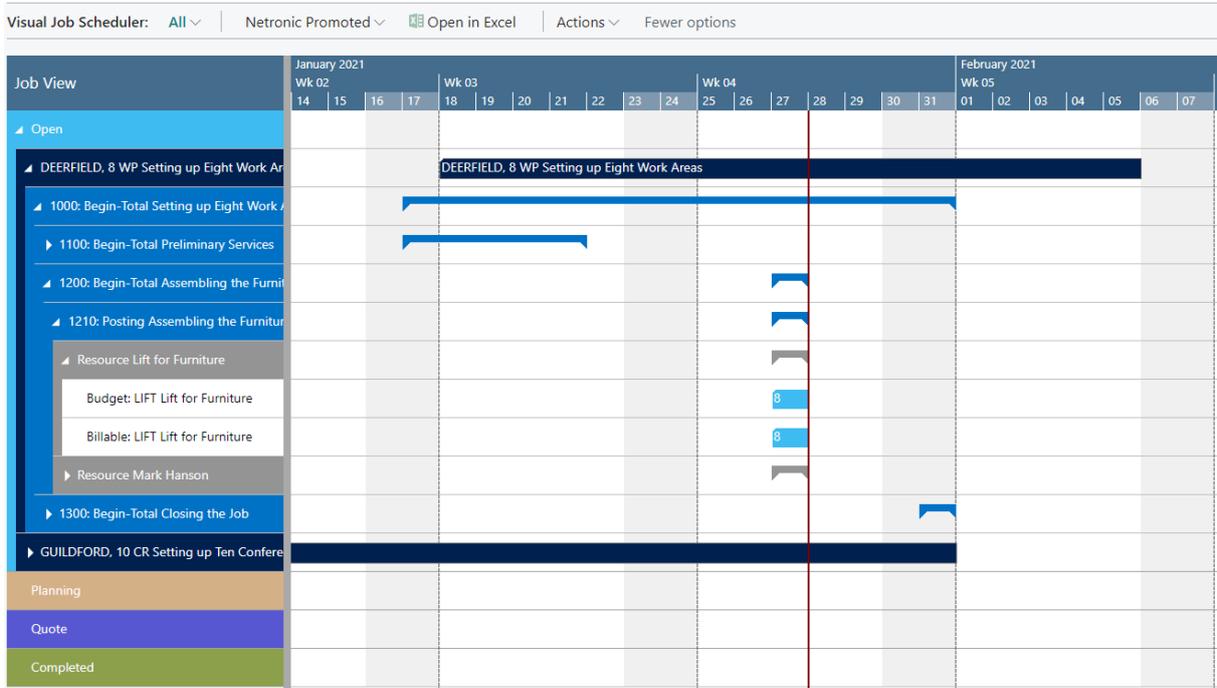
- 1. Technical requirements..... 2
- 2. Understanding the VJS 2
- 3. Two different views..... 4
 - 3.1. The Job View..... 4
 - 3.2. The Resource View 6
- 4. Open Microsoft Dynamics 365 Business Central dialogs 7
- 5. Collapsing and expanding..... 8
- 6. Capacity information 9
- 7. Navigation in the VJS..... 9
 - 7.1. Setting the timeframe 9
 - 7.2. Change the timescale resolution..... 9
 - 7.3. Scrolling 10
 - 7.4. Fit into view 10
 - 7.5. Adjust the width ratio between table and diagram 11
- 8. Move operations 11
 - 8.1. Move operations horizontally by drag & drop 11
 - 8.2. Assign an Operation to another Resource 11
- 9. Reload and save data 12

1. Technical requirements

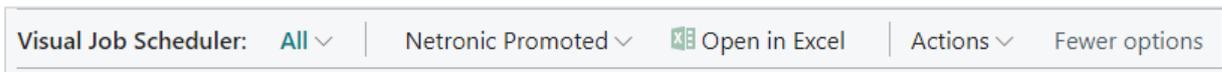
Microsoft Dynamics 365 Business Central

2. Understanding the VJS

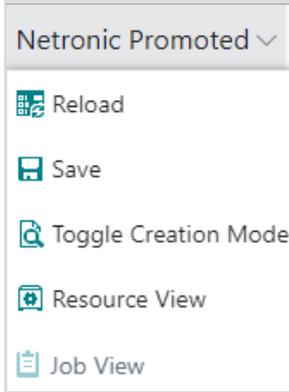
Since the VJS is a Gantt chart, it naturally has all its characteristics:



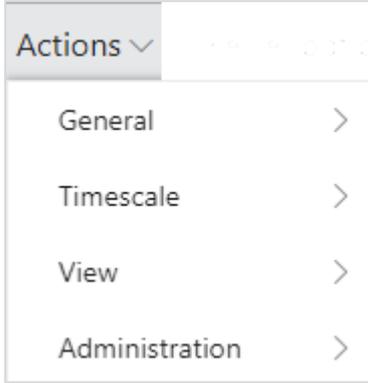
- A **timescale** at the top.
- A **table** at the left, listing jobs (in the Job View) or resource groups/resources in the Resource View
- On the right below the time scale, a **chart** displaying the job schedule with a **calendar** in the background indicating work free periods in grey while working times appear in white.
- A menu ribbon allowing to make basic settings that will be explained in detail in the following.



Please note, that the item “Netronic Promoted” contains options that we think the most frequently used ones:



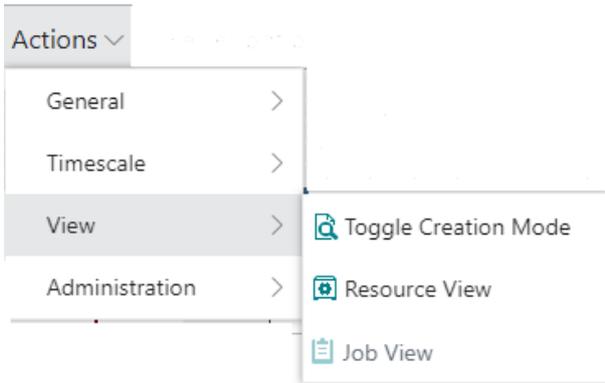
All options of the VJS are summarized under “Actions”:



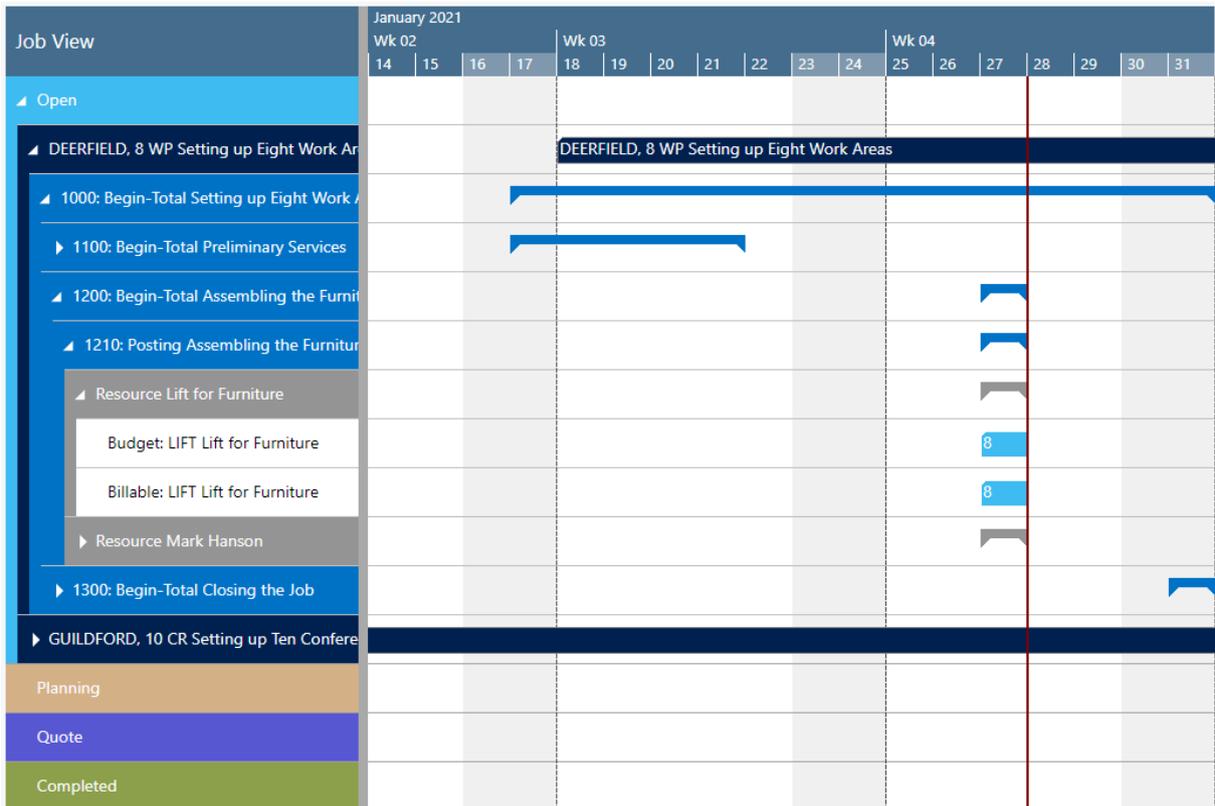
In case the “Actions” item is not visible in the menu ribbon, click “More options”, to hide it, click “Fewer options”.

3. Two different views

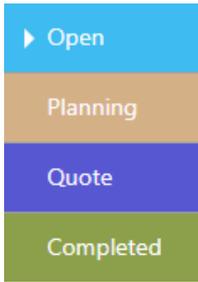
There are two different views in the VJS: the Job View, and the Resource View. You can switch between them by using the corresponding menu items:



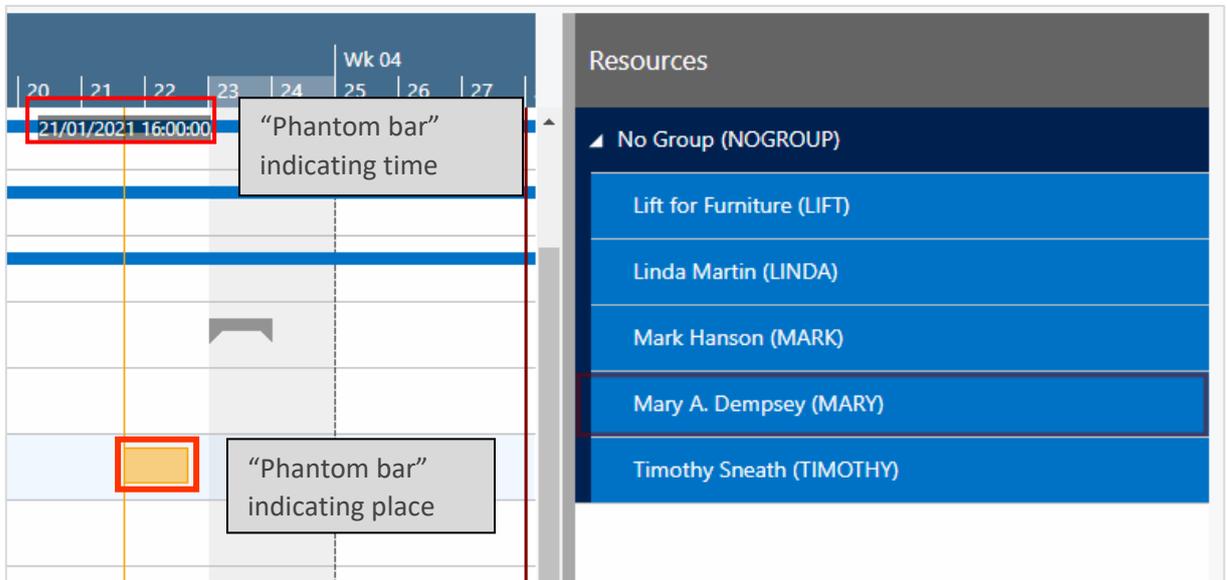
3.1. The Job View



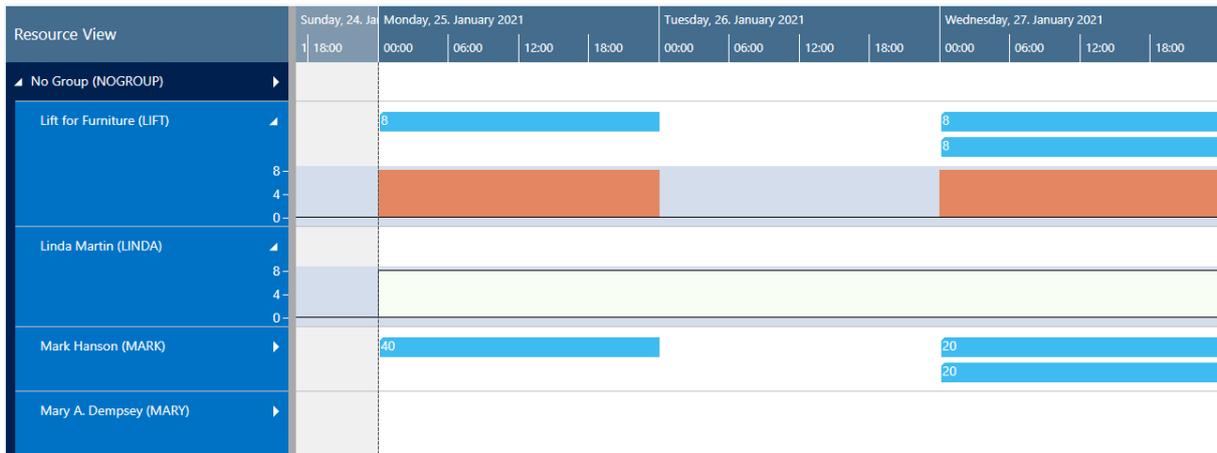
- The Job View shows jobs categorized by their status, the categories being indicated by different colors:



- Within a category, jobs and their belonging tasks are sorted in ascending numerical order, within jobs the task numbers are sorted the same.
- By switching on the “Creation Mode” the VJS displays a list with your resources. You can interactively allocate a resource by dragging it from the list to the chart. An orange “phantom” bar and an info window indicate where and when the new job planning line will be placed if you release the mouse button.



3.2. The Resource View



- Displays resource groups and their respective resources.
- Visualizes capacity bottlenecks and date conflicts.
- The different category colors are applied as in the Project View
- By switching on the “Creation Mode” the VPS displays a list with all your jobs, job planning lines and job tasks. You can interactively allocate a job task to a resource by dragging it from the list to the chart. An orange “phantom” bar and an info window indicate where and when the new job planning line will be placed if you release the mouse button.

4. Open Microsoft Dynamics 365 Business Central dialogs

The VJS fully integrates with Microsoft Dynamics 365 Business Central. This means that by double-clicking the according element (job, job planning line, resource etc.) either in the table area or in the Gantt area, you'll directly switch to the according Dynamics 365 Business Central dialogs where you can navigate and make changes as usual:

Double-clicking a job planning line...

...will call the according dialog:

JOB TASK NO.	LINE TYPE	PLANNIN... DATE	PLANNED DELIVERY DATE	DOCUME... NO.	TYPE	NO.	DESCRIPTION
1110	Budget	06.01.2021	06.01.2021		Resource	MARY	Meeting with the Customer

5. Collapsing and expanding

The VJS allows to view your data from different angles easily and quickly. Collapse and expand jobs, resource groups, groups etc. by clicking the corresponding symbols.

All projects **collapsed**:

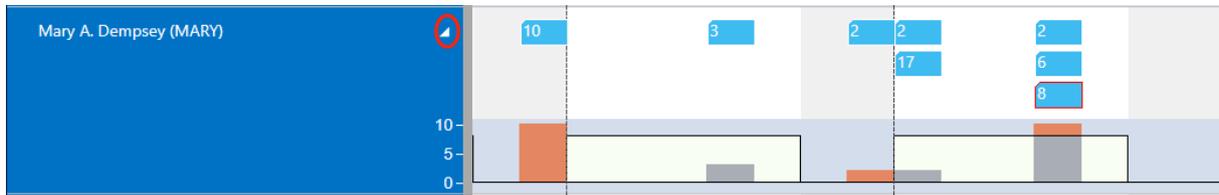
Job View	De January 2021	Wk 01	Wk 02	Wk 03	Wk 04	February 2021	Wk 05
Open							
DEERFIELD, 8 WP Setting up Eight Work Areas							
GUILDFORD, 10 CR Setting up Ten Conference Rooms							
Planning							
Quote							
Completed							

After having expanded parts of project “GUILDFORD, 10”:

Job View	De January 2021	Wk 01	Wk 02	Wk 03	Wk 04
Open					
DEERFIELD, 8 WP Setting up Eight Work Areas					
GUILDFORD, 10 CR Setting up Ten Conference Rooms					
1000: Begin-Total Setting up Ten Conference Rooms					
1100: Begin-Total Preliminary Services					
1110: Posting Determining Specifications					
Resource Mary A. Dempsey					
Budget: MARY Meeting with the Custome					

6. Capacity information

In the VJS, you can show a capacity curve in the Resource View, to see free and exceeded capacities, a red box indicating an overload:



7. Navigation in the VJS

Navigating in the VJS largely comprises setting the time range for which parts of your plan are shown, modifying the timescale solution and quickly scrolling to certain parts of your plan.

7.1. Setting the timeframe

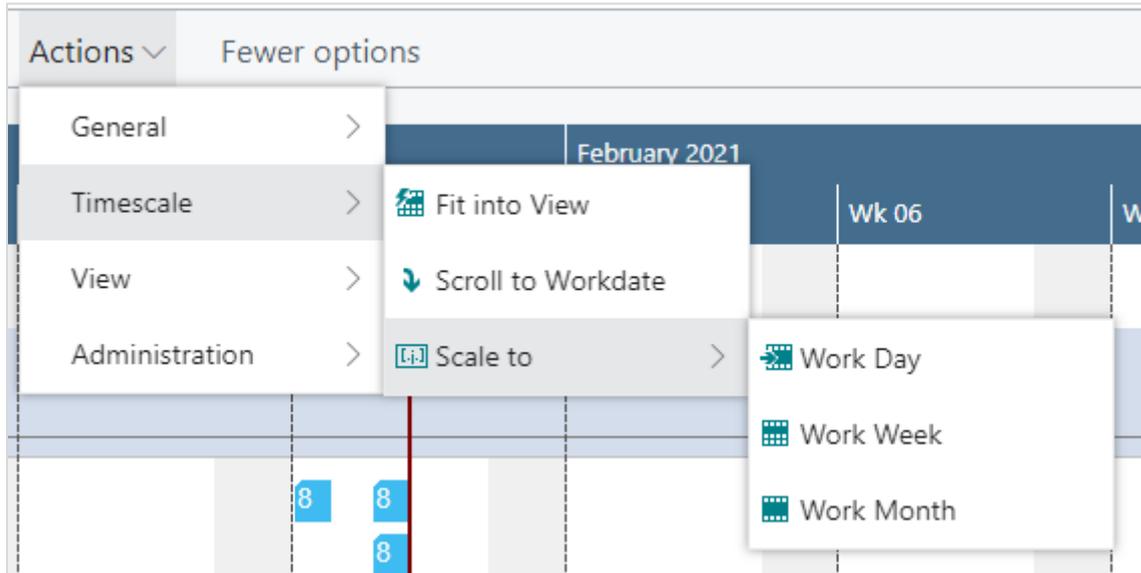
The timeframe specifies the time range covered by the timescale, either fixed by absolute values or relative to the workday. This is done in the “Setup” dialog, to be reached by clicking the “General” item in the “Actions” ribbon.

The screenshot shows the 'EDIT - VISUAL JOBS SCHEDULER SETUP - ADMIN' dialog box. The 'Timeframe Type' is set to 'Relative'. The 'Timespan' section is divided into 'ABSOLUTE VALUES' and 'RELATIVE VALUES'. The 'ABSOLUTE VALUES' section shows 'Starting Date' as 31.12.2020 and 'Ending Date' as 28.04.2021. The 'RELATIVE VALUES' section shows 'Starting Date' as -4W and 'Ending Date' as +3M. A 'Close' button is visible at the bottom right.

7.2. Change the timescale resolution

For zooming in a certain area of your plan or to zoom out for a better overview, you can change the timescale resolution either by

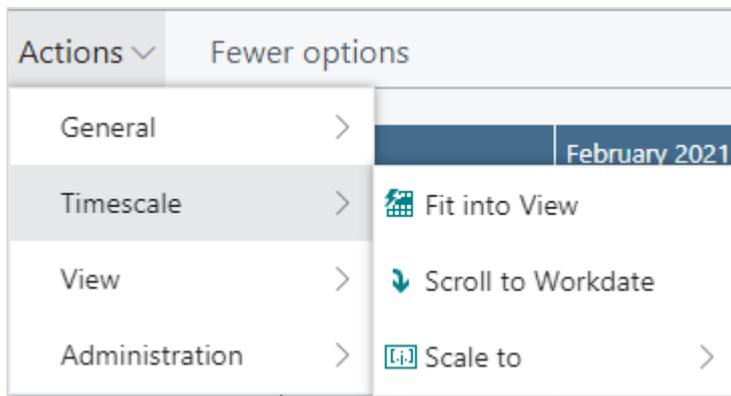
- scrolling the mouse wheel in the timescale area
- or, more specifically, by the corresponding items of the “Actions” menu, based on the work date as having been specified in the settings of Dynamics 365 Business Central.



7.3. Scrolling

The VJS offers the following options for quickly navigating to certain positions in the diagram:

- the common scrolling options by vertical and/or horizontal scrollbar
- dragging the timescale either right or left
- scroll directly to the Dynamics 365 Business Central work date by selecting the corresponding item from the “Actions” menu.

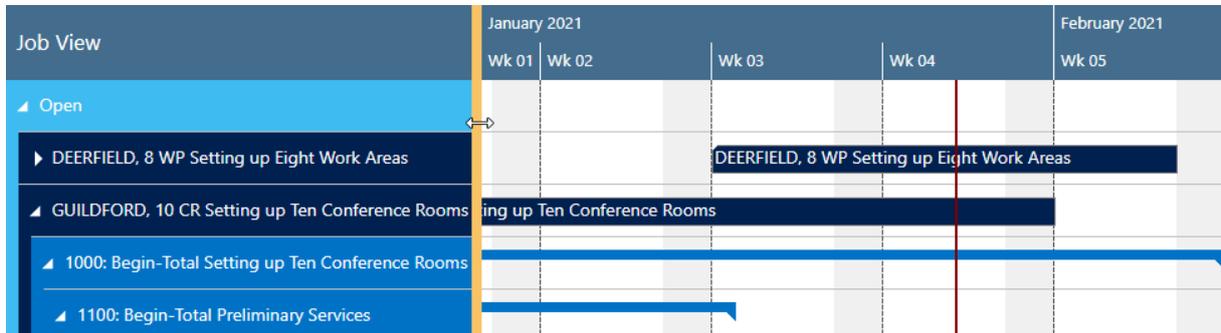


7.4. Fit into view

Select this item from the “Timescale” item in the “Actions” menu to switch directly to the timescale as defined in the “Setup” dialog.

7.5. Adjust the width ratio between table and diagram

For adjusting the width ration between table and diagram, put the mouse cursor on the sash between the two parts and drag the double arrow appearing then.

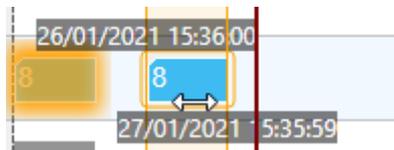


8. Move operations

You can move operations by mouse either horizontally or vertically, either way having a different impact.

8.1. Move operations horizontally by drag & drop

To schedule an operation, you can move it horizontally along the time scale both in the Job View and in the Resource View: as a consequence, the operation will be worked off at a different time. If in the Job View a job task or job planning line is moved, every subordinate operation will shift as well.



8.2. Assign an Operation to another Resource

In the Resource View, an operation can also be moved vertically when scheduled – to a different resource. As a consequence, the operation will be worked off by the resource it was moved to.



9. Reload and save data

In case you wish to discard your changes after modifying the diagram (provided you didn't save them) you can simply reload the data of the diagram. The "General" items allow to reload the former values or, alternatively, to store your modifications.

