

SYNCHRO Pro / Open Viewer / Scheduler 2019.2 (v.6.2.1.3) Release









SYNCHRO Pro

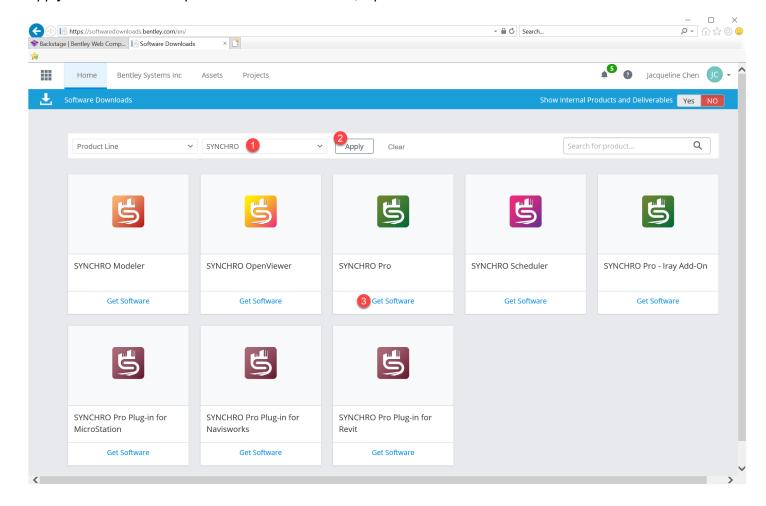
SYNCHRO Scheduler

SYNCHRO Open Viewer

SYNCHRO Plugins

Update is available here

Visit <u>Software Downloads</u> in the Bentley CONNECTION Center. Look for brand SYNCHRO, then click *Apply* to find the latest updates for SYNCHRO Pro, Open Viewer and Scheduler.

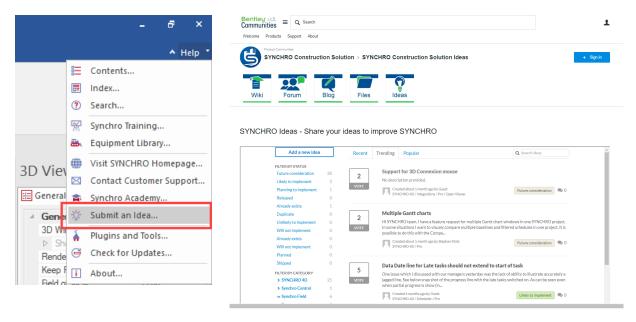




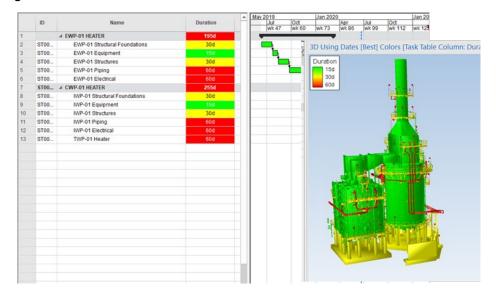


Major Improvements and New Features

1. <u>Submit your ideas</u> for improvements and new features is available from help menu and support window.



New color modes by Task and Resources table column, in addition to existing 3D table column
coloring, allows coloring model by any task, resource, or 3D parameter using Conditional
Formatting in the tables.



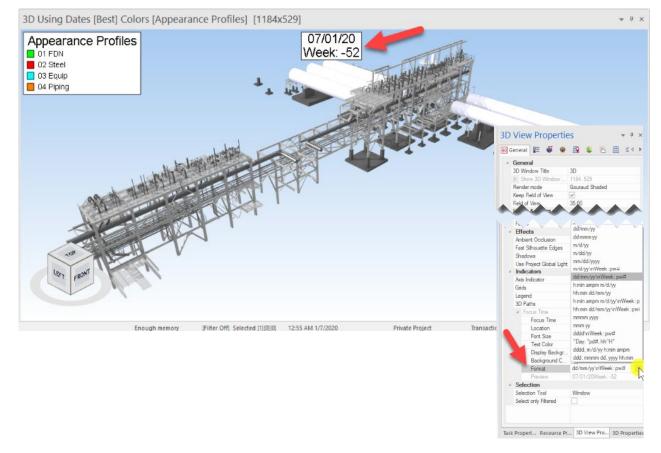




3. Legend for Task/Resource/3D table column color modes can now be displayed in 3D View.



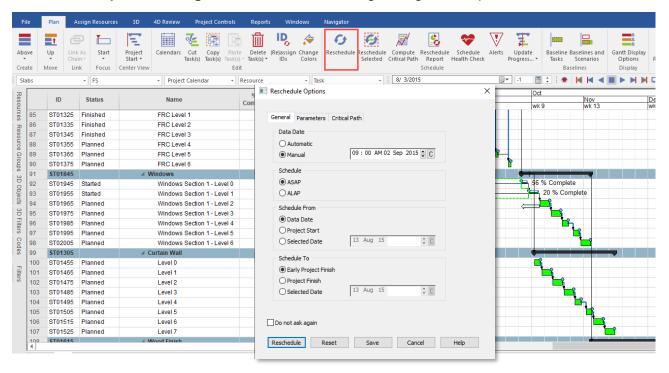
4. Custom Focus Time Indicator in 3D View Properties and Animation exports. Format the date/time any way you want: include Project Week or Day numbers. Now have the flexibility to show time of day or date only, add custom text, etc.



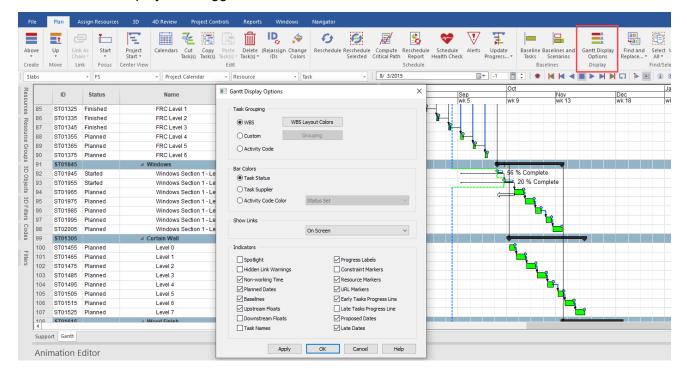




5. Reschedule Options Dialog combines all rescheduling settings in one place for ease of use.



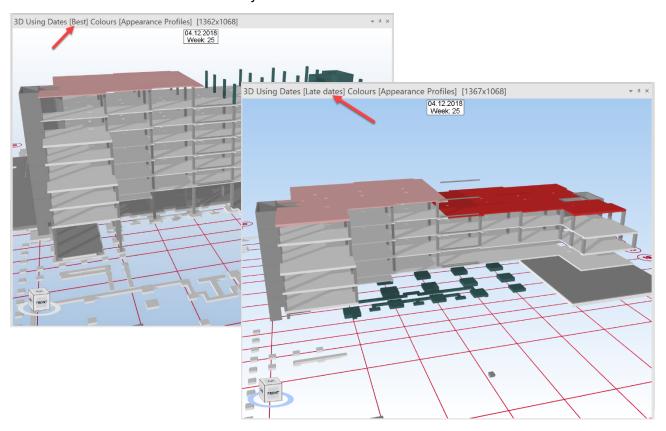
Gantt Display Options Dialog combines edit settings for Gantt Chart in one place: edit grouping, bar colors, link display, and toggle indicators on/off.



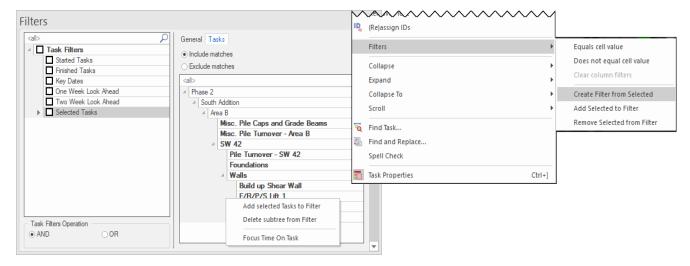




7. Late Dates Gantt bars and simulation using Late Dates can be used to compare early and late dates in the Gantt chart and in side-by-side 3D windows.



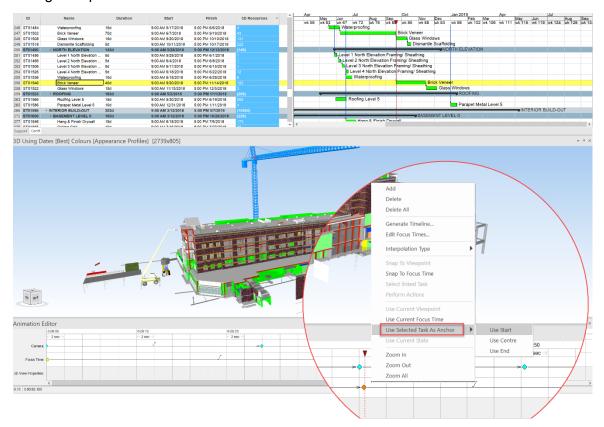
8. Save Selected Tasks as Filter can save selected Tasks as task filter for reuse later.



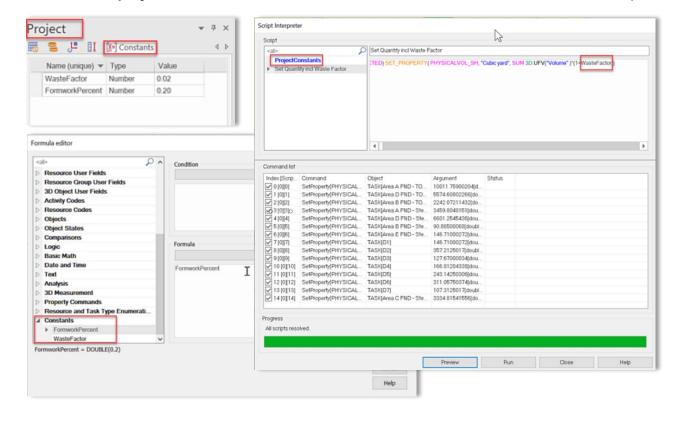




9. Focus Time keyframes linked to tasks allows automatic update of animation if schedule changes to prevent rework.



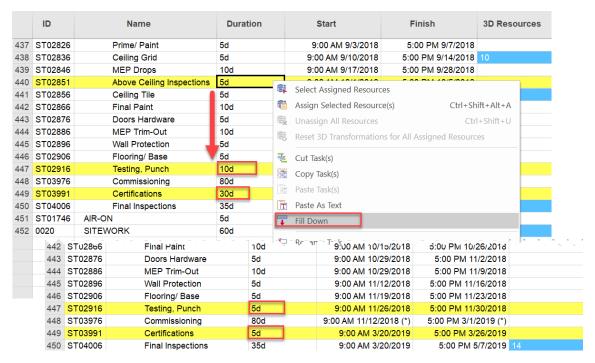
10. User-defined project Constants can be used for calculation in User Field Formulas and Script.



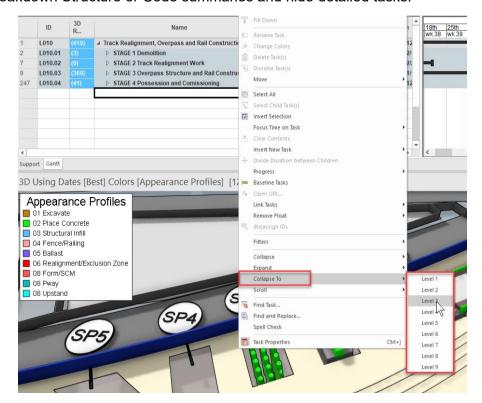




11. Fill down command in tables can easily copy parameter values to non-consecutive rows.



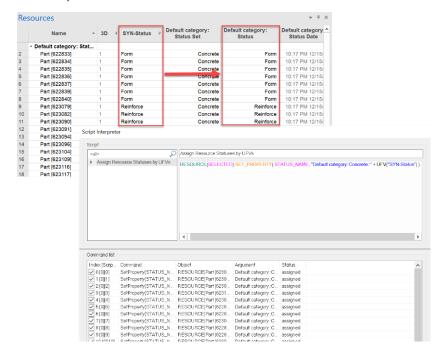
12. Collapse/Expand to a specific level in tables can quickly collapse to a certain level to show the Work Breakdown Structure or Code summaries and hide detailed tasks.







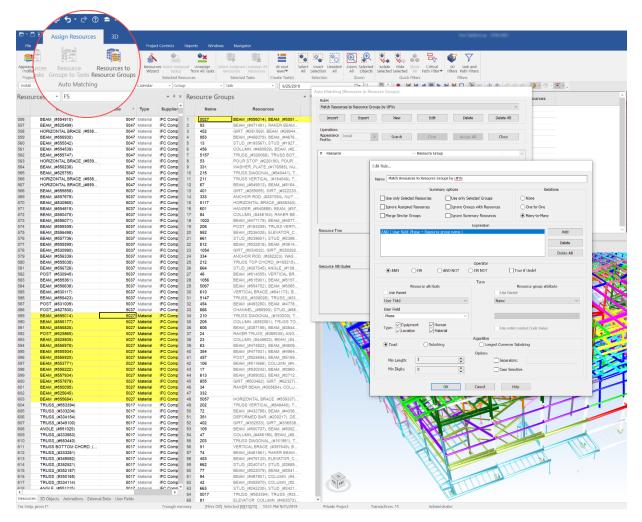
13. Assign Resource Statuses with Script in bulk based on Resource properties (e.g. User Field value).







14. Auto-match Resources to Resource Groups can automatically assign Resources in bulk to Resource Groups based on Resource properties (e.g. User Field value).



15. Separated Resources from companies allows greater flexibility in Resource tree restructuring. Company is now an optional parameter for Resources.





Other Improvements

3D

- Combined Edit > Simple/Advanced/Snapping Manipulator into one command Edit > Transform.
 Use keyboard shortcut Ctrl+M to switch between the manipulators
- Added Simulate as Remove setting for Growth Simulation to be used with Maintain and Temporary Resource Appearance Profiles. When enabled, it will appear as if the object is being removed (shrinking over time). When disabled, the object will appear as if it is being installed (growing over time)

Resources, Resource Statuses, Resource Groups

- Added ability to edit the Status Set for current Category in Resource Properties > Status Tab
- Added ability to assign selected Interruption Status on selected Resource by context menu in Resource Status window
- Add "Linear meter" resource unit type in Resource Properties > General
- When creating tasks from Resource groups: added option to link created tasks and divide duration uniformly
- Option to use current Appearance Profile or Resource Group Activity Type for Resource Group assignments
- Added commands Assign Associated Resources (Neutral profile) and Use Assign Associated
 Resources (default profile) and Remove Group assignments to assign resources from the
 assigned Resource Group separately on the same task (with and without removal of the group
 assignment itself) can be used to allow the Resource Usage to be tracked without affecting the
 appearance of the Resources or to transfer the assignment from Resource Group to directly
 assign Resources instead.

Scheduling

- Consider Data Date time of day on rescheduling
- Save baseline no longer requires select all tasks first. After Baseline Tasks is selected, user can choose whether to baseline: All, Selected, or Filtered (visible) Tasks.

Tables, Grouping, Filtering

- Custom grouping in resource group table
- Grouping by codes in Task/Resource/Resource Group tables
- Taking into account differences between no value and empty string when grouping
- Improve copy/paste functions combine Copy and Copy as Text
- "Select Filtered Tasks" command to Task Filter context menu

User Interface

- Add Philippine Peso currency
- Drag & drop User Fields to Resources/Resource Groups/3D
- Drag & drop in Resource Group window





- Select resources in 3D View when the appropriate Resource Group is selected via Task Properties
 Resource Groups
- Move 3D Paths section within Task Properties > Resources to be more accessible
- Update warning dialog when disconnecting from SWP

Performance / Memory Expense Reduction

- · Improve removal of 3D and reading old SP files
- Accelerate 3D filtering
- Optimize working with data containing a lot of UF values
- Refactor some internal data structures to reduce memory expenses and improve performance when working with huge data

Integrations (Import / Export / Synchronization)

- ProjectWise Design Integration CONNECT (v10)
- iModel 2.0 (BIM files): import and export
- Publishing SP files for SYNCHRO 4D Web Viewer service
- SPM file exporter
- Support for recent 3D CAD formats (ACIS 2019, Autodesk Inventor 2020, CATIA V5/V6 V5-6 R2019 (R29), Parasolid v31.1, ProE/Creo 6.0, SolidEdge 2019, SoildWorks 2019, UGS JT v10.2, Unigraphics NX 12.0)
- Asta Powerproject v15 support
- Safran: support import from v7.3
- Excel and SP integrations are now plug-in modules
- Improve synchronization to Primavera P6 PPM SQLite-based

Plugins

- New for Autodesk Revit 2020
- New for Autodesk Navisworks 2020
- Improve export of filters and cutting planes from Revit (all supported versions)

Bugs squashed

- Summary WBS shows 100% when there is remaining duration update to % complete formula for summary tasks
- Incorrect growth simulation of assigned Resource Groups
- Options > Gantt Chart > Activity Code Mode has no effect
- 3D Filter with multiple UF values not working for more than 2 values
- Assign STRING User Field by Script does not remove quote marks ""
- Zoom issues in Isometric view
- Ribbon buttons do not work if make docked windows floating
- Extra tasks created for blank rows on synchronise to IFC







- Various data that did not refresh until F5 (Refresh All) pressed
- SYNCHRO Scheduler: Resource Usage Graph empty
- SYNCHRO Open Viewer: displays as trial license
- Revit Plugin:
 - o Fixed the option "Export nested families as separate elements" to work with Custom Exporter
 - Fix for several elements exported as a single element in certain files

Resources

- **Help documentation:** press F1 to access directly in the product
- Tutorials: C:\Users\Public\Documents\Shared SYNCHRO Projects\Tutorial Files
- SYNCHRO Academy: https://bentley.matrixlms.com/

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