

What' s new in Synchro?

Synchro now provides new support for **Oracle's Primavera P6 Enterprise Project Management Release 7.0** in scheduling and project management in **4D BIM for Delivery**. The new version of Synchro provides "3D resource to task auto-matching" to enhance the ease of synchronizing 3D construction project plans to project scheduling.

The new Synchro release enhances systems integration, increased 3D CAD imports, 4D critical path analysis and scheduling, 4D space and time coordination, automatic linking for 3D model to task facilities and many more improvements to its users worldwide in the project delivery team.

"The Synchro User Group headed by **Jim Schrader** of **Power Construction** in Chicago has been invaluable in steering us toward the enhancements that users most value," said Dengenis.

New features in the release of Synchro 3.14.3 include:

1. 3D resource to task auto-matching
2. *HOOPS* has been upgraded to *v17.12* to improve stability on laptops with integrated *Intel 3D* graphics hardware.
3. The GUI library has been upgraded to include *Windows 7*-like look and feel.
4. Sanity checks under *Windows 7 RC* have been performed for both *Synchro Client* and *Synchro Server*.

Many other improvements have been made to:

Filters:

- 3D Objects are included automatically in the active *Filter* on import and synchronisation
- New *3D Filter* option: "Show Selected"
- New default 3D Filters: "Same as Task Filter" and "3D by Selection"
- Task filter by activity code
- Task filter by activity ID
- Resource and 3D filter enhancement (to show assigned/unassigned)
- Improved *3D Filter* behaviour for subdivided parts

Gantt:

- Gantt auto-scroll on selection 3D
- "Planned Finish" column
- New option to select behaviour on editing *Start/Finish* times (move task or change duration)
- New option "Create task below selected task" (create siblings in logic order)
- "Create task under selected task" improvements
- New option to bind "Start ASAP" constraint to arbitrary date
- Ability to assign resources to started and finished tasks
- Task ID generator
- Search tasks by task ID
- Option "Unassign All Resources" in Gantt/Task View
- New option to disable "blue" line (today's date) on Gantt

Use Profiles:

- New use profile "Maintain"
- Use profile colour and transparency enhancement
- New toolbar to display and change the active Use profile

3D:

- Create resources on 3D synchronisation
- "Create resources" wizard improvements
- Remove resource on removing 3D
- Duplicate settings from 3D View to 3D View
- Accurate camera settings
- Corrected 3D Object movement by tasks
- 3D export enhancement: export by Focus Time and Filter for IFC and DWF 3D CAD exports
- 3D exact reposition
- Advanced 3D import options: enable/disable 3D annotations, enable/disable empty objects (without geometric representation), limit 3D object tree levels (focused on the rogue "sub-part" level of the 3D data set found in some DWF Models)

AVI:

- AVI dialog enhancement
- New option to show Focus time in weeks only
- New option to generate AVI with high quality texture images
- Quality of generated AVI has been improved

Costs:

- New cost type: "Cost by Unit"
- "Cost Total" column has been included to "Task Usage" report view
- "Project Costs" dialog improvements

Navigator:

- Search by name and copy/paste in navigator tabs

Browser:

- Browser view improvements
- A separate menu item has been added to show/hide browser window like other views in Synchro.

Graphic User Interface:

- New option to show dates in national format
- URLs for companies and resources
- Company types and Unit types are shown in sorted order
- Mouse wheel works in date/time controls

Primavera Import:

- New option to merge activity codes/code values on import from different *Primavera* projects

Installer:

- Initial check of administrator authority before starting installation
- *Synchro Server* installer improvement: Possibility to input license information from installer

Note that the license policy for 3D import formats has been changed since Synchro 3.14.3.0: now CAD formats (*DGN, Catia 4/5, Pro/Engineer, SolidWorks, Parasolid, IGES, STEP*) require a separate license.