

C3D – Visual Project Control

Rami Santana





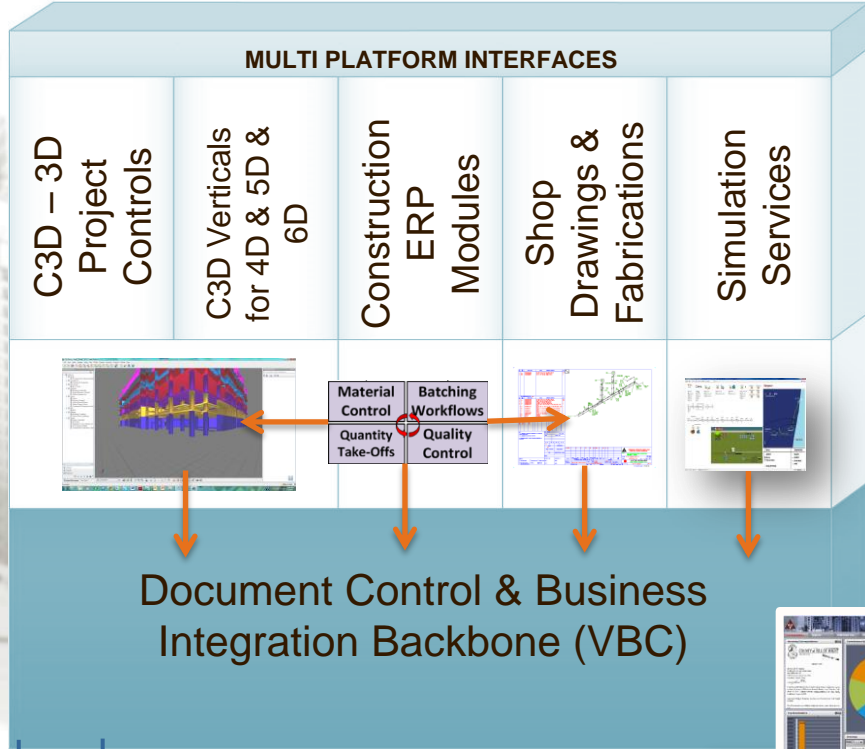
Energy: Oil & Gas, Plants and Pipelines



Gen. Construction, Heavy Civil

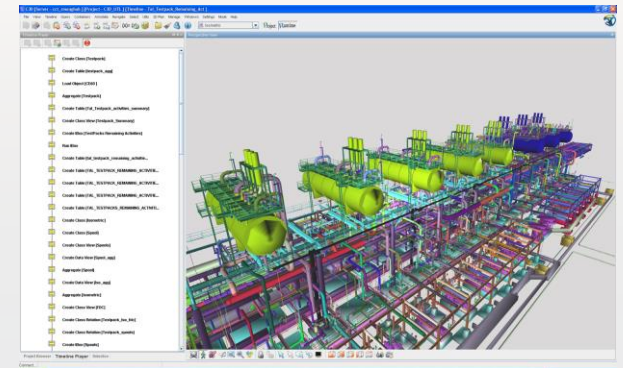


Enterprises

What is C3D

- C3D Solutions provides users with the ability to custom control a project with tools including:
 - Massive Model Visualization (US Patent No .8725466)
 - Interactive 4D Animation
 - Custom Data and CAD grouping
 - Systems Integration
 - Reporting tools
 - Dynamic 3D and Data Link
 - Workflow Builder
 - Model Review Tools
 - Simulations (what-if scenarios) and model verification.



C3D – Visual Project Controls

Smooth 3D Navigation optimized for very large models

View BIM data hierarchies in any structure you wish

The screenshot displays the C3D software interface. On the left, the Project Explorer shows a hierarchical tree of BIM data, including site, plantarea, and equipment. The central 3D view shows a complex construction site model with blue and yellow structures. On the right, the Object Properties panel is open, showing details for a selected object. At the bottom, the Component Properties table is visible, showing a single row of data.

Color	Loaded	Volume	Component ID	Modelfile	Timeline ID	ID	Object	TagName	PersistentID	Native Color	Layer
			17	STABILIZER.xml	scenarioX00000000	P_15392128	equipment	C1101	P_15392128	0	equipment

Properties on the fly

Connect Data Sources and views

Colorize, or Simulate to construction requirements (progress, material shortage, WFP)



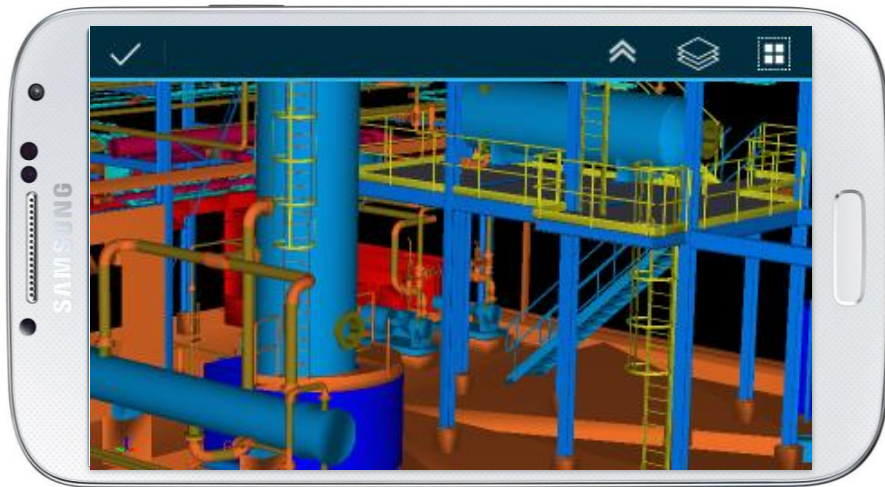
Why we use JOGL?

- Low level API Binding to OpenGL
- Ability to develop a (Native-Like) graphics engine using Java
- Performing and lightweight
- Clear separation between graphic pipeline and the Windowing System. (NEWT)
- Cross-platform (Windows, MacOS, Linux, Android)



C3D Mobile

- Mobile application with full BIM 3D and data viewing capabilities.
- More than 15,000 users to date



Usage:

- Visualize progress status
- Visualize Material availability
- Check BOQ and estimate at the component level.
- Visualize all possible constraints.

Why:

- Cant predicate all needed info before going to site
- More informed on-site decisions.

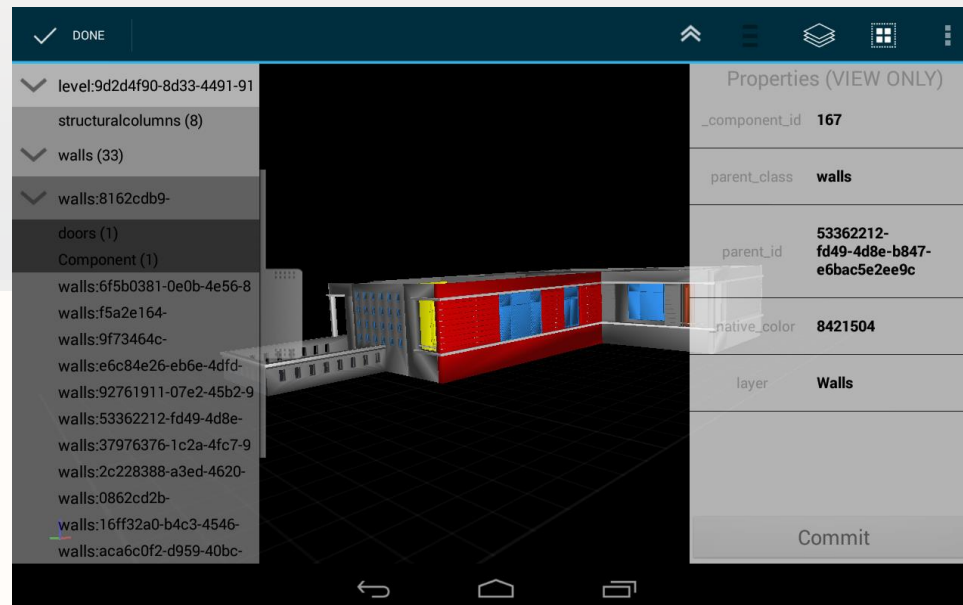
Towards a paperless Lean construction site.



C3D Mobile v2.0

Upcoming Release

- Connect to C3D Cloud Server
- Edit model associated data properties
- Initiate Approval Cycle on change.
- Model driven Object Hierarchy



Thank you

- More info:
 - Website: <http://cctintl.com>
 - Email: info@c3d.com

