MULTI PLATFORM INTERFACES

C3D – 3D Project Controls
C3D Verticals for 4D & 5D & 6D
Construction ERP Modules
Shop Drawings & Fabrications
Simulation Services

Document Control & Business Integration Backbone (VBC)

Planning Scheduling
CAD Tools
Estimation Systems
ERP Standards DBMS
GIS Legacy

Data Sources

Solutions Map

Energy: Oil & Gas, Plants and Pipelines
Gen. Construction, Heavy Civil
Enterprises

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C3D Solutions provides users with the ability to custom control a project with tools including:

- Massive Model Visualization
- 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

- View BIM data hierarchies in any structure you wish
- Sort BIM components as needed and by any class or value
- Properties on the fly
- Colorize according to construction requirements (progress, material shortage, WFP)
- Smooth 3D Navigation optimized for very large models
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)
Annotions & Markups

Jogl Graph API usecase

• Utilize JOGL - Graph API for Real time Resolution Independent Annotations and markups.
Annotations & Markups

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C3D Mobile

- **Portability:**
  - Mobile application with full BIM 3D and data viewing capabilities.
  - To be publicly released in Q3 2013

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

**Why:**
- Can't predicate all needed info before going to site
- More informed on-site decisions.

Towards a paperless Lean construction site.
C3D Mobile

- Uses latest Android SDK features, including new UI and widgets.
- Supports Action Bar & Option Menu for older devices.
- Integrate Android’s Fragments on-top of the fullscreen Newt Window with traversable control.
Thank you

• More info:
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