



ConstructSim Systems Completion

Automated Project Closeout and Turnover

ConstructSim Systems Completion is an automated inspection solution that accelerates completion and commissioning with data mobility and transparency. Manual data collection is replaced by an automated workflow that gives construction and commissioning teams a complete, system-driven turnover process.

Accelerate Progress and Validate Readiness for Faster Project Turnover and Increased Safety

Construction and commissioning teams can improve their transparency and collaboration to increase productivity, anticipate project changes, and reduce project risks. Project dashboards provide powerful visibility and help deliver increased profitability from system readiness insights with early handover and turnover forecasting. Project safety is also increased with a documented, witnessed, and confirmed asset register for turnover.

Streamline Inspections with Automation

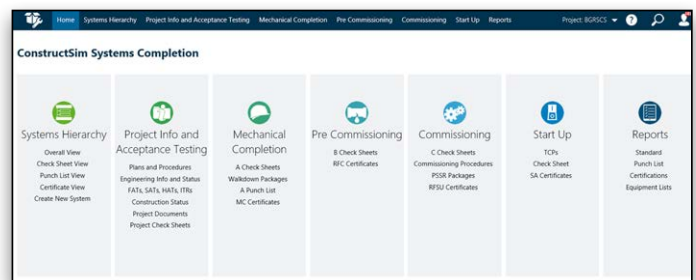
Systems completion is about organizing, planning, tracking, and documenting the inspections needed to transition a project from construction to operations. ConstructSim Systems Completion provides a systematic inspection process to transition a system through construction, commissioning, and start-up phases into stable operations. This innovative cloud service automates your system check sheets, punch list items, and certificates using the most up-to-date project information, vendor data, and progress data. When workflows advance, automated notifications keep the project teams moving.

Information Mobility and Interoperability

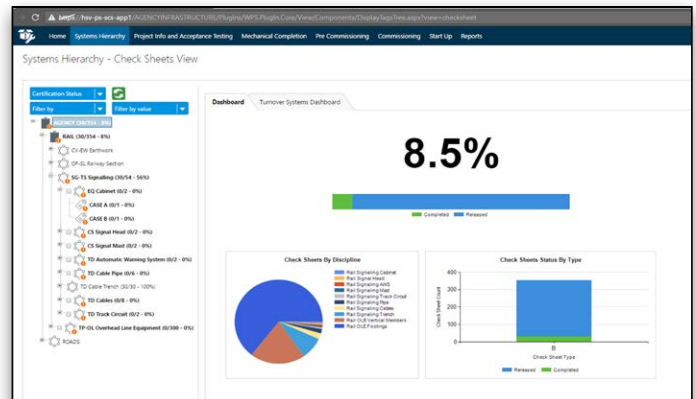
Better commissioning starts with better information management. ConstructSim Systems Completion consolidates all the necessary systems data, models, drawings, and construction information for completing project inspections. Mobile workflows enable construction and commissioning teams to expedite system handover and turnover with real-time updates or off-line syncing of progress.

Holistic Project Dashboard and Reporting

Key performance indicators are highlighted in a graphical project dashboard that shows stakeholders the status of a project, system, sub-system, or tag. Planners can generate informative reports to prepare system walk-downs and optimize resource availability. Inspectors can see real-time system status to plan daily activities.



ConstructSim Systems Completion automates testing and inspection workflows for real-time project status and reporting.



Key performance indicators are highlighted in a graphical project dashboard.

System Turnover Planning

Inspectors use the interactive, Web-based interface to view system progress and certificates. They can assign and track check sheets and punch list items in real time. Insight into current data enables users to make proactive adjustments to ensure a timely handover.

Benefiting EPCs, General Contractors, and Owners

For constructors, ConstructSim Systems Completion aligns engineering, construction, and commissioning teams with system-driven turnover. System completions become more predictable and improve supply chain management for better project outcomes.

System Requirements

ConstructSim's Advanced Work Packaging and Systems Completion cloud services solution delivers visibility into the path of construction and enables systems-driven completions.

ConstructSim

Applications Include:

ConstructSim Work Package Server
ConstructSim Planner
ConstructSim Systems Completion

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ConstructSim Systems Completion At-A-Glance

Automated Inspections

- Automated environment for system completion progressing and status reporting
- Create, publish, edit, manage, and distribute check sheets
- Out-of-the-box checklists or customizable forms
- Control construction and completions inspections for:
 - » Architectural
 - » Civil
 - » HVAC
 - » Piping
 - » Cable and cable tray
 - » Electrical
 - » Instrumentation
 - » Structural steel
 - » Mechanical equipment
 - » Telecommunications
- Ability to add custom disciplines and activities for system packaging
- Powerful search and filter capabilities to locate equipment component and tag details
- Interactively explore system progress and certificates
- Automated aggregation of information for swift systems completion

Information Mobility

- Consolidate information relative to the project, regardless of type or format, into one secure location
- Searchable metadata to find the correct documents and information
- Manage and display the relationships between documents, materials, systems, components, punch list items, and drawings
- Role-based user access control
- Support for multiple projects and cross-project reporting rollups
- Web-based interface for simplified deployment and access
- Framework for integration with engineering and scheduling systems

- Mobile applications for access from the field and on-the-go
- Search all systems completion content:
 - » Documents
 - » Components
 - » Punch-list Items
 - » System package services:
 - » Issue construction and commissioning activities per subsystem
- Create and manage:
 - » Walkdown packages
 - » Loop folders
 - » Handover packages
 - » Turnover packages for owner acceptance
- Automate extraction of source drawings and related documents
- Change awareness and management of related systems
- Automated tracking of task hours
- Field progress management
- Assignment of key personnel to tasks
- Key metric reports

Holistic Project Reporting and Insight

- View project status from a Web-based dashboard at the project, system, subsystem, or tag level
- Create reports and dashboards using Microsoft SQL Server Reporting Services
- Create program-level reports by:
 - » Project
 - » System
 - » Sub-system
 - » Mechanical completion progress
 - » Pre-commissioning progress
 - » Commissioning progress
 - » Check sheet status
 - » Punch-list status
- Generate and distribute custom reports on variances, status, testing, and more
- Present and analyze data via dashboards