



# Intergraph Smart<sup>®</sup> Completions

Drive Productivity through Re-use of Best Practice, Mobility and Full Digital Approach from Engineering through Startup

## What is Completions & Commissioning?

“The process of assuring that all systems and components of a building or industrial plant are designed, installed, tested, operated and maintained according to the operational requirements of the owner.”

## Intergraph Smart Completions Covers All System Completions Activities

- Receipt Verification
- Mechanical Completion
- Static Commissioning
- Dynamic Commissioning
- Turnover
- Punchlist Management
- MOC / NOE / Parts and BOM
- Health & Safety
- Digital Certificates and Digital Approvals
- Preservation and Non Compliances
- Scheduling
- Real-time Status Reporting and Project Communication
- O&M and Turnaround Management
- Commissioning DMS

## Highly Configurable

- Module Configuration (on/off, workflows, notifications)
- Extensibility via Data Exchange Module (API Connectors & Automated XLS Data Transfer)
- Role Profiles
- Color Themes
- Localization Available

## Multiple Project Configuration

Build templates and re-use execution philosophy on sustaining capital projects and shutdown/turnaround after initial project completion.

## Mobility

- Online/Offline (Sync)
- Free Windows/iOS App
- Multiple Project Access
- Capture Equipment and Nameplate Images
- Annotating Images
- Full Digitally Enabled Forms
- Punchlist Entry Including Images
- Track Progress (step) vs. Completion (task) Reporting
- GPS Capture

## Automated Package Builder

Automate work packages, or job cards, by using a creation wizard that correlates checksheets by common attributes; systemization/location, discipline, WBS, etc. It will create packages where they can be scheduled and assigned to specific companies, work groups or projects.

All Work Packages can be printed into paper packages, or can be digitally checked out and execute into the field with all supportive documentation and pending punches, all within a simple press of a “sync” button.

## Architecture

- Web-based Technology
- SaaS to be first offering
- Localization enabled, however, clients would assist in translating
- IOS and Windows Mobile applications are free

## Supplemental Safety Modules

- Confined Spaces
- Near Misses
- Permit to Work (PTW)
- Job Hazard Analysis (JHA)
- Hazard Identification & Risk Assessment
- Isolations

## Typical User Base

- Oil & Gas
- Mining & Metals
- Power & Utility
- Chemical Companies

EPCs and Owner/Operators are transitioning to an integrated environment to reduce delays through improved collaboration and information accessibility

- EPCs
- Owner/Operators
- Service Providers

## Implementation Roadmap

Everything you need to simplify the planning, execution and custody transfer of equipment and information through turnover to operations.

- Data Management/Loading
- Smart Forms Configuration & Business Norms Setup
- Planning & Package Development
- Training
- POC Measurement Criteria
- Full Deployment
- Go Live
- Transition Planning

## Key Benefits of Smart Completions

- More sophisticated approach to project portfolios (standardization)
- Quick to deploy
- Fully Scalable
- Transparent and consistent reporting across vendors
- Simplify re-use of best practices on new projects
- Single Repository of data
- Demonstrate Technical Integrity across all phases of the project
- Paperless mobile execution with real time reporting for inspections, punch items and turnover
- Automatic work package/job car compilation
- Automatic turnover package compilation and submission to operator
- Equipment history for warranty and maintenance
- Integration with other products – Hexagon solutions like Smart® P&ID and HxGN SDx and third-party solutions

## About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at [hexagon.com](http://hexagon.com) and follow us @HexagonAB.