Agile Handover Releases *Digital Handover Management*, Powered by iTwin®

Digitally validate and curate project-centric data and documents for digital twin and operations views

HOUSTON, TX, March 22, 2022 – Agile Handover, LLC, the leading information technology company specializing in digital transformation solutions, today announced release of [Digital Handover Management, Powered by iTwin.](#) Built on the [Bentley iTwin platform](#), Digital Handover Management is a solution for extracting and processing engineering data—stored in drawings and models—to ensure completeness and quality of data for project and O&M submittal requirements.

Contractors and infrastructure owners face several challenges on their digital transformation journey to achieve their asset digitization strategies. To succeed, they need a collaborative, efficient, cost-effective and repeatable submittal validation solution that automates information handover from design, construction, commissioning, etc., to operations and maintenance. The process of supporting maturity model stage milestone requirements can suffer from latency and incomplete information, which can introduce hidden costs to asset-centric handover. Complex and disparate data schemas—within project contractor software tools—are difficult to validate against submittal requirements, which makes it challenging to curate a final, complete and accurate view of information throughout the asset life cycle.

Digital Handover Management, Powered by iTwin addresses these challenges by providing server processes for management of requirements, quality control, transformation, association/data stitching and change/integration. The solution automates best-practice continuous handover procedures, improving data and document integrity for down-stream use, and reduces operational transaction costs. Automated reporting and visualization enable continuous, efficient, and cost effective best practice workflows to quantify completeness and data validation for accuracy on all received submittal deliverables for maturity model stage milestones. The solution provides automated extraction of complex and disparate 3-D model schema and data attributes. It also normalizes maturity model stage submittal requirements, validates asset dependency of field type data, and stitches the information relationships, transformation and aggregation of required info for submittal handover.

Digital Handover Management, Powered by iTwin is currently focused on supporting the oil and gas and rail markets by providing distinct value propositions for digital twin and operations workflows. The owner/contractor collaborative submittal solution has been validated by oil and gas users and has demonstrated a reduction in handover costs by 50-90%. The solution extracts and stitches P&ID iModels with external data sources to validate against tag standards and generate reports of missing information or equipment. The solution then digitally curates complete and accurate project-centric handovers to asset registers for digital twin and operations views.

Testing done by rail users have shown a reduction of digital handover quantity estimating costs by implementing an owner/contractor defined model aggregation and calculation solution. The Digital

Handover Management solution extracts disparate BIM, civil and GIS model information for classification standardization to owner classification, Uniclass system, and Building Data Group classification. The solution then digitally automates the asset aggregation and quantity calculation reports for volume, length, diameter, width and mass.

"The Bentley iTwin platform provides us a uniform foundation to access engineering data from many engineering disciplines and technology systems," said Hong Gao, Vice President of Engineering. "The open technology stack and robust data modeling capabilities free us to focus on the data and deliver our added value of providing automated services for extracting, cleansing, validating, transforming, and stitching data and documents from GC and EPC projects to the owner's O&M submittal requirements."

"We are very pleased to have Agile Handover add their new Digital Handover Management application to the Powered by iTwin® program," said Adam Klatzkin, Vice President, iTwin platform, at Bentley Systems. "In doing so, Agile Handover joins a growing ecosystem of developers building digital twin applications on the iTwin platform. Digital Handover Management, Powered by iTwin is a great example of how software developers can leverage digital twin technology to help owners and operators increase the efficiency of infrastructure management. Their innovative handover solution reduces labor costs by providing automated QA/QC reporting services for completeness and quality of O&M information."

About Agile Handover
Agile Handover is the leading global information technology company specializing in Digital Handover Management. We are technologists, solution consultants, and information processing Subject Matter Experts that implement and deploy our Digital Transformation solution to support Asset Digitization strategies. Our patented Digital Handover Management™ solution provides a system and methodology for automating information handover from design, construction, commissioning, etc. to Digital Twins and operations and maintenance systems.

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