



Image Courtesy of City of Helsinki

iTwin® Experience

Analyze, Manage, and Share Infrastructure Digital Twins

Unlock the value of your data for asset owners, operators, and the entire supply chain. iTwin Experience enables game-changing 3D and 4D visualization of multiple formats and systems of data, making it easier to digest the overall context. A more comprehensive view helps stakeholders to analyze, manage, and share infrastructure digital twins. iTwin Experience frees previously siloed data across an organization, from both Bentley and non-Bentley applications, drastically simplifying the data sharing process and aligning data into actionable, accurate business intelligence for broader insights.

Even if you already have a digital twin, you can create, amplify, and curate your digital twin environment through contextualized visualization that supports a deeper understanding of critical infrastructure for improved business outcomes.



"We partnered with Bentley as we both wanted to use technology to improve inspection workflows. We have all this information at our fingertips that we've never had before." – Barritt Lovelace, P.E. Director of UAS, Collins Engineers

VISUALIZE

Through a single pane of glass, you can view critical infrastructure in a spatial context. iTwin Experience brings siloed data together, such as projects, assets, BIM, reality data, GIS, and Internet of Things (IoT) data, as well as enterprise system data (ET). You can unify disparate data and align all data sets into valuable, actionable, accurate, and trusted business intelligence.

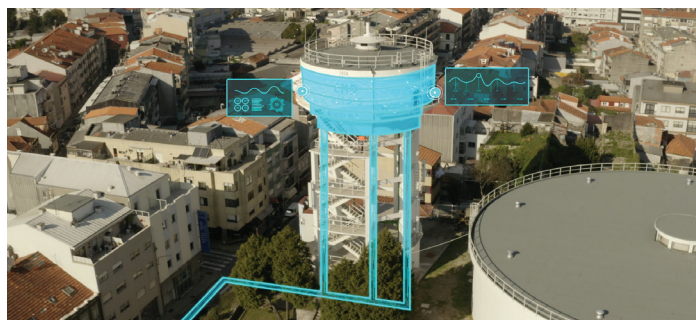
ANALYZE

Immerse stakeholders into a 360-degree view for broader comprehension. This view makes your portfolio more intuitive for all, helping them to simulate different outcomes, pick and choose layers of data to see and query, and broaden comprehension for decision-making. Connect engineering, spatial, and enterprise data through iTwin Experience, and leverage data to minimize operational unknowns, operational and capital expenditures, and losses.

FASTER ROI

iTwin Experience allows more users to benefit from your digital twin with more immersive visualization, automation, artificial intelligence, and reality data. This visualization, access to all data, and reporting enables a deeper understanding that you can tailor by workflows. With a single source of valuable information, you will increase your return on investment as project contributors can leverage comprehensive insights for their work.

Modeling digital worlds may be challenging, even for experienced users. Having a single digital twin of the same asset or an entire portfolio simplifies sharing and coordinating the exchange of information. iTwin Experience enables administrators to manage the data, included in their iTwin from integrated sources, to ensure it is aligned, in context, and ready to be shared inside and outside their organization.



"The digital twin will bring all the data together in order to unify [it] to help create new insights, without having to use different software which doesn't communicate to each other." – Cecilia Correia, Senior Water Solutions Manager, Bentley Systems

SYSTEM REQUIREMENTS

MINIMUM: Intel or AMD 64-bit processor 1.0 GHz or greater, 2 GB memory, Intel HD Graphics 520 video.

RECOMMENDED: Intel or AMD 64-bit processor 2.8 GHz or greater, 8 GB or more memory for improved performance for larger models, dedicated graphics card with minimum of 2 GB VRAM or more.

BROWSER COMPATIBILITY: Chrome, Firefox, Safari, Opera, or Edge

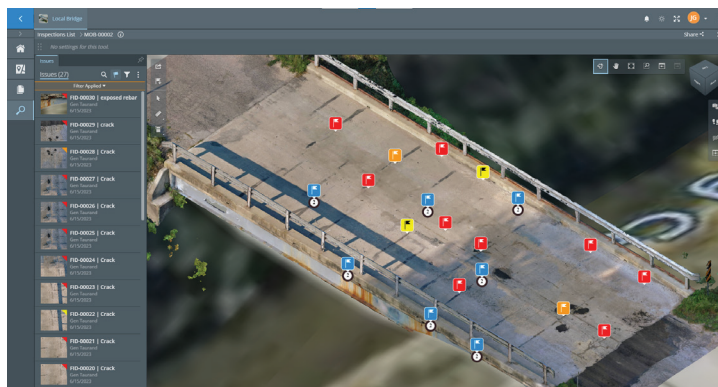
iTwin Experience At-a-Glance

IMMERSIVE VISUALIZATION

- ♦ Visualize and engage with your portfolio of projects and assets in full digital context
- ♦ Prepare curated scenes of your digital twin for specific personas to ensure it can be contextualized for specific workflows and stakeholders
- ♦ Amplify impact with an intuitive, geo-coordinated environment
- ♦ Immersive visualization of BIM, reality data, GIS and more in a single intuitive environment
- ♦ Gather portfolio level insights or drill into specific details on individual assets

CREATE AND MANAGE YOUR DIGITAL TWIN

- ♦ Curate BIM data, reality data, GIS data, IoT data, and more into an enterprise digital twin to share with your organization and supply chain
- ♦ Ensure each user has access to the correct data and software to maximize their workflows
- ♦ Aggregate and view models from multiple sources in one digital twin
- ♦ Generate insights from 1D, 2D, and 3D data in context



Spend more time performing the job to be done than gathering, reviewing, and governing data from multiple sources. Reduce rework and provide reliable visibility across infrastructure lifecycles.

REMOTE INSPECTIONS AND ISSUE RESOLUTION

- ♦ Augment your inspection process by leveraging reality data before, during, and after your field inspection
- ♦ Create annotations and issues in 3D context as part of the inspection
- ♦ Assign and track issues to a role or a user
- ♦ Add comments, attachments, images, and mark-ups
- ♦ Track and update all issues collaboratively and remotely through the cloud
- ♦ Open environment enables seamless collaboration

OPEN, INTEGRATED, AND INTEROPERABLE

- ♦ Achieve faster ROI and unlock the value of your data by making it discoverable and accessible to your organization
- ♦ Provide a holistic experience of your digital twin across the asset lifecycle for your organization
- ♦ Leverage iTwin Capture and iTwin IoT to extend the value of your digital twin
- ♦ Manage users and access to cloud application
- ♦ Refresh/modify links to external data
- ♦ User-customizable reports with Power BI



Allow more users to benefit from your digital twin with automation, AI, and reality data. Increase ROI faster with comprehensive insights gained via drastically simplified data sharing process.