

Bentley[®]
Advancing Infrastructure



PlantSight[®]



Every real-world operating plant is characterized by cumulative evolution, both to its brownfield physical condition and to the varied types and formats of corresponding engineering data. Accordingly, as-operated digital twins must reliably synchronize reflections of the physical reality and its virtual engineering representations. Moreover, frequent changes are inevitable. For process industries, typified by ongoing capital projects, the effectiveness of digital twins depends upon the integrity and accessibility of as-operated information presented, and continuously updated, in trusted 2D schematic and 3D model formats.

PlantSight

» PlantSight is a set of cloud-enabled services from Bentley and Siemens that delivers a solution, which significantly reduces the operating costs for owner-operators through everyday use and an update of trusted plant information in an operational digital twin. It provides a complete plant overview in a consolidated and validated data model for an evergreen digital twin. The digital solution allows those involved in maintenance and operations to easily access all relevant engineering and operations information in common formats including P&IDs and 3D models and add comments or correct information from the web and handheld devices. With PlantSight's cloud-enabled services, users can add redlines and markups, visualize operations and maintenance planning, make repairs, and overhaul tasks.

Now is the Time

PlantSight is a portal for engineers, operators, and field technicians that allows access to models, drawings, and data to assure that as-operated changes are timely and accurately captured and managed through PlantSight's ledger of changes, for assured fidelity. With PlantSight you can:

- » Enhance visualization of the digital context for verification, validation, and decision-making support that provides immersive and interactive modeling to visually check information to improve the overall integrity and quality of the operating plant.
- » Leverage an open, connected data environment to make informed decisions from an aggregated, validated, and managed digital twin.
- » Utilize engineering models from various sources to verify and validate the as-operated condition of the asset to create and extract valuable engineering information from closed, proprietary plant design applications to reduce costs.

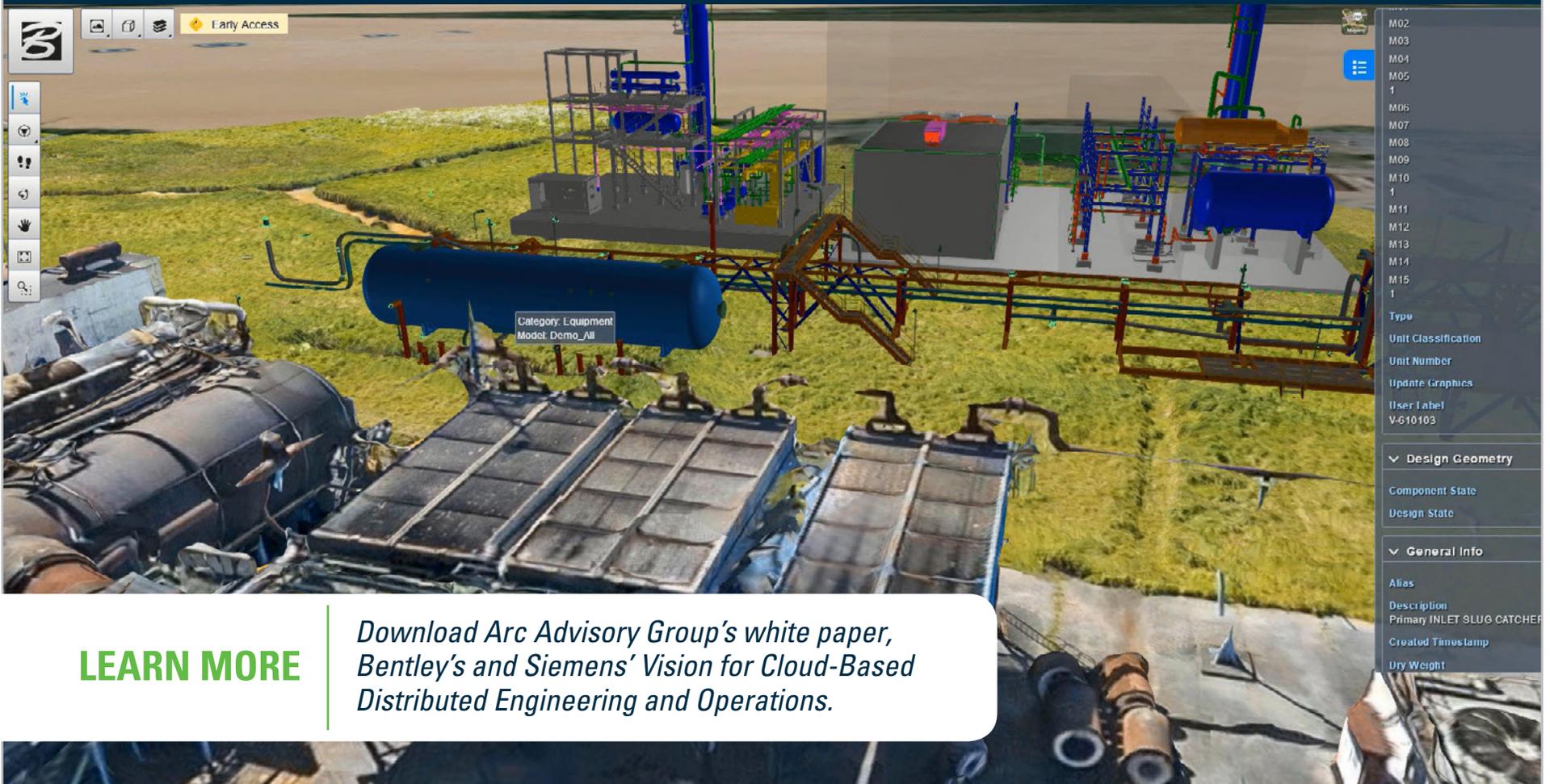


PlantSight Use Cases [\(click to view videos\)](#)

- 1 Portal**: A screenshot of the PlantSight user interface showing a dashboard with various data points and navigation options.
- 2 Acquisition**: A screenshot of the 'New ID Import' form, showing fields for 'Description' and 'Data source'.
- 3 Aggregation**: A screenshot of the 'Aggregate Data' form, showing fields for 'Model name', 'Model ID', and 'Data source'.
- 4 Visualization**: A 3D visualization of an industrial plant or refinery with various structures and piping.
- 5 Web Editing**: A screenshot of a web page with handwritten annotations in red and pink, including 'P002' and 'E022'.
- 6 Authoring**: A screenshot of a document or drawing with a grid and various annotations.
- 7 Brownfield**: A 3D visualization of a yellow pipe or structure within a complex industrial model.
- 8 Versioning**: A screenshot of a document or drawing showing different versions or states of a design.

The cloud-based workflows available through PlantSight allow engineers and plant operators to get just-in-time access to their data through any web-capable device. The workflows save time and costs associated with having to search and verify the validity of old paper records or disconnected data repositories.

Start using PlantSight and bring light to your dark-data sources to create an operational digital twin!



LEARN MORE

Download Arc Advisory Group's white paper, Bentley's and Siemens' Vision for Cloud-Based Distributed Engineering and Operations.



Bentley Systems is the leading global provider of software solutions to engineers, architects, geospatial professionals, constructors, and owner-operators for the design, construction, and operations of infrastructure. Bentley's *MicroStation*[®]-based engineering and BIM applications, and its digital twin cloud services, advance the project delivery (*ProjectWise*[®]) and the asset performance (*AssetWise*[®]) of transportation and other public works, utilities, industrial and resources plants, and commercial and institutional facilities.

Bentley Systems employs more than 3,500 colleagues, generates annual revenues of \$700 million in 170 countries, and has invested more than \$1 billion in research, development, and acquisitions since 2012. From inception in 1984, the company has remained majority-owned by its five founding Bentley brothers. Bentley shares transact by invitation on the NASDAQ Private Market; strategic partner Siemens AG has accumulated a non-voting minority stake.

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