# AGGREGATE PROJECT DATA TO UNCOVER SIGNIFICANT ORGANIZATIONAL VALUE

Today's capital projects are more complex than ever. Many stakeholders are often involved and each may use different software to manage designs, costs, schedules and assets. Lack of interoperability between these systems increases the risk of overruns, change orders, and miscommunication between key project stakeholders.

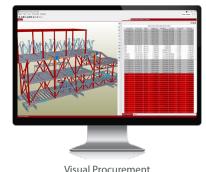
To solve this problem, InfinyD consolidates data from disparate sources to create a single platform that can be leveraged across the project lifecycle. InfinyD is not a design tool. It instead links business data into a project information model that merges details about every object that needs to be manufactured, installed or constructed. With InfinyD, project teams share a model that becomes enriched with relevant project

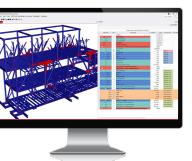
data, ensuring better communication, alignment and efficiency. By collecting relevant project data during project execution, the turnover process is streamlined, allowing owners to perform ongoing maintenance more efficiently.

Delivering Value from Your Project Data

- Streamline stakeholder communications
- Gain real-time status across systems and disciplines
- Increase material management efficiency
- View and address schedule impacts earlier
- Avoid rework and project delays
- Compare plans to actuals in real time
- Enable full asset information management







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Visual Estimating

#### **ABOUT INEIGHT**

With applications trusted for more than 25 years, InEight combines proven software technology with a unified vision to help companies visualize, estimate, manage, control and connect all aspects of capital and maintenance projects. InEight now has more than 20,000 users in more than 500 companies in 33 countries.

The InEight solution portfolio enables project-driven companies to get the visibility and control they need to avoid surprises, increase operational efficiency and improve profitability across the project lifecycle. Based in Scottsdale, Ariz., InEight is a subsidiary of Kiewit Corporation (Kiewit). Kiewit, through its subsidiaries, is one of North America's largest and most respected construction and engineering organizations.

Scottsdale

London

Bangalore

Sydney







# MAKE BETTER DECISIONS WITH **CONNECTED MODELS**

Oil & gas construction projects — offshore platforms, rigs, refineries and other facilities — can be massive projects that take years to complete.

To keep projects moving forward, contractors must continually track a variety of moving parts, including material purchases, deliveries, and pipefitting schedules.

To ensure everything proceeds as expected, procurement professionals need to constantly update their material requirement forecasts and then closely monitor delivery schedules. On the job site, material consumption must be tracked to avoid both shortages and overages. Lack of coordination between the purchasing and operational teams can quickly lead to excessive costs and project delays.

#### **OUANTITY TRENDING**

By better understanding material usage rates, procurement professionals can order materials more efficiently. InfinyD links design models with scheduling, estimating, accounting and ERP systems to help determine timing, quantity, and location of material requirements. Having the right material in the right amount at the right time can reduce the risk of cost overruns and delays, increasing overall profitability.

#### PROJECT STATUS

InfinyD provides a central repository for all virtual design and construction (VDC) data across the project lifecycle. Design data from authoring solutions can be aggregated into the InfinyD database, providing a single source of the truth. This increases visibility into project operations, allowing users to more accurately track overall project performance. InfinyD can also simplify stakeholder communication and reporting by integrating business process workflows across other project-related systems.





- Compatible with Industry Foundation Classes (IFC), Navisworks (NWD) and more than 100 other file formats
- Common data environment
- Process integration
- Data generation
- Federated model
- Data validation
- Field forms
- Project reports Discipline reports
- Material reports Status reports
- Trend reports













# ACOUIRE AND HARMONIZE DESIGN DATA

- Consolidate data from design authoring systems and other systems into an aggregated project information model
- Catalog 3-D models and associated data in a database (not a file) to simplify data storage and accessibility

# **AUGMENT DATA**

- Enrich models with new "dimensions" such as documentation and inspection history
- Define custom data operations to automatically augment data into the model
- Implement a mature business system integration strategy that enables information modeling across the entire project portfolio

# BETTER DATA MANAGEMENT

- Maintain control with versioning of model submissions and business system information
- Leverage advanced search methods to interrogate business and model data to better answer questions and reduce risk

#### **COMMUNICATE VISUALLY**

- Deploy an aggregated model that provides a single source of truth for project data across Windows, web and mobile clients
- Increase stakeholder communication with an industry-leading approach to model, metadata and business system reporting

# **IMPROVE OPERATIONS**

- Create an enriched experience that can take projects beyond 4-D and 5-D and incorporate proven business processes to reduce wait times and increase productivity
- Status model data in the field with MobilyD to reduce time and risk associated with duplicate data entry



