PRODUCT SHEET

Octave Forte Reference Data

Efficiently manage your project baseline



Forte Reference Data (formerly Smart Reference Data) provides materials libraries at the corporate and project levels and enables better standardization and change management. Forte Reference Data is the software tool for maintaining catalog and pipe specifications for Forte 3D (formerly Smart 3D), Facets P&ID (formerly Smart P&ID), Forte Isometrics (formerly Smart Isometrics), Smart Materials and other design tools.

Enjoy access to a central database located at a single location from any other location around the world. Enable global workshare of reference data along with centralized control. Take advantage of integrated change management and exception handling for an optimized workflow. Forte Reference Data is also available on Octave Cloud (formerly Smart Cloud), making it very easy to centralize catalog management in the Cloud.

Interfaces

Interfaces enable data to be fed into design systems with relevant, standardized project data, eliminating duplicated effort. Several interfaces are included with Forte Reference Data, such as: Forte 3D (export comprehensive catalog data to the Forte 3D project database), Forte Isometrics, Facets P&ID, Facets Instrumentation, Facets Electrical (formerly Smart Electrical), Forte 3DWorx (formerly CADWorx Plant Professional), PDS (export comprehensive data to the PDS project database), PDMS (export comprehensive data to the Aveva PDMS project database), SAP R/3 (export standardized data to the SAP R/3 Material Management Module), Content vendor via XML (load geometric and dimensional data) and Web API (available for various integrations and automation).

Standardization

Forte Reference Data enables corporate and project-specific material data standardization. The preconfigured solution helps establish an effective material database. Organize and reuse data according to international (i.e., ASME, ANSI, DIN, EN) or corporate standards.

The standardization of material classifications dramatically reduces engineering costs, especially in a global environment. All projects can use the same codes and simply map to client codes if required.

The solution helps you ensure the same code or description applies across the business. This means everyone on the team can communicate in the same materials “language” to save time and money.

User-definable

Take advantage of a user-definable, rule-based catalog and specification management tool at both the enterprise and project levels. User-definable data and intelligence can reflect discipline and task specifics, such as electrical and instrumentation.

Data accuracy

Forte Reference Data provides a single point of data entry for materials and specifications. This minimizes the potential for inconsistent data across different teams and systems.

With Forte Reference Data, material definition is intelligent, standardized, reusable and repeatable. If your current system descriptions are not dynamic, duplicates are possible. This represents a major materials risk to your organization. Reduce the risk of inaccurate data with Forte Reference Data.

Integration

Tight integration with design and procurement systems results in efficient change management, which is critical for successful project execution. The integration performs the relevant project setup work is user-friendly. The Forte Reference Data environment uses this solution as the single point of data management.

Benefits

Choose Forte Reference Data, the proven and professional solution for comprehensive materials management, to:

- Standardize materials use by different users
- Deploy company best practices
- Benefit from rule-based intelligence of reference data
- Implement organizational specification control
- Eliminate “recreating the wheel”

Standard Database for Forte Reference Data

For faster and easier implementation, Octave has created the out-of-the box catalog Standard Database for Forte Reference Data, which offers:

- U.S. piping and U.S. structural data (ANSI, ASME, ASTM, MSS)
- European piping standards (DIN, EN)
- Japanese piping standards (JPI, JIS)
- Chinese piping standards (GB)
- Piping specifications (PIP)
- Sample Power, EN, JIS piping specifications
- Ducting parts and specifications.
- Cable tray parts and specifications
- Equipment and electrical cables
- Hangers and Supports Parts and Assemblies (Anvil, BergenPower)
- Structural cross sections
- Standardized rules and reference data for different types of hangers and supports. (Data-Driven Support Parts and Assemblies Library)

Along with the data, configuration data for interfaces to Forte 3D, PDS, Forte Isometrics and Forte 3DWorx are available out of the box.

Benefits

- Shorten implementation time
- Reduce cost of implementation
- Standardize content linked from design through supply chain
- Reuse catalogs and simply map to client needs
- Minimize client resource costs since data is maintained in the Standard Database
- Reduce material costs by correctly identifying materials for accurate procurement
- Standardize coding across projects
- Receive updated content

Manage Forte 3D piping specifications

- Maximize efficiency
- Reduce development time of specification content
- Take advantage of revision control, change management and reporting
- Enable permission-based database access instead of locked spreadsheets
- Minimize labor hours in specification development and management
- Maximize productivity with graphical user interface featuring .NET instead of spreadsheets

With future management of other Forte 3D catalog data, you can learn now and develop on future projects. Integrate with Smart Materials and SmartPlant Enterprise and gain consistency of data across disciplines and tasks – specifications, models, isometrics, procurement and fabrication and downstream data integrity.



About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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