SMARTPLANT® REFERENCE DATA

SmartPlant® Reference Data provides materials libraries at the corporate and project levels and enables better standardization and change management. SmartPlant Reference Data is the software tool for maintaining catalog and pipe specifications for Intergraph® Smart™ 3D, SmartPlant P&ID, SmartPlant Isometrics, SmartPlant Materials, and other SmartPlant Enterprise solutions.

Enjoy Web or desktop access to a common 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.

Interfaces
Interfaces enable data to be fed into design systems with relevant, standardized project data, eliminating duplicated effort. Several interfaces are included with SmartPlant Reference Data, such as:

- **Smart 3D** – Export comprehensive data to the Smart 3D project database.
- **PDS®** – Export comprehensive data to the PDS project database.
- **PDMS** – Export comprehensive data to the AVEVA PDMS project database.
- **SmartPlant Isometrics**
- **SmartPlant P&ID**
- **CADWorx®**
- **SAP® R/3** – Export standardized data to the SAP R/3 Material Management Module.
- **Content vendor via XML** – Load geometric and dimensional data.

Standardization
SmartPlant Reference Data enables corporate (project-independent) material data standardization, especially of bulk material. The preconfigured solution helps you 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 cost, 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
SmartPlant Reference Data provides a single point of data entry for materials and specifications. This minimizes the potential for inconsistent data across both teams and systems.

With SmartPlant 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 SmartPlant 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 in the user-friendly SmartPlant Reference Data.
environment and then uses this solution as the single point of data entry.

**Benefits**

Choose SmartPlant 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 SMARTPLANT REFERENCE DATA**

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

- Multidisciplinary structure.
- European piping standards (DIN, EN).
- Ducting parts and specifications.
- Cable tray parts and specifications.
- Equipment and electrical cables.
- Structural cross sections.
- Interfaces to Smart 3D, PDS, SmartPlant Isometrics, and CADWorx.

**Manage Smart 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 Smart 3D catalog data, you can learn now and develop on future projects. Integrate with SmartPlant Materials and SmartPlant Enterprise and gain:

- Consistency of data across disciplines and tasks – specifications, models, isometrics, procurement, and fabrication.
- Downstream data integrity.

**ABOUT INTERGRAPH**

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities. Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I U.S. federal business.

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