



## SMARTPLANT® REFERENCE DATA

Intergraph® 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 SmartPlant 3D, SmartPlant Materials, and other SmartPlant Enterprise solutions.

Enjoy Web 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:

- **SmartPlant 3D** – Export comprehensive data to the SmartPlant 3D project database
- **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
- **Open Ident** – Import unstructured material data, including material descriptions and definitions and geometrical and dimensional data

### Standardization

SmartPlant Reference Data enables corporate (project-independent) material data standardization, especially of bulk material. The pre-configured 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
- Initial delivery including U.S. piping and U.S. structural data (ANSI, ASME)
- European piping standards (DIN, EN)
- Ongoing expansion to other disciplines and standards
- Interfaces to SmartPlant 3D and PDS

## 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

## Manage SmartPlant 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 SmartPlant 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 into understandable visual representations and actionable intelligence. Intergraph'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, and operation of plants, ships, and offshore facilities. Intergraph SG&I provides geospatially powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities, and communications industries.

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