

# Digital product libraries

for BIM and Plant Design software systems



+GF+

GF Piping Systems

Benefits

Software

Contact

## BIM & Plant Design software center

The engineering design tools used by planners, architects, owner operators are provided by three major software CAD companies:

- Autodesk Revit for BIM
- Intergraph and Aveva for Plant Design

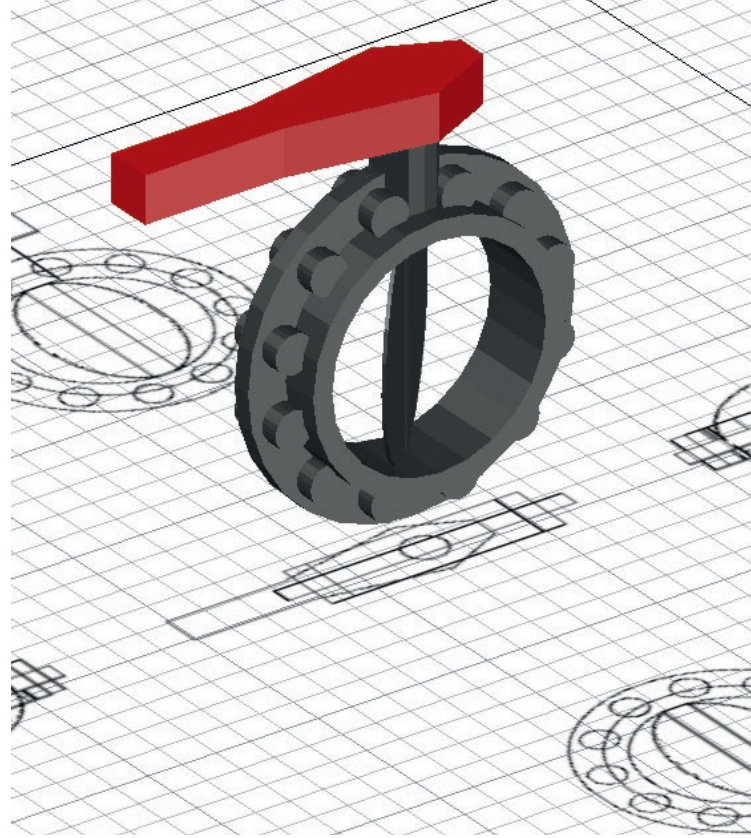
GF Piping Systems is continuously developing libraries of all our drawings that are fully compatible with the software of these three providers.

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# Digital BIM library for smooth design development

For many years, engineering is carried out with the help of digital design tools. Revit has become the standard for 3D modeling in the construction industry. Interoperability and design capabilities in architecture, structural engineering and MEP (Mechanical, Electrical & Plumbing), make Autodesk Revit the best suitable tool for BIM (Building Information Modeling).



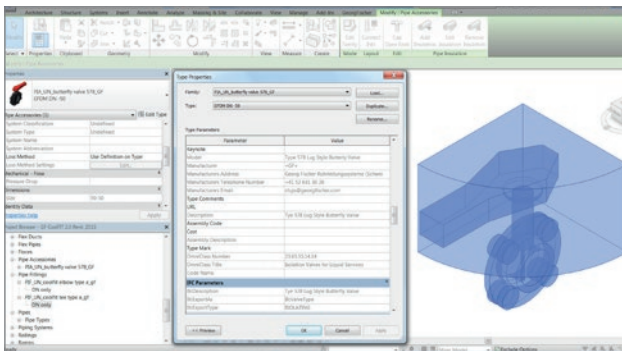
## + Reduce costs with our BIM library

Building Information Modeling (BIM) is a process to design, create and maintain a project with the use of an intelligent 3D model. BIM is about everyone in a project understanding a building through the use of a digital model. BIM contributes to structure project information, improve integration, reduce costs and faster construction times.

By 2025, "full-scale digitalization will lead to annual global cost savings"\*

**13 – 21%** in design, engineering and construction phases

**10 – 17%** in operation phase



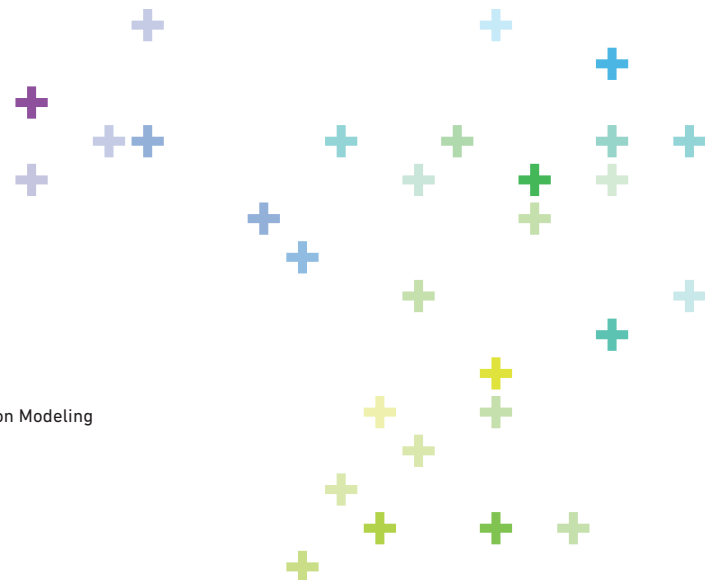
Autodesk Revit using COOL-FIT Piping Systems

## Benefits

- Optimized GF Piping Systems' Revit families can be used in various project stages since they are not heavy and contain enough data
- Package delivery
  - Embedded bill of material
  - Complete assortment overview and easy copying into specific project
- Real life construction length
- Embedded article or product number and description
- 3D clearance zone
- Applicable to imperial and metric systems

Download the libraries at:

[gfps.com/bim](https://gfps.com/bim)



\* Digital in Engineering and Construction: The Transformative Power of Building Information Modeling  
The Boston Consulting Group. Year of publication: 2016

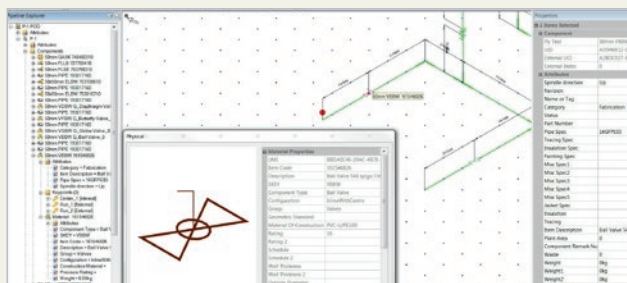


# Digital Plant Design library for productivity gains and increased accuracy

Piping & Plant Design software are rather independent from the classical 3D CAD. Specialized software from major engineering software vendors Intergraph and AVEVA is used to create plant design and model equipment, structures and communications. GF Piping Systems now offers digital libraries for the following software:

## Intergraph SmartPlant Isometrics

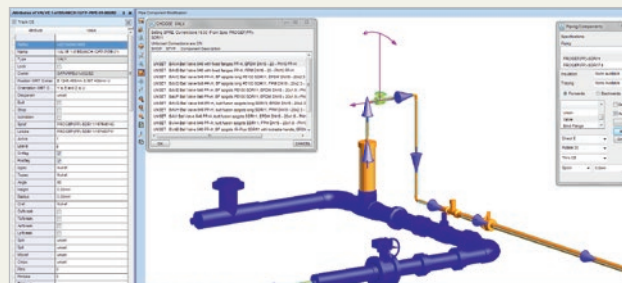
makes pipes' sketching quick, easy and accurate. Simply sketch a pipe, add components (flanges, valves, gaskets, and/or bolts), dimension the pipe and let SmartPlant Isometrics do the rest.



SmartPlant Isometrics using ecoFIT pipe classes

## AVEVA PLANT PDMS 3D

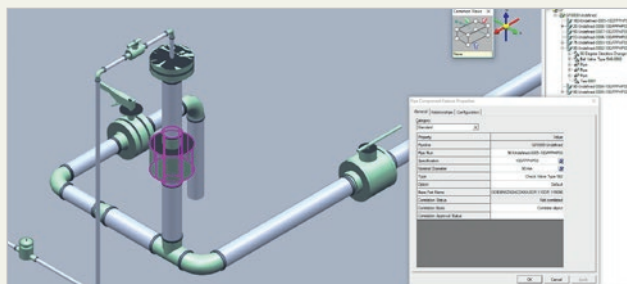
offers all necessary potential for engineering, design and construction projects in offshore and onshore. Simply draw piping systems, add pipe fittings and accessories and finalize the design.



AVEVA PLANT PDMS 3D piping using PROGEF catalog data

## Intergraph Smart 3D

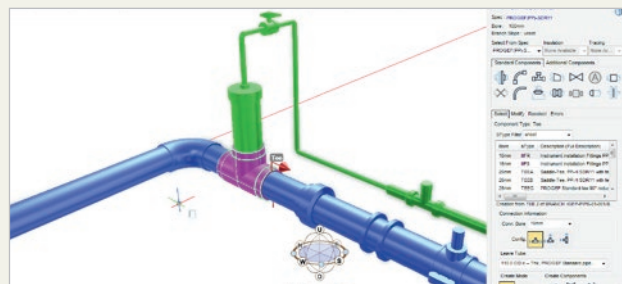
provides all capabilities necessary to design plant, marine, and materials handling facilities, and then maintain their 3D "as-built" representations.



Smart 3D valve based on GF Piping System parts

## AVEVA PLANT E3D

is the newest version for plant design which fulfils requirements for users concerning users' comfort during project planning. It allows working in parallel on projects made in AVEVA PLANT PDMS 3D.



AVEVA PLANT E3D piping using PROGEF system catalog data

## Benefits

### Plant design engineers

can download piping components' CAD data and use it directly within their designs. This reduces time and effort, whilst ensuring design accuracy and integrity.

### EPCs

can view piping components' specifications, plan and execute efficient purchase and installation. This supports lean supply chain activities and eliminates shortages and surpluses.

### Owner operators

can access accurate components' specifications and use these to plan and execute maintenance activities efficiently. This reduces facility downtime supports safe, efficient and profitable activities.

Download the libraries at:

[gfps.com/plantdesign](http://gfps.com/plantdesign)

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