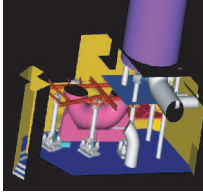


# 3Dipsos 3.0

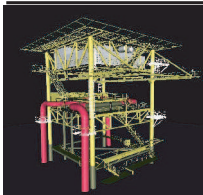
## Get as-built data into your plant design package

### Significantly faster as-built 3D modeling with SmartLine™ and EasyPipe™



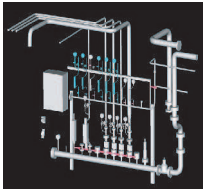
3Dipsos 3.0 integrates powerful recognition capabilities that easily and intelligently extract the plant elements from scanned data. Entire pipelines (including reducers, bends, tees, flanges, valves...) can be automatically extracted and directly fitted with the parameters of the specification catalog imported from user's plant design package. These tools have also been implemented for steelworks modeling, enabling complete transfer of intelligent models into plant design packages. For concurrent engineering projects, where several teams are working together or on shift on a project, 3Dipsos 3.0 supports server based projects, with new reporting functions available for review at any time.

### Interference-free engineering



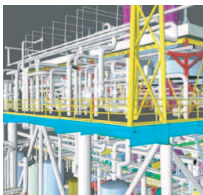
Obtaining quality as-built data of a plant is the guarantee for an engineering department of successful implementation of the new design (revamp/modification) and for a perfect fit first time. This will dramatically reduce rework on site during the construction phase of a project, because the data on which the new design is based constitutes the real scene. Moreover, facility downtime will be much shorter, saving many days or even weeks of project timespan. Plant production will only be down for the minimum possible time, enabling a project to complete against shorter deadlines.

### Direct native export in plant design package



Both Intergraph PDS® and AVEVA PDMS catalogs are fully managed in 3Dipsos 3.0. During the modeling phase, 3Dipsos 3.0 smartly suggests all plant design software elements available for the current nominal diameter. Rules of creation of a model (issued from the user plant design software) are strictly applied, avoiding conflicting combinations of elements. Once created in 3Dipsos 3.0, the export of the model to plant design software is just a "press button" function.

### High fidelity as-built archiving



3Dipsos 3.0 is the ideal program for high fidelity archiving of plant data: 3D measured data (from any source: 3D scanners, classic survey, even manually surveyed data), 3D model extracted from the data, and also full real picture database. Pictures taken from any camera can be imported and 3D-related to the 3D model/data using 3Dipsos' camera matching tools. The same specific area of a plant can be reviewed in several ways: real picture, 3D measured data, 3D modeled data or a combination thereof. Note that if 3Dipsos 3.0 processes data captured by GS-series and S-series data acquisition systems, real pictures are automatically incorporated into the database.

#### Direct Export available:

AutoCAD, MicroStation, PDMS, PDS®, RealWorks (Viewer and Survey), Acis, VRML, IGES, ASCII, Postscript, MENS I data exchange (IPS), Maya.

#### Minimum system requirements:

Operating system:  Windows NT 4 or higher,  
  Windows 2000,  
  Windows XP  
Processor:  Pentium III,  
  500 Mhz minimum  
Ram:   256 MB  
HD:   75 MB (program only) +  
  1 GB (data)  
Video:   3D OpenGL Acceleration  
3 button mouse

#### Recommended system requirements:

Operating system:  Windows XP  
Processor:  Pentium 4, 2.8Ghz  
Ram:   1 GB  
HD:   160 GB  
Video:   3D OpenGL Acceleration, 128 MB  
3 button mouse

#### 3Dipsos 3.0 is available in modules:

##### 3Dipsos 3.0 Core:

Import File format  
Alignment (registration)  
Modeling Core  
Model Manager  
General Measurement tools  
Macro recording and creation

##### 3Dipsos Engineering Module:

Primitive Automatic Extraction  
Piping  
CAD Export  
Steel structure  
Cable Tray  
Metallic Access  
Civil engineering  
Equipment

##### 3Dipsos Mesh Module:

Triangulation modes  
Editable Mesh entities  
Mesh adjustment and correction tools  
Mesh smoothing and simplification

##### 3Dipsos Image Module:

Image visualization  
Image Projection  
Browser  
Camera tools ; camera matching  
Texture Mapping

##### 3Dipsos Advanced Outputs Module:

INTERGRAPH PDS® Export  
AVEVA PDMS Export

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