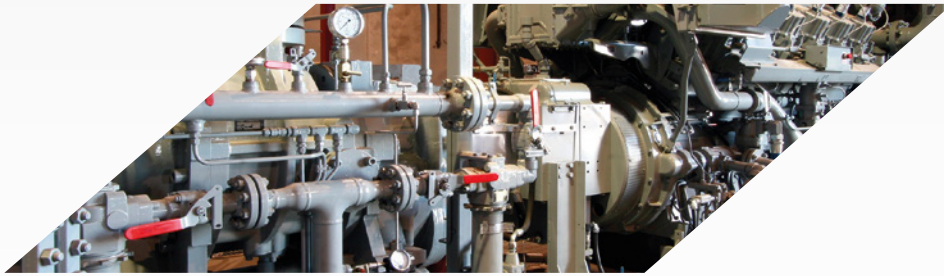# RealPlant3D

Manage, Organize and Visualize all Engineering
and Design, Operation and Maintenance
information and documentation
and 3D & As-Built (HDS, Laser Scanner)
Models of your plants through a single
web-based solution

CT3 INGENIERÍA

Global Access to the plant **reality** in a single 'click'

CT3 Ingeniería | **Solvency and Quality**

RealPlant3D

Web solution for the **Integration** and **Use** of **3D** and **As-Built (HDS, Laser Scanner) information** for **Plant Lifecycle Control**

Plant Area/Unit/Elevation
WBS Navigation

Access
to Technical documents
and Drawings

3D CAD & BIM
Models Visualize
and Review

Plant and Coordinate
Systems Historical
Control

Geographic Information
Systems (GIS)
Integration

Access to High Definition
Survey Models
(HDS, MDT, LIDAR)

Enables distances
and coordinates
measurements

Allows to use the product in complex
engineering and design distributed projects,
with multiple locations

Allows connections
with real-time data
and events database

Global Access
to Plant from any location
and time

RealPlant3D

Real Plant 3D is a software platform which integrates all the 3D plant information and makes it available to users in an extremely practical, simple, reliable and economical manner

RP3D allows the integration into a centralized site of 3D (CAD and BIM) models supplied by engineering companies and all As-Built, Laser Scanner (Point Cloud and Photo-realistic) models obtained or created in plant modified designs, with various formats, specifications, or coordinate systems, in a historical and hierarchical manner.

This software indexes, organize and allows quick access to all information (Technical Documents, Drawings and Media Share Data) through intelligent access points to optimize decision-making and design processes.

☑ Benefits

1. FLEXIBLE

RP3D can be configured and adapted to a wide range of requirements.

It allows easy adaptation to the customer work system.

2. VERSATILE

RP3D is oriented to owners, operators and engineering of plant.

Allows multiple and diverse information and data from multiple simultaneous access points

3. INCREASE SAFETY

Increase safety and ensure regulatory compliance.

Protects information and documentation.

4. REDUCE TIME AND COST

Reduce activities and increase productivity on site works.

Reduce travels, displacements and access to plant.

RP3D allows quickly and effiently implementation, reducing cost and risk and improving quality.

5. FRIENDLY

Easy and Friendly Interface and not require training.

An intuitive user interface ensures quick familiarization.

Easy Navigation during the project by using Key Plans.

6. EFFICIENCY AND CAPACITY

Allows that multidisciplinary teams work together with more efficiency.

RP3D removes barriers between data sources, enabling more effective and better integrated working methods.
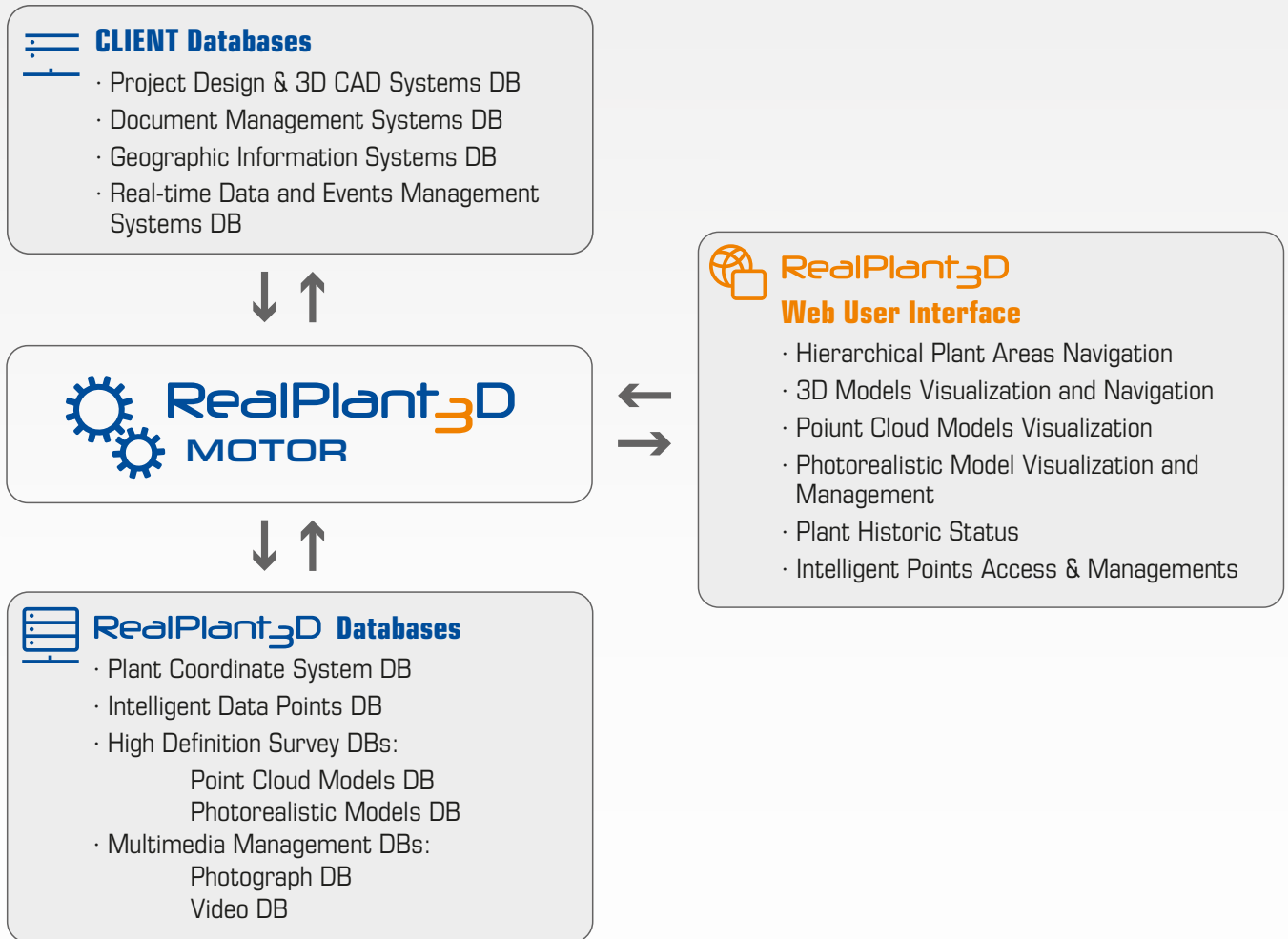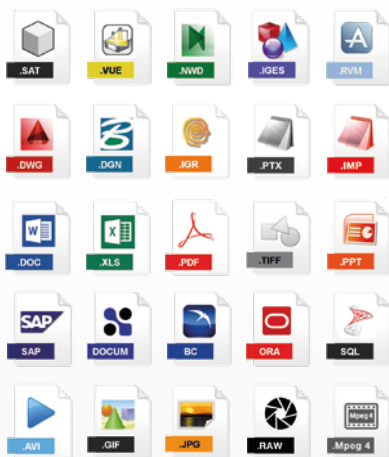
7. RELIABILITY AND QUALITY

Collaboration & Integration

· Teams collaborate, perform task, share documents and models, all in one place.

· Quickly and Proactive plant management and visualization.

· Allows integration with Enterprise Content Management (ECM) Systems, Multimedia Management (MM) Systems, Geographic Information Systems (GIS) and Real-time Data and Events Management (DDS) Systems

RealPlant₃D main funcionality chart

CLIENT Databases
· Project Design & 3D CAD Systems DB
· Document Management Systems DB
· Geographic Information Systems DB
· Real-time Data and Events Management Systems DB

RealPlant₃D MOTOR

RealPlant₃D Databases
· Plant Coordinate System DB
· Intelligent Data Points DB
· High Definition Survey DBs:
  Point Cloud Models DB
  Photorealistic Models DB
· Multimedia Management DBs:
  Photograph DB
  Video DB

RealPlant₃D Web User Interface
· Hierarchical Plant Areas Navigation
· 3D Models Visualization and Navigation
· Poiunt Cloud Models Visualization
· Photorealistic Model Visualization and Management
· Plant Historic Status
· Intelligent Points Access & Managements

Multiple Sources Compatibility

· **Laser Scanning Formats** (LEICA *.imp, Zonner Fronius (Z+F), FARO, *.ptx)

· **3D Models** (S3D/SP3D, PDS, CADWorx, PDMS/E3D, AutoCAD Plant 3D, Revit, AutoPLANT, CATIA, Inventor, SolidWorks) / PDMS/E3D

· **CAD 2D Formats** (*.dwg, *.dgn, *.igr, *.sha)

· **Enterprise Content Management Systems** (SAP, BlueCielo Meridian, Oracle/SQL Server based).

· **Document File Formats** (*.pdf , *.docx, *.xlsx)

· **Multimedia File Formats** (*.avi, *.MPEG-4, *. mov, *.jpg, *.tiff, RAW)

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