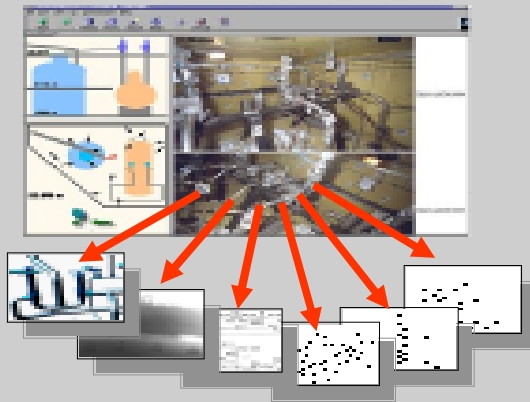


FastForm

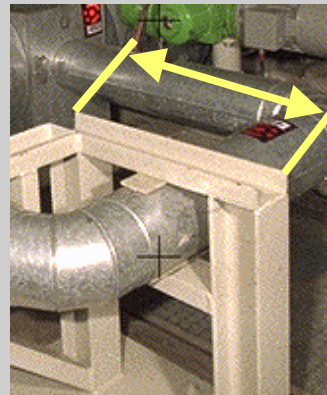
FastForm

Visual Plant Navigator



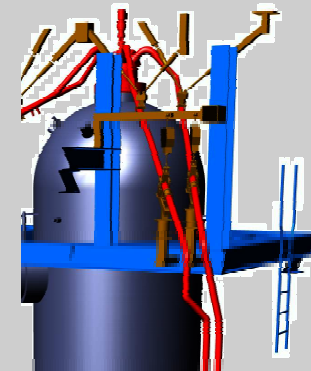
- Visual Plant Documentation
- Linkage between Photos and supporting Documents
- Extensive query capabilities
- Navigation using floor map

Photodatabase



- Metric measurements on photos
- Erection studies in photos

3D-Model



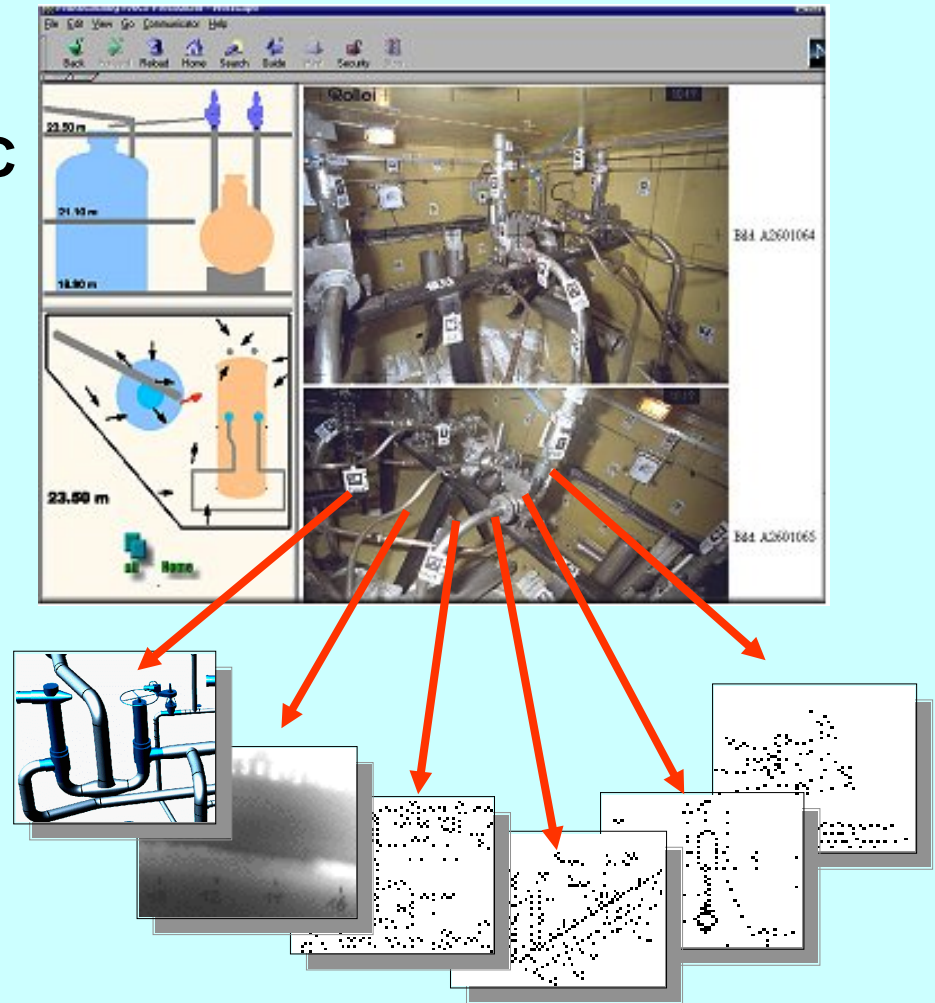
- Revamp Planning
- Maintenance Planning
- Overall Documentation
- Safety Analysis

Visual Plant Navigator

The *Visual Plant Navigator*:

A virtual walkdown of your plant on a PC

- Web based application
- Hyperlinks to supporting documents
- Extensive query capabilities by room number, component ID, KKS
- Easy navigation using floor map



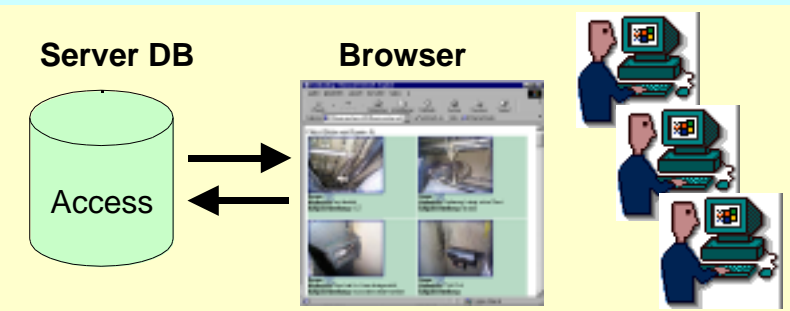
Visual Plant Navigator

Specific Know How

Coded Targets

- Automatic hyperlinking by detecting targets in all images

KKS
Floor Map
Documentation



S

Visual Plant Navigator

Finding Images

by clicking on floor map



by room number

Room No.:

alle ▾

alle ch

1208

1321

1414


5115

by KKS

KKS:

% Wildcard

%

 Search [Optionen](#)

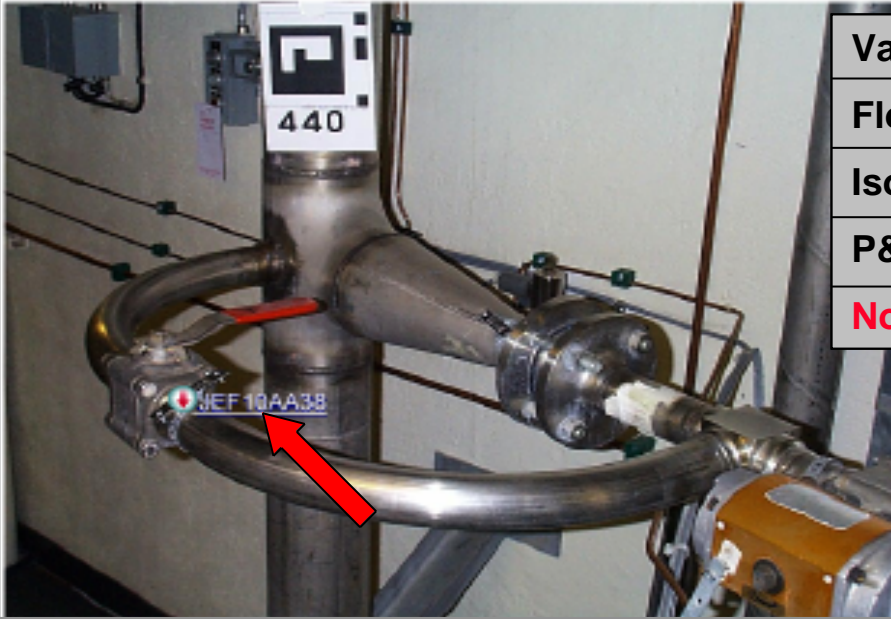
S

Visual Plant Navigator

Hyperlinks to supporting documents

Raum: 1208
Bildinhalt: Bypass 4711
Aufgabenstellung: Begabung 98
AKZ: [JEF10AA38](#) /

neue AKZ



440

JEF10AA38

Valve Drawing

Floor Map

Isometric

P&ID

Note

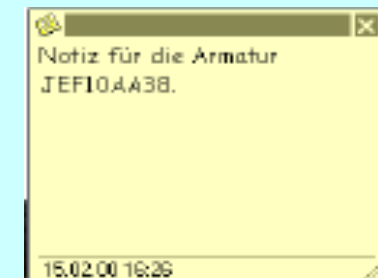
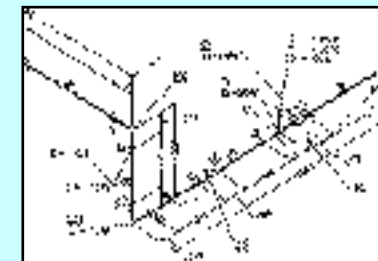
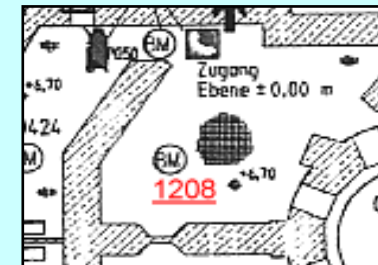


Photo Database

Measuring of distances in photos

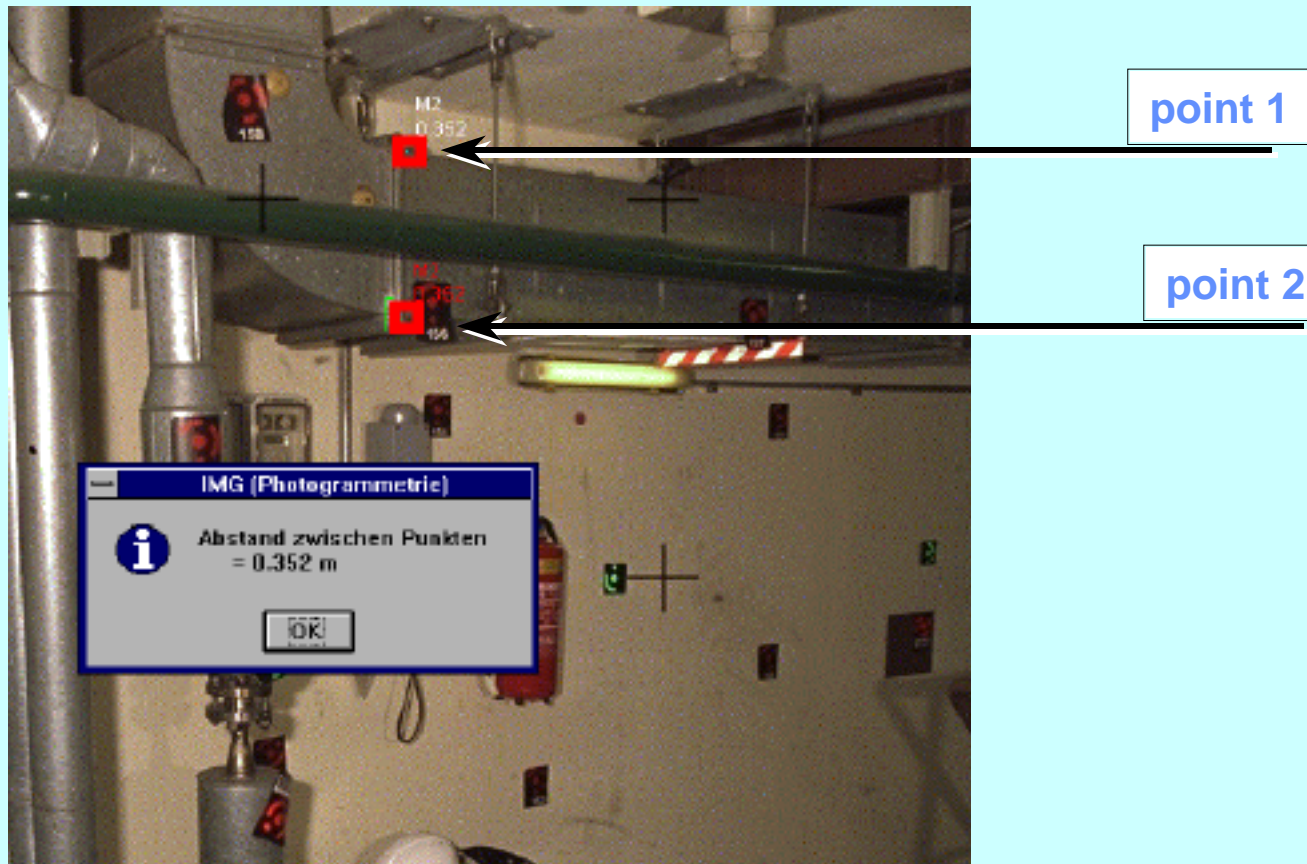


Photo Database

Planning of virtual pipes in photos

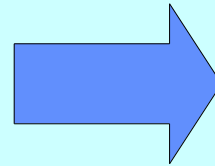


Photo Database

Fast and easy construction of the 3D Model

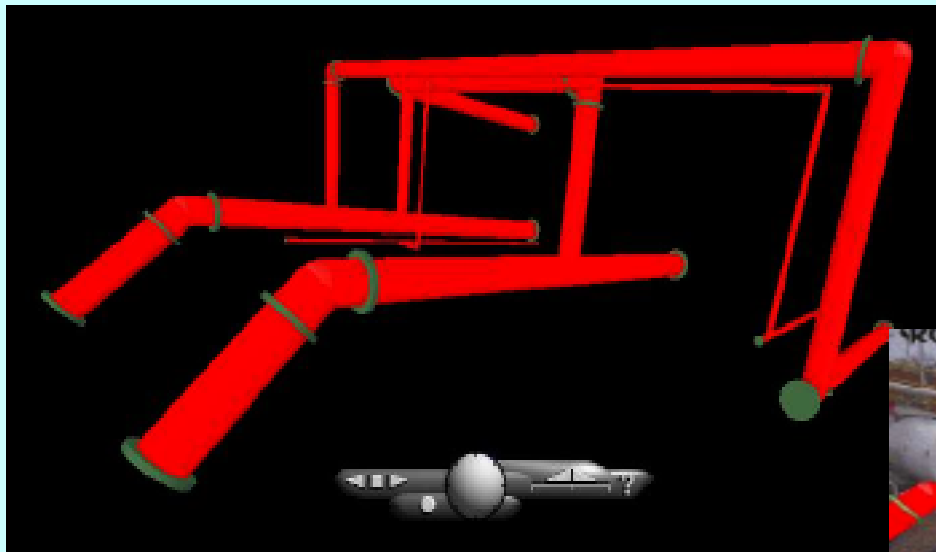
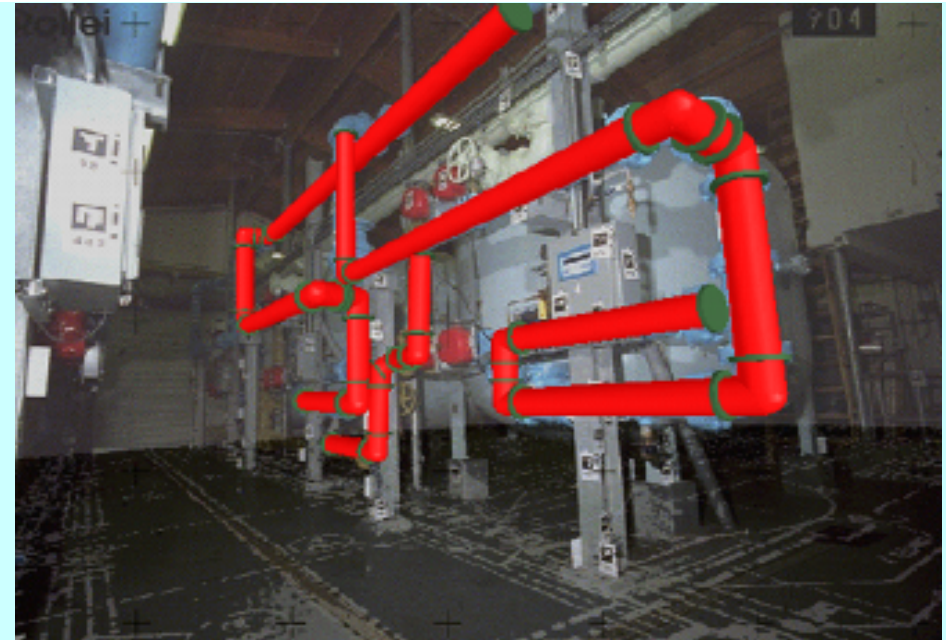
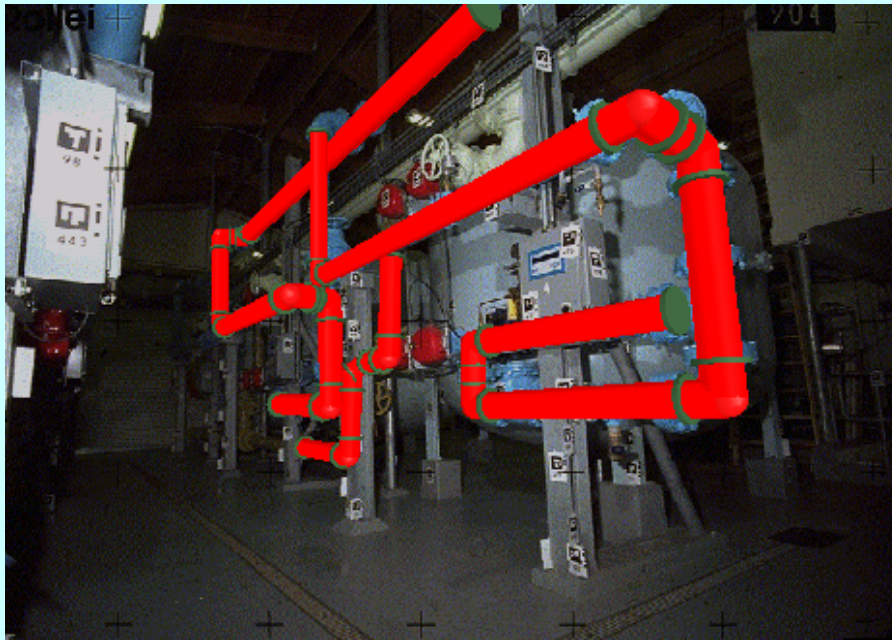
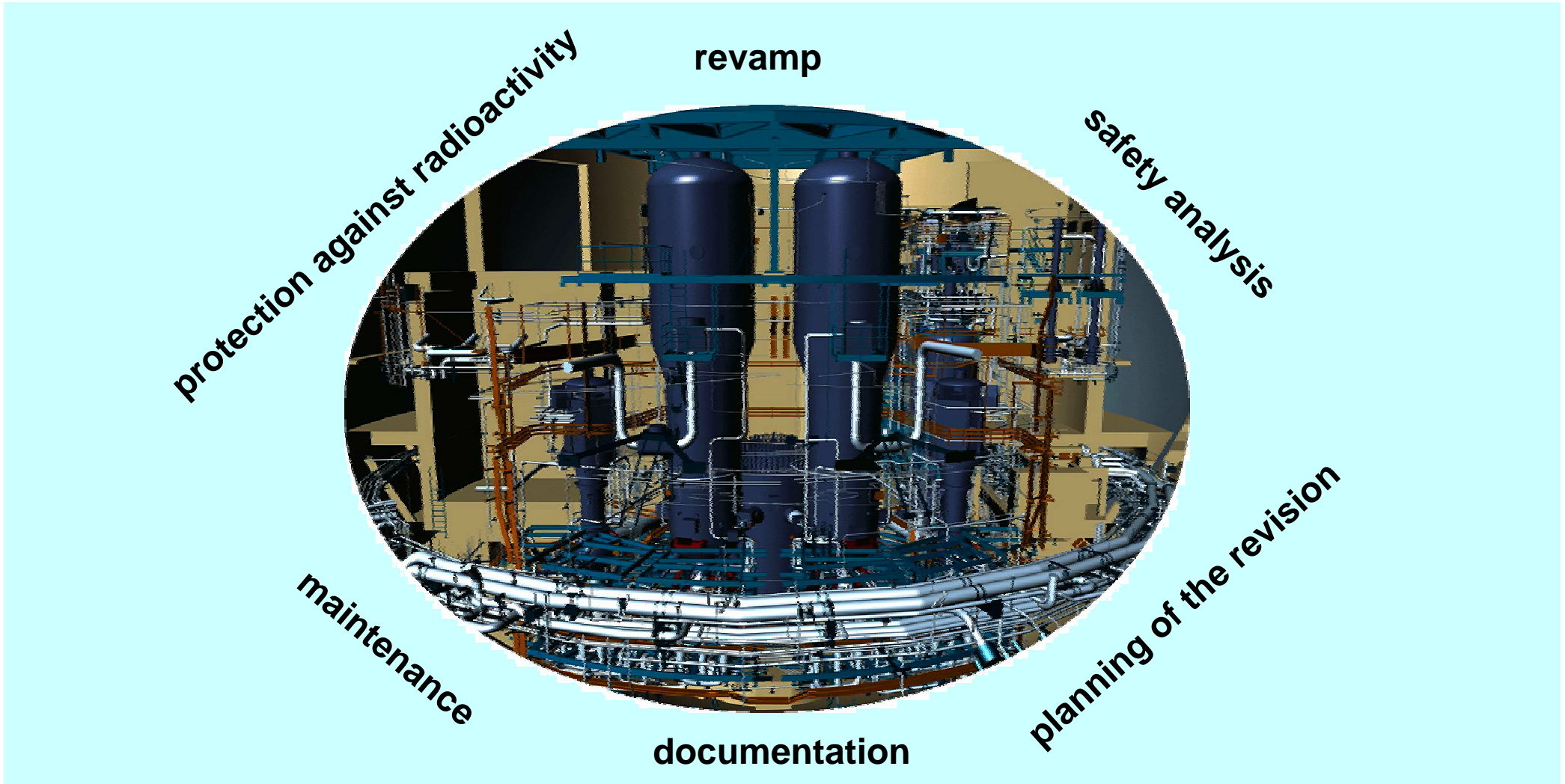


Photo Database

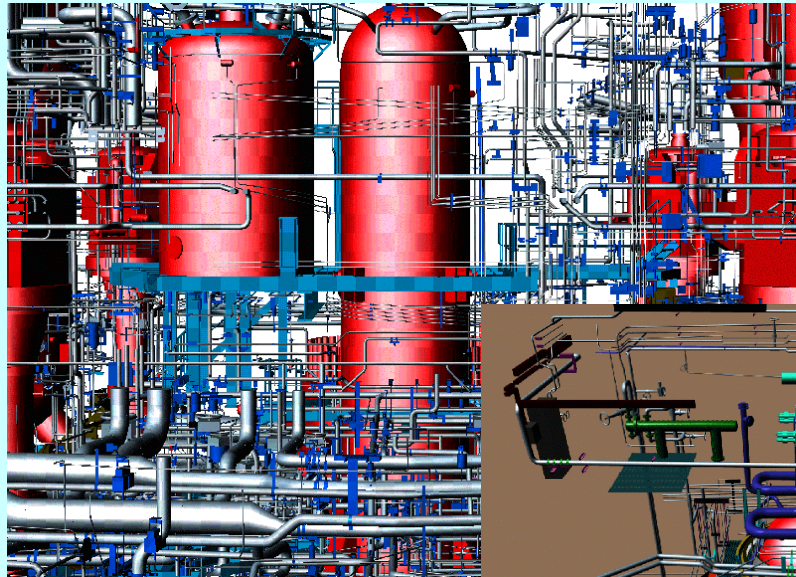
Visualization (Overlay) of Technical Drawings in Images



3D-Model

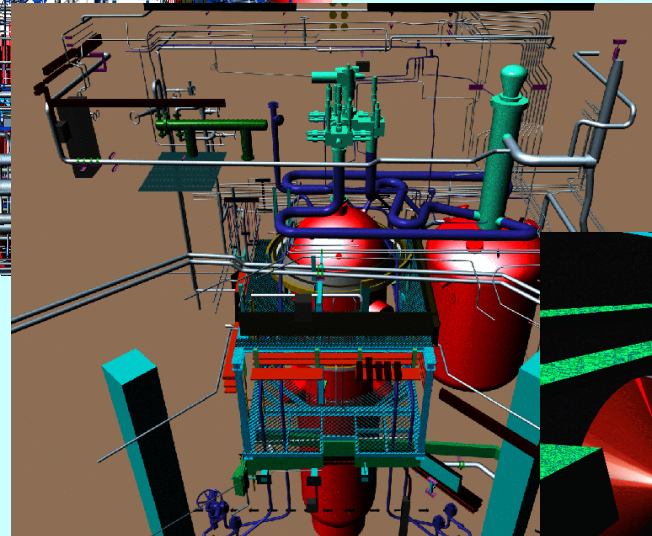


3D-Model

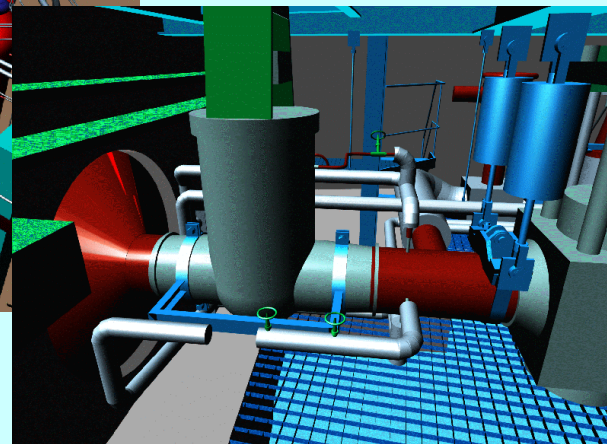


Application Fields

- overall documentations



- specific region for revamp



- arrangement study

Motivation

FastForm Brings Your Plant Into the Office!

From your desk you can do...

- A Virtual Plant Walkdown
- On-site Task Planning
- Metric Measurements of/between components
- Erection & Transport Studies
- Revamp Planning
- Collision Checking
- Reduce Radiation Load
- etc.

