



# D-studio Virtual Builder xD VIEWER

**xD Viewer** makes part of the **xD Virtual Builder Solution**. It's the manager's tool. Once the technical team has created the xD model, managers and other team members can start the analysis and visualisations needed for decision-making and project streamlining. It's a very approachable all-in-one stand alone solution, including a professional gantt-chart application, critical path analysis, time-space conflict visualization, 2D/3D graphs, reporting tools, etc. The xD Viewer operates on an XML based process-model.

**TASKLIST  
ACCORDING TO  
PLANNING,  
GOTOSTART- &  
GOTTOEND, ...**

**LAY-OUT  
MANAGEMENT,  
PERSONAL  
DATASELECTION,  
FILTERS, ...**

**DATE SELECTION BY  
CALENDER,  
MILESTONE-LIST,  
DIRECT INPUT,  
ADVANCE BY  
MILESTONE, ...**

**INTELLIGENT  
GANTT-CHART  
REPRESENTATION  
INCLUDING  
CONSTRAINTS,  
CRITICAL PATH,  
RELATIONS,  
...**

**LEGEND OF  
4D TYPES  
AS USED IN  
PROJECT**

**FREEZE DATE FOR  
COMPARISON AND  
SCENARIO BUILDING**

**SELECT DIFFERENT  
LAY-OUTS,  
DATASETS, xD  
VISUALISATIONS**

**DYNAMIC AND  
INTERACTIVE  
GRAPHIC WINDOW  
FOR 4D  
VISUALISATION**

**CHOICE BETWEEN  
DATAGRID OR OR  
OR GANTT-CHART**

**FAST FILTER  
GRAPHICAL  
OBJECTS  
ACCORDING TO 4D  
TYPES**

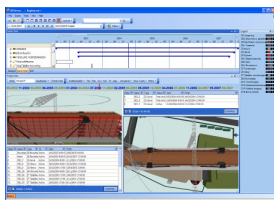
**SELECT  
VIEWPOINTS AS  
DEFINED IN xD  
BUILDER**

**GRAPHICAL  
NAVIGATION,  
VIEWPOINTS  
SELECTION**

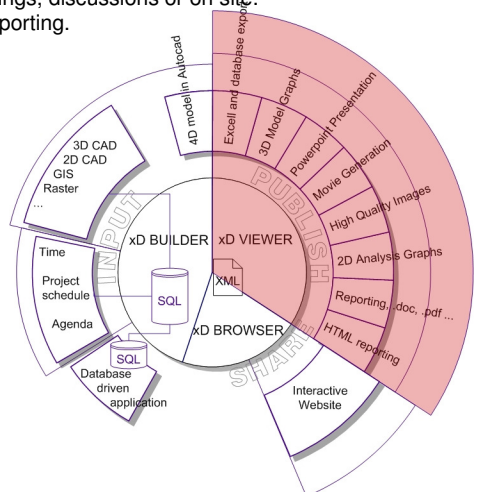
**DATAVIEW ON xD  
MODEL,  
FILTERING,  
SELECTION,  
SORTING,  
QUERYING, ...**

Once an xD Model is ready, the xD Builder translates all project data, including xD model, visualisations, settings, filters, reports, ... into one unique file for other team members to consult during project meetings, discussions or on site. xD Viewer permits a fully interactive consulting, a try-out of different scenario's and reporting. Modifications and adaptations can be saved and processed into the central model by the technical planning team.

The xD Viewer is fully adaptable to the user's wishes. Lay-out, filters, visualisations and other settings can be stored for each user profile or as a project standard. The project view can contain up to 4 different visualisations on the xD model for visual an analytical comparison.



xD Viewer is destined for project managers and other teammembers.



# D-studio Virtual Builder xD VIEWER

## Basis functioning

- Stand-alone application
- Standard technology: XML, VRML
- xD model consultation and management
- Adoption of all parameters and settings of xD Builder as start
- Customization for scenario building and project management
- Custom lay-out based on multiple views (graphic- or data-) on the xD model

## DataView with datagrid – Intelligent data manipulation

- xD Object management through synoptic datagrid
- Grouping, sorting en filtering according to attributes by intuitive en contextual functions
- Complex user-defined filters
- Visualisation of time-space conflicts
- Interaction and query between view and windows

## User-Interface

- User-friendly HTML based interface scaled for the project-managers
- Web-based application navigation
- Fast access to user-defined reports
- Customisable lay-out; save as default or project standard
- Multiple screen lay-out
- Logical and contextual menu's and taskbars
- Dockable window-system

## Gantt chart View

- Interactive visualisation of schedule
- Interpretation and visualisation of critical path
- Adoption and visualisation of constraints and relations defined in original data-source schedule
- Modify of relations and constraints
- Modify task-properties by input window or simply by moving tasks along the time line;
- Goto-start en goto-end jumps
- Highlight selected tasks in datagrid view, 4D project view and/or Data view

## Project View

- Window for 4D or data visualisations
- Split-up main view into max. 4 subviews
- Define for each sub-views the visualisation needed
- Interact by query-highlight-select between the different visualisations

## 4D Visualisations

- A 4D-visualisation is a 4D graphic model view based on a selection of objects and visualization-parameters
- Adoption of all settings and definitions included by xD Builder
- Modify 4D visualizations
- Define an unlimited number of 4D views
- Enable/disable object sensors

## 4D Project View

- Window for 4D visualisations
- Powerful CAD-similar navigation functions
- Select viewpoints
- Model composition according to chosen date
- Support of most common 3D and 2D primitives, aerial photo's and scanned images
- Modifiable screen resolution and full screen mode
- Filter on 4D type list

## Data Visualisations

- A data visualisation is an interactive report or object list, similar to *datagrid*, but with predefined sorting-selection-grouping.
- Main list ALL created by default for each project
- Define user-defined views
- Unlimited number of dataviews

## Time navigation

- Extensive navigation through time: by calendar, by timeline, by milestone list, or by direct input
- Milestone list extracted out of original data source schedule
- Quick jump from xD objects towards start/enddate

## 4D Types

- 4D types define the representation of objects by per type of activity
- Representation depending on status and chosen date: pre-active, active, post-active, always
- Adoption of all 4D Types as defined within the xD Builder
- Unlimited number of user-defined 4D types
- Build-in basic types
- Import 4D Types of standard or previous projects

## 4D Legend View

- 4D Legend View with complete list of 4D types and their representation
- User-friendly definition dialogue
- Highlights in other project views all objects of the selected 4D type

## Reporting and communication

- Automatic Powerpoint presentation generation
  - Based on *corporate* powerpoint-lay-out
  - Generated objects: images, time-line, text information, date
  - Automatic or manual date selection
  - 1 Slide per selected date
- Automatic movie generation
  - Automatic or manual date selection
  - 1 Frame per selected date
  - Format and dimensions at choice
- Render series of high-quality images
- Reporting towards .doc, .pdf, .html, ... en other formats  
*Extension with Report Generator*
- Export to Excel®, Access®, ...
- Script generator for automated production
- Automated report on modified tasks for processing by xD Builder
- Optimise: see Report Generator
- Publish to website: see xD Browser application

## System

- All options fully customisable by external XML files.
- Report modification back to central SQL xD model

## Scripting Language

- Proper scripting language for automation, customisation and embedding in third-party and business critical applications

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## Systeemeisen

- Intel® 4 of AMD processor
- Min 512 Mb werkgeheugen aanbevolen
- Min 128 Mb video memory aanbevolen
- Windows NT 4.0, WIN2000, WIN XP, WIN VISTA
- Schuifruimte software: 60 Mb voor xD Builder; 40 Mb voor xD Viewer