



Octaga Modeller as 3D interface to Facility Management.

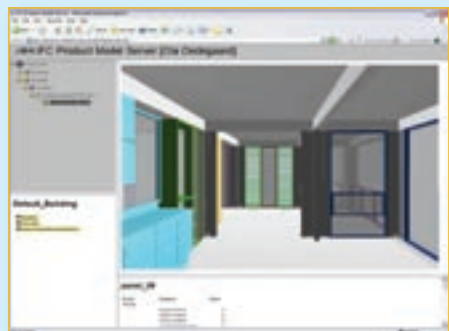
Rambøll Group has entered into the IFC area in joint product development with Octaga AS. Rambøll Group, with a strong market presence in the construction and building industry, has under roll-out and development an IFC based Facility Management product called Rambyg. With the full interactive 3D interface of Octaga Modeller, users are given an intuitive insight and offered a unique 2-way functionality including highlighting and redlining.

«The interactive and intuitive interface of Octaga Modeller provide exactly what our customers want, now it is accessible to all user groups», says Torsten A. Jensen, the inventor of Rambyg. Rambøll Group is a leading Nordic consulting group with an extensive international operation. More than 4000 employees at 70 offices are involved in projects in more than 100 countries.



EPM TECHNOLOGY With Octaga Modeller you can get a complete view of the building!

With Octaga Modeller as plug-in to EPM Model Server for IFC users can interact with IFC data in a model-driven way. «Not only can you view and inspect model data, but using the parametric interaction possibility you can also select and high-light elements and get access to all relevant information» says Jorulv Rangnes, CEO at EPM. Octaga Modeller offers support for textures, transparency, shading and other visual effect to provide photo-realism. Walkthrough and fly-through for presentations and emergency exercises (e.g. escape routes) are also possible with this technology. A major advantage is that the IFC data can be used as the basis for re-use and re-purposing such as for high-end presentations, downscaling (e.g. for PDAs) and upscaling (e.g. for CAVE and Panorama viewing).



Octaga Modeller as plug-in for IFC Product Model Server from EPM Technologies.



Octaga is for re-using and re-purposing IFC data for high-end presentations!

Octaga AS is assisting house developers to produce high-end interactive panorama presentations. The product Octaga Panorama is designed for multiple projectors cinema-like environments. IFC makes it possible to automatically generate 3D- models and affordable to produce high-end presentations.



Octaga Panorama in a three projector system. (Photo: Octaga)



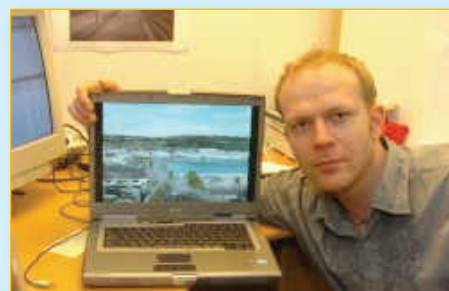
Vianova, a pioneer in using Octaga software in road design and interactive high-end presentation!

The Vianova Group is in the forefront in «thinking model» –i.e. adopting intelligent enterprise data models for extracting 3D and other information. The company was a pioneer to incorporate Octaga Modeller in their product Novapoint Road Pro.

Vianova extracts infrastructure and GIS data and uses Octaga Modeller to produce high-end interactive 3D visualizations. «Together with Octaga we have developed World-Class visualization products», says Torbjørn Tveiten. Vianova Plan og Trafikk AS and Octaga AS have customers like Statsbygg and Bærum municipality and IKEA.



Visit IKEA (the store at Slepden outside Oslo) and try the touch screen that will show you the construction phases. Here some of the Octaga experts: Monica Bye, Ivar Kjellmo and Bendik Bendiksen. (Photo: Octaga)



Torbjørn Tveiten at Vianova Plan og Trafikk AS is using the potential in Octaga software. Here showing some work from «Fjordbyen», Oslo. (Photo: Alhert Hysing)

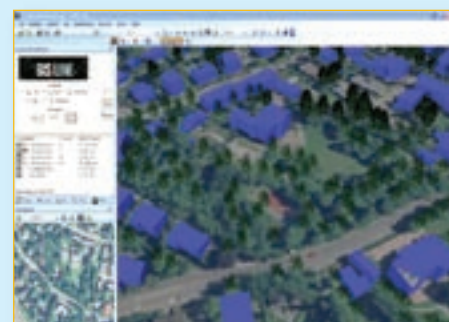


Octaga is, together with the Vianova Group, an integral part of North Visions — a network of collaborating partners specializing in 3D visualization for architecture, construction and infrastructure projects in the Nordic countries.



With Octaga Modeller in GIS/Line 3D, users can go from 2D map to 3D model in a second!

Norkart AS is a major vendor of GIS software and will this summer release GIS/Line 3D incorporating Octaga Modeller. The program will use Octaga's software for interactive 3D visualization of 3D map/terrain with thematic objects such as terrain, roads, buildings etc. «When you have independent file formats like GML, IFC and IFG you can cost-effectively produce interactive 3D models with houses, infrastructure and terrain,» says Stein Mjåland, head of development at Norkart AS.



3D view of Oslo municipality, generated directly from 2D map data using Norkart GIS/Line 3D.



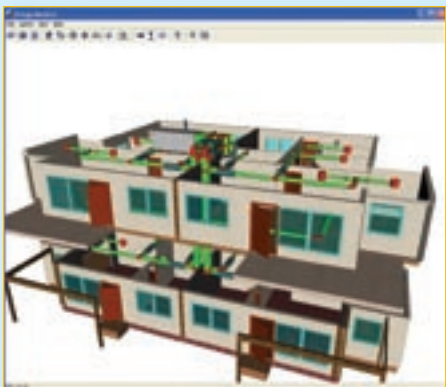
Octaga Modeller will be demonstrated by the following companies at buildingSMART conference in Oslo: Powell Gemini, EPM Technologies, Rambøll Group. Octaga AS is a member of IA Forum Norway, International Alliance for Interoperability, Nordic Chapter since 2004.



Octaga Modeller gives the users complete parametric control over 3D objects. Octaga Modeller is a high performance, highly interactive 3D viewer supporting file formats like IFC, GML and VRML. It is available for 40 days evaluation from www.octaga.com. Octaga Modeller can be used as stand-alone product or as an OEM product. Octaga Modeller is a perfect match with other software products that can benefit from an interactive 3D-interface to data. For price information, contact sales@octaga.com.



IFC data model from Munkerud project (Norway)



Munkerud: Different storeys, building elements and pipe lines can be merged and streamed sequentially.

Facts about Octaga Modeller 2.0

Octaga Modeller is designed specifically for real-time 3D visualization in industrial design and analysis. The system has functionality for handling large models, support for parametric objects and interfaces to other professional applications such as CAD, CAE, PDM and GIS. Octaga Modeller leverages advantage from the exploitation of high quality, interactive graphics (traditionally) within CAD and GIS environments. Advanced functionality and high quality visualisation can be automatically generated directly from model data.

A high performance interactive visualisation platform

Octaga Modeller is built on high-performance Octaga technology, designed for 2D and 3D graphics. Users can experience and navigate in real-time 3D in compelling and realistic environments. Octaga Modeller allows the generation of camera paths and uses techniques such as multi-texturing and pixel/vertex shaders to heighten visual realism. Additional features such as video on objects or surfaces, spatialized audio, animated 3D objects and user interaction where objects may be moved, scaled and manipulated in the 3D scene can also be applied in Octaga Modeller.

Octaga Modeller Runtime Full Version

The Runtime environment is intended for managers, engineers, sales staff and other professional who need to visually inspect 3D enterprise data. A stand-alone program and ActiveX component are included in the runtime package.

Octaga Modeller Rapid Application Development (RAD) Kit

The RAD Kit is the ideal solution for application developers, who need to integrate 3D viewing functionality in enterprise applications. Octaga Modeller is designed from the ground up to be integrated with other systems, databases and APIs. At its heart is a flexible and dynamic system for retrieving parametric data and building corresponding scene elements for visualisation. Octaga Modeller can be integrated in enterprise application development environments such as Java, C#, and Visual Basic.

Octaga Modeller technical specifications Integration

Octaga Modeller ActiveX plug-in used can be used as a front-end 3D interface to web applications.

Standards compliant

Octaga Modeller is designed to support existing industry ISO standards, and easily integrate emerging and future standards:

- IFC Part21 and XML (for the building industry);
- GML (XML based Geographical Markup Language for GIS);
- VRML and X3D for general 2D and 3D graphics.

Key Features

- Fully interactive 3D system for enterprise data.
- ActiveX control for integration in web and enterprise applications.
- COM, Java, and socket interfaces for application developers.
- Support for advanced rendering techniques such as multi-texturing, shaders.
- Hyper links can be embedded in the 3D model.
- Models files can be dynamically merged, updated and streamed.

Minimum system requirements:

- Processor speed: 450 MHz
- Memory: 128MB
- Graphics card: 32 MB memory 16 - Bit colour with 3D graphics controller
- OS: Microsoft Windows 2000 or XP



IFC Building Model from Sorthøj project (Denmark)

About Octaga AS

Octaga AS is based in Oslo, Norway and was established 2001 as a spin-off company from Telenor. Octaga is today a major manufacturer of 3D viewing software products for industries like construction, engineering, maritime and offshore sectors. Octaga Player/Professional, our standard viewers for web3D (X3D, VRML and MPEG-4) is in use by more than 100 000 users world-wide. Octaga has an industrial approach with customers among companies like FMC Technologies, Statoil, Hydro, IKEA and Selvaag.



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