



Make the most out of BIM
BIM Services for Manufacturers

Connecting MEP professionals worldwide

- Generate more sales for your manufactured products by introducing them as BIM objects early in the design phase
- Create a direct connection between MEP design and your product catalogue
- Enhance the design experience of your customer with tailored BIM tools
- Rely on an experienced partner to help you bring your BIM strategy alive

1 000 000

BIM objects available

100 000

Users through
the MagiCAD Ecosystem

300 000

Product selections per year
through Manufacturer Apps

Find out why almost 300 leading MEP manufacturers are using our services



FAGERHULT

FläktGroup

■ GEBERIT



GROHE

GRUNDFOS

hansgrohe

HILTI

IMI
Hydronic Engineering

Krautz

Lindab

PURMO

Roth

SABIANA
IL CLIMA ANGO

Schneider
Electric

Swegon

systemair

TROX[®] TECHNIK
The art of handling air

uponor

Victaulic

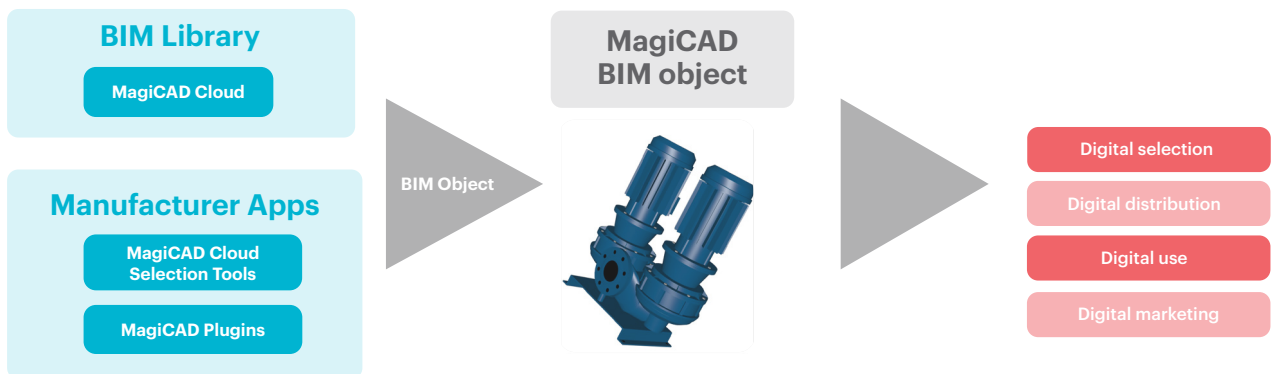
viega

wilo

We meet the specific needs of world-leading MEP manufacturers

Our MagiCAD Cloud BIM object library is the world's most comprehensive and high-quality collection of BIM content for MEP design. The products in the library can be inserted directly into a BIM model, complete with the manufacturer's technical data.

To help designers navigate the content in the library, our Manufacturer Apps enable fast, easy and intuitive product selection and configuration with MagiCAD Cloud-based selection tools and plugins for manufacturer selection software.



What is a BIM object?

A BIM object is an accurate digital representation of the physical product, modelled in 3D.

In addition to geometrical information, they also include comprehensive technical characteristics of the real product. BIM objects are used to populate the BIM model.

In MEP design, for example, all engineering systems are modelled using BIM objects as components. The technical information included in the BIM objects can be used by calculation software, which makes it possible to optimize the efficiency of the various MEP systems in the design phase within the BIM model.

MagiCAD Cloud

MagiCAD Cloud includes over 1,000,000 verified BIM objects from 300 MEP manufacturers. Your products are available in the Cloud as data-rich BIM objects with accurate dimensions and comprehensive technical data for full BIM implementation

BIM objects for Revit

We know how important it is to be able to serve customers using the BIM file formats they prefer. We have over 10 years of experience of the Revit platform and are the leading provider of BIM objects for MEP.

MagiCAD Cloud fully supports Revit and AutoCAD, enabling designers, contractors and engineers to download BIM objects directly into their MEP projects.

MagiCAD network

Users of MagiCAD gain immediate access to your product models in MagiCAD Cloud. MagiCAD is the number one BIM solution for Mechanical, Electrical and Plumbing (MEP) design used by thousands of companies in over 80 countries worldwide.

From your product catalogue into MEP designs

We provide you with the whole BIM object process: from creation to quality control, hosting online, distribution, marketing and analytics.

Powerful marketing tool

MagiCAD Cloud is great for promoting your products. It can be easily integrated into your website in many ways. This grants the best user experience for your customers.

Database Connections

MagiCAD Cloud can be connected with your product information management (PIM). This means that your online BIM object library in MagiCAD Cloud will automatically update with product data from your (PIM) system.

FEATURES AND FUNCTIONS

THE BEST BIM OBJECTS FOR MEP

Comprehensive, end-user friendly 3D models

- Dimensions
- LODs
- Zones
- ETIM classification
- Connections
- Parametric
- Small in size

Technical data

Accurate and up-to-date product data for MEP calculations in a consistent format

Compatibility with leading software for MEP design

MagiCAD BIM objects can also be used as native Revit objects (RFA) and AutoCAD (DXF) objects.

MAGICAD CLOUD FUNCTIONALITIES

Efficient search function

Find suitable products by using MagiCAD Cloud's MEP specific filters

Collections

Create and share product collections in MagiCAD Cloud.

Powerful platform for selection tools

Provide an easy way to select and configure your MEP products with MagiCAD Cloud Selection Tools

BIM connection to MagiCAD and Revit



“Having our products available as BIM objects provides us with a channel into closer cooperation with the designers. We want to get our new products modelled as BIM objects as fast as possible. We have noticed that when new products have been modelled into MagiCAD and MagiCAD Cloud, the demand for the products has virtually skyrocketed.”

Jani Hyvärinen, Grohe

MagiCAD Cloud Selection Tools

When you have

- Products that are highly customisable
- A need to provide extra help with finding the right product for each situation
- A large number of product variants
- An actively updated product repertoire

MagiCAD Cloud Selection Tools

MagiCAD Cloud is a great platform for building easy-to-use BIM product selection tools cost-effectively. MagiCAD Cloud is directly connected to MagiCAD and Revit.

MagiCAD Cloud Selection Tools are web applications that help users to select and configure the correct products for their projects' needs. Once the desired product has been configured, it can be inserted directly into the MagiCAD or Revit project as a BIM object with correct technical information.

MAGICAD CONNECT

MagiCAD Connect is an add-in that integrates seamlessly into plain Revit, MagiCAD for Revit and MagiCAD for AutoCAD. With MagiCAD Connect you can access the BIM objects in the MagiCAD Cloud product library during modelling. It is simply the easiest way to select and insert products directly into your project without ever leaving your design tool.

FEATURES AND FUNCTIONS

- Manufacturer-specific selection functionalities
- Possibility for product-specific calculations
- Advanced search functionalities
- Efficiently handle tailor-made products
- Reach end users organically – solve their problems with complex product selection
- Present additional products & accessories
- DXF/Image export
- Branded according to the manufacturer branding
- Comes pre-installed with MagiCAD Connect app (available for MagiCAD and Revit users)
- Uses the same product data as MagiCAD Cloud product library (no need to keep several databases up-to-date)
- 3D geometry support for all modern browsers, MagiCAD, and Revit
- Technology to show diagrams and graphs in the browser – pressure drop, sound data diagrams and more
- Existing integration with MagiCAD and Revit

MagiCAD

Plugins

When you have

- A selection software you want to integrate to the BIM design process
- A need to add more value for your customers with your current tool

MagiCAD Plugins

Plugins are used for connecting manufacturers' product selection and calculation software with MagiCAD for Revit and AutoCAD.



CASE: Systemair DESIGN plugin for room space import and intelligent selection and insertion of Systemair ventilation products



ABOUT THE PLUGIN

Systemair DESIGN MagiCAD plugin is a Revit extension application that integrates Systemair DESIGN into MagiCAD for Revit \ standard Revit. Integration allows users to search and insert Systemair air distribution, fire and smoke damper products into Revit. Users can either choose a product from the catalog or use the product selector functionality.

In addition, it allows users to export room spaces between Revit and DESIGN making it easy for users to design the air distribution for rooms. Design Rooms command allows users to select the MEP spaces in Revit and export the space geometries to Systemair DESIGN. Users can add products to the space in DESIGN and take advantage of the room visualization functionality. Once the ventilation design for the space is ready, users can import the products to the Revit project.

Software Solutions

As an MEP manufacturer you use various software solutions in different phases of your internal processes, including development, production, sales, logistics, etc.


Our Software Solutions department develops solutions to support the needs of your internal processes. These include a wide range of applications for product configuration, product selection, specific calculations, and ERP and CRM connections.

Over the years, we have developed software components of this kind for a number of customers including Swegon ProSelect, Swegon ProUnit, and Systemair SystemairCAD.

We have more than 35 years of experience in software projects in the MEP industry. Our experience allows us to run each phase of the software development project with optimal efficiency (requirement specification, software specification, development, testing, training, maintenance).

MagiCAD is a reliable, long-term software partner that works in close cooperation with your organisation to support the growth of your product sales.





“I work mainly in the Revit and AutoCAD environments, and if I can find a model on MagiCAD Cloud, I don’t have to re-invent the wheel again. When I started with Revit the whole drawing scene changed drastically. It is a stiff learning curve, and the models in MagiCAD Cloud made the learning process so much easier.”

Anita Du Plooy, Royal HaskoningDHV

The leading BIM software for MEP design

MagiCAD for Revit and AutoCAD

MagiCAD is the number one BIM solution for Mechanical, Electrical and Plumbing (MEP) design used by thousands of companies in over 80 countries worldwide.

MagiCAD makes the design of BIM models easier, faster and more accurate. Fully integrated within Autodesk's Revit and AutoCAD platforms, MagiCAD offers a set of powerful modelling functions for each MEP discipline and enables integrated system calculations.

With MagiCAD, you design with over 1,000,000 intelligent manufacturer-verified BIM objects from leading MEP manufacturers. Additionally, MagiCAD supports many local standards and symbols making it a unique and truly international solution.

Some of our MagiCAD users globally

RAMBOLL

SWECO 

ARUP

COWI

Derry Ltd 

PICK
EVERARD

AECOM

WSP 



SKANSKA



POWERFUL DESIGN CAPABILITIES WITH MAGICAD

- Extensive library of manufacturer content
- Localised standards for integrated engineering calculations
- Time saving productivity tools
- Automated modelling tools
- Advanced coordination tools
- Localised content
- Plugins and MagiCAD Cloud Selection tools

MagiCAD Group

- The pioneering BIM professionals

MagiCAD Group is at the forefront of the digitalisation of the construction industry. Our software products help the designers of Mechanical, Electrical and Plumbing (MEP) systems to create better buildings.

Our strong experience in MEP, BIM and Revit technology makes us an ideal partner for MEP professionals globally.

35 years of MEP software development

MagiCAD Group has a long experience in developing software for MEP. Our strong focus on continuous R&D together with our close cooperation with our customers and partners have brought us to where we are today - the leading BIM solution provider for MEP professionals.

Natural born BIM

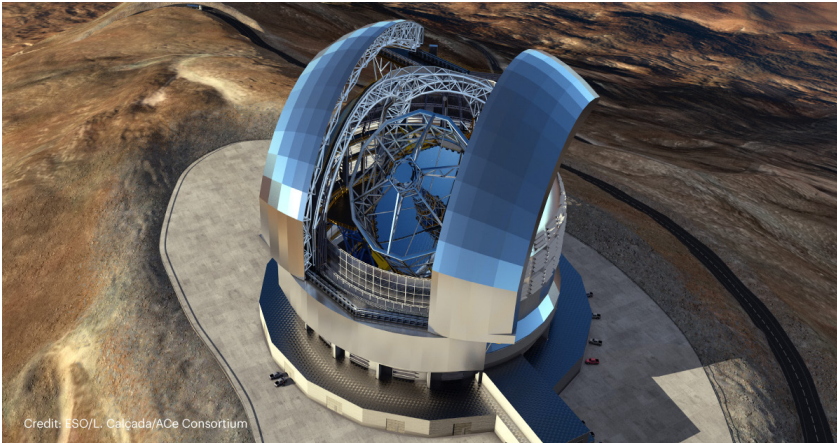
The concept of building information modelling has been included in our MagiCAD software since the beginning. For over two decades BIM has been a natural part of our software solutions.

MEP software specialists at your service

We are happy to provide your company with BIM solutions for MEP according to your preference. Our strong knowledge of the industry enables easy dialog and a smooth workflow from the specification to the successful end-result.

LONG-TERM PARTNERSHIP WITH MEP SOFTWARE PROFESSIONALS

- Over 35 years of experience in MEP
- Built-in BIM vision - BIM ready since 2000
- Revit software development since 2007
- Dedicated production teams of experienced MEP software specialists
- Unique and tailored solutions for different types of MEP manufacturers



ABOUT MAGICAD GROUP | We specialise in software and services for the building industry. Our popular Building Information Modelling (BIM) software, MagiCAD, offers powerful Mechanical, Electrical and Piping design functions and integrated engineering calculations for Revit and AutoCAD. It is used by thousands of companies from more than 80 countries around the world. In addition, our online BIM object library enables access to over 1,000,000 manufacturer-verified products from 300 globally renowned manufacturers. Each object is complete with accurate dimensions and comprehensive technical data.

With more than 35 years of experience in the industry, our team of passionate software professionals continues to provide our customers with intelligent solutions that make daily engineering and design easier, faster and more profitable. MagiCAD Group is a Glodon Group company.

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