

TRIMO



TRIMO DATA CENTRE SOLUTIONS

INTRODUCTION

Trimo is creating highly efficient, sustainable and attractive architectural building envelope solutions. Trimo believes in **high quality, simple, safe and tailor-made solutions** that meet clients' most varied needs.

Over the years Trimo's portfolio of products has grown and developed in tune with market requirements and is now considered to present one of the most **modern and comprehensive** ranges of construction solutions available. Trimo's building envelope products and solutions make data centres safe and highly energy efficient in all weather conditions worldwide. With excellent thermal insulation and airtightness of walls, facades, roofs and integrated elements, Trimo helps its clients to significantly **decrease** their **energy consumption and costs**, to reduce carbon dioxide emissions and enjoy a thermally stable interior climate.

By integrating more than 95% of the necessary parts Trimo's solutions offer quick, precise installation and **up to 40 % time savings** when compared to conventional built-up wall systems. With all elements pre-designed and manufactured in a controlled environment, they significantly contribute to the **long-term building solution**.



TRIMO RANGE OF PRODUCTS

Building envelope

Data centre architecture and requirements can differ significantly. Trimo façade and wall systems with exceptional technical characteristics and the perfect visual expression, easily adjust to any requirements and architectural principles of Data centre architecture.

Partition walls and ceilings

Trimo fireproof panels are distinguished by their strong fire safety, excellent heat and noise insulation characteristics, well-fitting and versatility. Trimo fireproof panels are excellent for installing in any space as partition walls or ceilings.

Roofs

Trimo roof systems combine excellent technical properties together with a complete range of technical solutions and elements whilst also possessing a high aesthetic value. It is an excellent product for protecting buildings from the impact of weather and climate.



TRIMO DATA CENTRES

Trimo facade and wall systems easily adjust to the unique data centre architectural demands. Trimo's range of exceptional building envelope solutions is ideal for constructions where there are very high demands for safety, fire resistance and thermal insulation.

SUPERIOR PERFORMANCE

Best water resistance and air tightness performance in the market.







OPTIMAL DATA CENTRE ENVIRONMENT

can be achieved with the appropriate temperature in the interior space, fresh air without harmful particles, appropriate natural daylight in an internal space, appropriate sound protection and fire resistance.

ADVANTAGES OF TRIMO BUILDING ENVELOPE SOLUTIONS:

Highest Quality

Completely prefabricated and self-supporting wall systems.

Time & Cost Saving

No cost for structural wall or additional sub-construction, no fabrication on-site, lower installation and maintenance costs and reduced construction time.

Fire Safety

The element's core is made of mineral wool, which is a class A1 non – combustible material that does not add any energy to a fire.

Low energy consumption

Very low energy consumption approaching the aim of Nearly Zero Energy Building (nZEB) as well as reduced energy consumption for cooling and artificial lighting.

Superior thermal insulation levels

Due to superior airtightness between Trimo's building elements no air crosses through the building envelope that could cause faster air movement and draught. Thermally stable interior environment is assured.

$U \geq 0.16 \text{ W/m}^2\text{K}$ for prefabricated metal total wall solution Qbiss One;

$U \geq 0.15 \text{ W/m}^2\text{K}$ for insulated fire-proof panels Trimoterm.

Building Air- and Water-tightness

Tested to the most demanding conditions of CWCT standards, the Qbiss One façade system provides a superior air- and water-tight envelope. Qbiss One also passed the tough FM 4881 hurricane test. From basic to extreme level - exceeding the level of passive buildings by a factor of 10. ($n_{50} \leq 0.06$)

Durability and Low Maintenance

Using Trimo's advanced building envelope solutions there will be less need for building refurbishments in the future. Low maintenance costs due to all-in-one prefabricated and designed elements are also assured.



CERTIFIED QUALITY

For its quality management systems, products and solutions Trimo has received more than 1500 certificates in 23 countries worldwide.

Certificates include ISO 9001, ISO 14001, OHSAS 18001, CE, TUV, LPCB, FM Approved, CWCT, BREEAM, EN, DIN, GOST R, SBSC, CSTB and many others.



Mitglied des:

IFBS Industrieverband für Bausysteme im Metalleichtbau

THE HIGHEST RATING A+ ACCORDING TO BREEAM

Qbiss One and Trimoterm gained the highest A+ rating from BREEAM environmental assessment and are currently the only products of their kind within the prefabricated metal façade elements category and available on the market to be granted the top rating of A+.



TECHNICAL CONSULTING

Trimo technical consulting team is a partner you can count on to provide comprehensive support throughout the entire duration of your project - from planning and purchasing to project management and creation, as well as flawless implementation.

Technical support includes visualisations, detailing, BIM support, static solutions and managing of changes, information and resources.

Technical consulting team also provides special product solutions designed to perfectly suit your project.





TRIMO BIM SOFTWARE TOOL

The Trimo BIM software tool ensures the efficient management of information processes throughout the entire lifespan of the building and enables fast and efficient design of the building envelope.

Trimo BIM libraries for Qbiss One and Trimoterm wall systems are available and suitable for GRAPHISOFT ARCHICAD and Autodesk Revit software.

Trimo BIM Libraries are available on:
www.trimo-group.com

COMPANY PROFILE

Trimo is one of Europe's leading companies developing original and complete building envelope solutions.

Expert knowledge, sustainability, reliability and a focus on the future are all basic components that have taken Trimo around the world. Today Trimo sells its products and services under its own brand across more than 60 countries worldwide and has a sales network in almost 30 countries.

Portfolio of partners includes companies such as Airbus, London Heathrow Airport, Nestle, Philips, DHL, Porsche, McLaren, IKEA, Prologis, Mercedes Benz, Coca Cola and many others.

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