

TRIMO

ARCHITECTURAL
SOLUTIONS



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INTRODUCTION

Trimo is one of Europe's leading companies in the provision of Complete Building Envelope Solutions. Located in Trebnje, Slovenia, Trimo provides its products and services under its own brand across more than 60 countries worldwide and has a sales network in almost 30 countries. Expert knowledge, sustainability, innovation, reliability and customer support are present in numerous realized projects around the world.

Business partnership is based on trust, quality and best design and Trimo can boast an impressive portfolio of partners which includes companies such as Airbus, London Heathrow Airport, Nestle, Philips, DHL, Porsche, McLaren, IKEA, Prologis, Mercedes Benz, Coca Cola and many others.

Trimo has received more than 1500 certifications across 23 countries worldwide. Certificates include ISO 9001, ISO 14001, BS OHSAS 18001, CE, LPCB, FM Approval, CWCT, BREEAM, GOST R, SBSC, CSTB, Ü and many others.

Quality, Design, Sustainability, Safety and Energy Efficiency are inseparable features of Trimo's best selling products Qbiss One, Trimoterm and ArtMe all exhibited at this year's BAU Trade Fair. In this as a backdrop, Trimo is proudly launching four additional products:

- Innovative metal rainscreen system Qbiss Screen that is suitable for both new-build and refurbishment projects;
- Trimoterm backing panel carrier wall that offers a true alternative to prefabricated facades and is suitable for low and high-rise buildings;
- A new material implementation for extra durable and extravagant Stainless-steel design;
- New Qbiss One glazing types with Schüco's Windows, Doors and Curtain Walls system.





QBISS ONE

the Trend Setter

Qbiss One is Trimo's unique metal curtain wall façade system that represents a technological and design breakthrough in its class. Patented rounded corners, unmatched flatness and advanced technical characteristics are innovative trademarks of the Qbiss One façade system.

Manufactured using the latest automated technology the patented rounded corner of the galvanised and pre-finished steel sheet eliminates the need to cut, weld, or fold the façade elements and contributes to the highest quality and design perfection of the system. Qbiss One provides high energy efficiency, fire safety and non-toxicity while using non-combustible mineral wool class A1 as a core. The entire Qbiss One façade system itself has an A2 classification, which assures up to two hours of fire resistance.

Additional system components include fixing and sealing materials, corner elements, optional sub-construction components, doors and windows, all supported by more than 100 architectural performance details for a total building envelope solution.

Qbiss One has been used in modular length from 530 mm up to 6,500 mm by some of the world's leading architects and on some of the most exciting projects across the globe – projects such as McLaren Production Centre (UK), Porsche Car Showroom (Netherland), Office building Lufthansa (Germany) and many others. Since the system is completely prefabricated and self-supporting it also lowers installation and maintenance costs and enables quick construction.

High thermal insulation level with U value of up to 0.16 W/m²K, superior air - and water-tight envelope up to 1200 Pa, recently passed FM 4881 hurricane test and top rating of A+ according to BREEAM are inseparable facts of Qbiss One that withstands the most demanding markets in the World.

Design possibilities are countless, as Qbiss One can be applied with different installation styles, special curved or non-orthogonal options. The façade design can further be emphasized with a wide range of colours or different joint detail design, preserving the flatness of the façade surface at any time.

For efficient and faster building design architects and engineers can use the Qbiss One **BIM tool** that is available for ARCHICAD and Revit 2012-2018.

NOVELTY 2019 - SCHUCO GLAZING AND STAINLESS-STEEL METAL SHEET

Qbiss One curtain wall façade system offers a range of elegant and high-quality solutions for windows, doors and other openings. Frames are made of aluminium profiles with an integrated thermal transfer barrier that assures thermal stability of the indoor environment.

At this year's BAU Trade Fair, Trimo is introducing Qbiss One glazing integration with Schüco's exceptional Windows, Doors and Curtain Walls system.

In addition to the new products in Qbiss One glazing area, Trimo has also upgraded the Qbiss One design by introducing new Stainless-steel finishes that will revive the appearance of Qbiss One in 2019.



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QBISS SCREEN

the “Hybrid” Façade

At this year's BAU Trade Fair Trimo will exhibit a new, innovative Qbiss Screen system that is designed for ventilated façade applications. Qbiss Screen is fully compatible with all Qbiss One building envelope solutions and therefore represents a perfect addition to new-build or refurbishment projects.

Qbiss Screen is an extra light, extremely flat and durable metal rainscreen system that is manufactured in a fully automated and controlled environment, which ensures quality, consistent performance and renowned Qbiss One design look.

Its main component is made of an aluminium honeycomb core, bonded between two pre-painted metallic coated steel sheets. With additional fixing material, architectural performance details, prefabricated corner elements, optional windows, doors and substructure, the Qbiss Screen system can be applied as the perfect cladding of internal and external walls and soffits.

DESIGN, FUNCTIONALITY AND DURABILITY

Qbiss Screen is designed to maintain perfect flatness, low weight and minimal thickness of just 50 mm. The Qbiss Screen elements inherited Qbiss One's rounded corner technology that excludes cutting or folding, which removes any potential area of water ingress risk typical of conventional rain screen systems.

Qbiss Screen is engineered to meet the highest A2 fire regulation demands as well as extremely high wind loads at its maximum dimensions of up to 6500 mm. It is an environmentally friendly system of 99% recyclability.

Additionally, with a vast array of different installation variations, colours and material finishes, Qbiss Screen offers a vivid customization of any desired building envelope design. Qbiss Screen offers short installation time and quick and easy element replacement if needed. Great savings in installation time and material cost are guaranteed due to lengthy elements and substructure needed only at the ends of the elements where it is fixed. Able to match with the highly insulative Qbiss One prefabricated wall system, Qbiss Screen rainscreen cladding actively complements the contemporary building envelope requirements.



TRIMOTERM

a Timeless Innovation

Developed and designed back in 1987 Trimoterm fireproof façade and roof system are constantly present in various buildings around the World where the highest demands of fire resistance, sound reduction and thermal insulation are required. With its large dimensions of up to 14 m in height and advanced technical performance, Trimoterm certainly exceeds the standard expectations of prefabricated façade systems.

Available with a complete system of matching components and meeting country specific requirements and regulations Trimoterm is suitable for either leisure, commercial, industrial, transport and other public buildings. Trimoterm can be used in a wide range of architectural applications such as external façade, roof cladding, internal partition walls, fire walls and ceilings.

Trimoterm was implemented in some of the most demanding construction applications such as Heathrow Airport Midfield Pier3 (UK), where special demands for sound insulation were required, Kolektor-Etra Industrial building (Slovenia) where exceptional building airtightness was achieved or as an integral part of the Trimoterm's complete building envelope solution delivered for the KJG Business Centre (Slovakia), to name just a few.

Trimoterm is a long-lasting solution with a life expectancy of more than 50 years. It is certified across the globe for compliance to safety, fire and thermal performance. Its performance in fire is where it excels: fire resistance up to 240 minutes, excellent thermal insulation with U-values of 0.15 W/m²K, sound insulation up to 34 dB for the panel, water and air tightness that reaches up to 1200 Pa and extreme structural performance that enables frame-to-frame spanning capability up to 10 m with no need for secondary steel construction.

Trimoterm holds the highest A+ rating according to BREEAM for sustainability and contributes to a more sustainable building environment. Its smooth façade surface and uniform colour is guaranteed in any desired shape or dimension.

For efficient and faster building design, architects and engineers can operate with Trimoterm BIM tool that is available for ARCHICAD and Revit 2012-2018.

NOVELTY 2019 - TRIMOTERM BACKING PANEL

The Novelty in Trimoterm product family is the Trimoterm backing panel.

Trimoterm backing panel is a combination of Trimoterm panels supplied as a series of elements with additional external rain screen cladding. Trimoterm panels are used as a main structural carrier wall with excellent thermal, water and airtightness and sound performance. They provide reliable, prefabricated, high quality support wall as a base for different architectural secondary rainscreen finishes such as stone, wood, brick or other materials.

The Trimoterm backing panel is vertically fixed between floor slabs and incorporates a "sleeved" connection at the head to accommodate slab movement. It is a long-lasting system with a life expectancy of more than 50 years and a certified load capacity while at the same time providing a seamless appearance of the building envelope.

The new carrier system is therefore an ideal building envelope solution for both Low - and High - Rise residential or business buildings that require quick assembly, self-spanning prefabricated panels, fire protection, excellent sound and thermal insulation, air and water tightness, as well as architectural façade finishes of Terracotta, Wood, Brick Slips or other building cladding types.



ARTME

the Creativity “Trigger”

One of the unique performances of Trimo’s façade systems results in its perfectly smooth surface that assures the minimalistic visual experience of the façade. If desired, this surface can be changed into a playful platform where individual design or other pre-designed patterns can be applied. This is possible with the Red Dot award-winning product ArtMe that uses advanced 3D-forming technology.

Individuality of the design can be achieved by means of the mechanical transformation of a metal flat surface or figuratively “by drawing” on a façade element. In this way, a new visual effect, such as a pallet of shades, reflections, forms, patterns and logos can be obtained on an individual element, complete façade or its part. Seven pre-designed patterns: Puzzle, Lines, Bubbles, Cross, Circles, Mesh and Stripes are instantly ready to use.

ArtMe is an innovative approach that was used for the first time on completed façade elements with pre-coated steel-sheet surfaces. The reshaping of the façade surface is non-penetrating or damaging and does not impact on the life and durability of the façade element whilst ensuring maximum visual effect at minimal cost and the highest façade quality. Above all it makes the design of the facade unique.

“Fade in” or “Fade out” effects that are engraved on the façade of Jodrell Bank Discovery Centre for Astrophysics (UK), for example, or exact illustrations of a plant process such as that shown on the façade of the Holcim Factory (Slovakia) are just some of the references that point out key advantages of the ArtMe technology: Individuality, Difference, Aesthetics, Design and Quality.

More on:
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