COMPANY PROFILE
55+ YEARS OF EXPERIENCE

MORE THAN

50 MILLION M²
OF FAÇADES AND ROOFS PRODUCED

PROJECTS IN MORE THAN

100
COUNTRIES WORLDWIDE

MORE THAN

20,000
CUSTOMERS & PARTNERS

CE MARKED & CERTIFIED
Trimo is a high-quality global supplier of innovative, flexible, functional and energy-efficient architectural building envelope solutions. Our customers are at the heart of our operations as we understand their needs and provide them with the highest level of service and product quality. Our work reflects the company’s core values of partnership, reliability, responsibility, trust, innovation and passion.
HISTORY

DEFINING MOMENTS IN THE HISTORY OF THE TRIMO GROUP

Establishment of Trimo

1961

Production start of thermal-insulated PU panels

1974

First in the world to produce Trimoterm fireproof panels with mineral wool core on continuous line

1987

Production begins in Serbia

1989

First modular space solution produced

2007


2008
Supply of façade panels for construction of the first CO₂-neutral building in the world

2009
ArtMe unique façade design receives “red dot” product design award

2010
Innovative Qbiss One façade system introduced to the market

2016
New corporate identity for Trimo Group

2019
Global launch of Qbiss Screen - innovative metal rainscreen
TECHNICAL SUPPORT AND CONSULTING

From an initial idea to the final implementation: the Trimo team supports you at every phase of your project, from planning and architectural design to the construction and handover.
We have developed BIM libraries of our products for the most sophisticated engineering software ArchiCAD and Revit in order to support and speed up the building design process. Trimo BIM libraries are available at https://trimo-group.com/en/trimo/downloads/design-tools/bim/.

The Trimo team of experts monitors the global market by recognising design requirements in accordance with the latest standards – European EN norms, German, Russian SNIP, American ASTM, and various others and designs projects according to the individual and specific requirements.

Trimo provides a large range of architectural and engineering principle details for sandwich panel façades, walls and roofs. Its team of dedicated technical support and product development specialists is known for giving professional advice on bespoke details and individual custom-made solutions.

The Trimo technical consulting team is a partner you can count on to provide comprehensive support throughout the entire duration of your project.

Technical support includes visualisations, rendering, detailing, BIM engineering, virtual and augmented reality, structural calculations and management of changes, information and resources.

The technical consulting team also provides special product solutions designed to perfectly suit your project.
FAÇADE SYSTEMS
QBISS ONE

Qbiss One is a world-class engineered, prefabricated, A1 mineral wool-insulated, metal façade system that offers a through wall solution within a single piece of construction element. Façade elements with embossed corners, unmatchable flatness and advanced technical characteristics place Qbiss One among the best façade systems in the world.

TOTAL WALL SOLUTION
- Single component pre-engineered and pre-fabricated construction element
- Self-supporting column to column horizontal or floor to floor vertical installation

VERSATILE DESIGN POSSIBILITIES
- Embossed element corner design
- Extensive range of interfaces and bespoke elements
- Pre-fabricated corners and curved elements
- 3D corners
- Integrated windows, doors and louvre systems

MAXIMUM SAFETY
- Class A1 non-combustible mineral wool insulation core
- High-level insulation values up to 0.15 W/m²K
- Fire resistance: up to class EI 120 minutes integrity and insulation
- Watertightness up to 1200 Pa
- Flexible coating guaranteed up to 30 years and lifetime expectancy up to 50 years*

*Terms and conditions apply
A DESIGN AND TECHNOLOGICAL BREAKTHROUGH
QBISS ONE DESIGN

Qbiss One and Qbiss Screen are distinguished by the unique embossed corner of the element which results in superior aesthetics without any cuts, folds or welds.

COLOUR RANGE

External steel skin is available for different corrosion environments of up to C5 (according to classification in EN12944) and is available in a variety of colours. Non-standard colours are available upon request.

SOLID COLOURS

- White RAL 9010
- Grey White RAL 1002
- Cream RAL 1015
- Light Grey RAL 7035
- Bright Yellow NCS S 1070 Y10R
- Basalt Grey RAL 7017
- Sapphire Blue RAL 5023
- Traffic Red RAL 3020
- Anthracite RAL 7016
- Black RAL 9005

ELEMENTS*

- Seren White
- Seren Silver
- Seren Gold
- Seren Copper
- Seren Black
- Sirius Sparkle
- Orion Sparkle
- Zeus Sparkle
- Anthracite Solet

SPECIAL METALLIC

- Light Silver
- Silver RAL 9006
- Dark Silver RAL 9007
- Light Graphite
- Light Silver
- Light Silver
- Dark Silver RAL 9007
- Light Graphite

STAINLESS STEEL**

- Quadro Lucido
- Dots Lucido
- 2WL Lucido
- SWL Lucido
- Palla Lucido

*Colorcoat Prisma and Seren are trademarks of Tata Steel UK Limited
**Stainless steel is a bespoke solution and shall be discussed with the Trimo technical department on an individual project basis from an application and availability perspective. Colours may deviate slightly due to different monitors and prints compared to original colours. Trimo can send you a metal swatch upon request.
The Qbiss One façade element consists of two galvanised and pre-finished steel sheets bonded to a non-combustible A1 mineral wool core. All the layers together make a solid element with a thickness ranging from 80 – 250 mm.

The Qbiss One system consists of:
- Modular façade elements
- Fixing and sealing material
- Architectural performance details
- Corner elements
- Adjustable sub-structure (optional)
- Windows (optional)

**FIRE RESISTANCE CLASS UP TO EI 120**

**U VALUE UP TO 0.15 W/m²K**

**WATER PERMEABILITY UP TO 1200 Pa**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
<td>80 - 250</td>
</tr>
<tr>
<td>Modular width (mm)</td>
<td>600 - 1200</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>530 - 6500</td>
</tr>
</tbody>
</table>

**TYPICAL INSTALLATION DETAILS**

- Base detail
- Top parapet detail
- Window fixed glass
- Brick

**CORNER ELEMENTS**

- Prefomed horizontal sharp-edged corner
- Sharp-edged corner flashing
- Rounded corner flashing
- Prefomed 3D corner
- Transversal joint
- Longitudinal joint

[Diagram of façade elements and joints]
QBISS SCREEN

An innovative metal rainscreen designed for ventilated façade applications and for both new-build and refurbishment use. It is comprised of an aluminium honeycomb core, bonded between two metal skins, with an embossed corner design. It is equally applicable as an exterior and interior wall and soffits bringing a system approach to the building envelope. With an extremely flat design, Qbiss Screen is also engineered to meet the A2-S1, d0 fire classification demands and withstands high wind loads to larger spans than conventional rainscreen systems.

HIGH-QUALITY RAINSCREEN
- Fully prefabricated and self-supporting element
- Embossed corners without cuts, folds or welds
- Extreme element flatness

VERSATILE DESIGN POSSIBILITIES
- Compatible with Qbiss One façade elements
- Various joint and installation options
- Wide range of colours and material finishes

MAXIMUM SAFETY
- Class A2 limited combustibility classification
- Quick installation with reduced amount of bearing sub-frame system up to 60%
- Lightweight elements for simple on-site handling and installation
INNOVATIVE RAINSCREEN
Qbiss One and Qbiss Screen are distinguished by the unique embossed corner of the element which results in superior aesthetics without any cuts, folds or welds.

**QBISS SCREEN DESIGN**

**QBISS SCREEN SYSTEM:**
- Modular rainscreen
- Fixing and sealing material
- Architectural performance details
- Corner elements

**JOINT OPTIONS**

Qbiss Screen system allows various combinations of recessed and flush joints for horizontal and vertical installation.

**HORIZONTAL INSTALLATION**

**VERTICAL INSTALLATION**
TYPICAL INSTALLATION DETAILS

CORNER ELEMENTS

PREFORMED HORIZONTAL SHARP-EDGED CORNER
SHARP-EDGED CORNER FLASHING
ROUNDED CORNER FLASHING

All DWG details and BIM libraries are available at: https://trimo-group.com/en/trimo/downloads/

REACTION TO FIRE - ELEMENT [EN 13501-1] A2*
* According to classification report No. P.1150/17-036-L (ZAG, 2018)

Thickness (mm)
50

Module (mm)
600 - 1200

Length (mm)
530 - 6500
TIMELESS INNOVATION
TRIMOTERM

The Trimoterm fireproof façade system is a high-quality, versatile and environmentally friendly construction product where the highest demands on fire resistance, sound reduction and thermal insulation are required. It offers the perfect combination of functionality and durability, whilst also delivering true architectural expression.

Available with a complete system of matching components and meeting country-specific requirements and regulations, Trimoterm is suitable for a wide range of external façade and roof cladding, internal partition walls, fire walls and ceilings. In addition to various industrial, logistic and commercial build applications, Trimoterm panels can also be successfully utilized in the most demanding environments, such as the food processing and pharmaceutical industry, power plants, oil and gas industry applications and many others.

TOTAL WALL AND ROOF SOLUTION

- Wide range of profile finishes and applications
- Range of ancillary interface items, bespoke solutions, pre-fabricated corners, aluminum extrusions and feature details
- Versatile stand-alone system or carrier structural wall for secondary architectural cladding solutions

MAXIMUM SAFETY

- Class A1 non-combustible mineral wool insulation core
- Exceptional fire resistance up to class EI 240 minutes of integrity and insulation
- Advanced thermal and sound insulation and structural spanning performance
- Extremely high level of airtightness and watertightness
TRIMOTERM PRODUCT RANGE

TRIMOTERM POWER T
Trimoterm Power T are roof and façade panels with superior thermal insulation and can achieve a U-value of as low as 0.16 W/m²K.

TRIMOTERM POWER S
Trimoterm Power S are long-spanning façade panels, which reduce the need for secondary steel constructions.

TRIMOTERM SOUND
Trimoterm Sound panels serve as exceptional protection against noise hazards as well as contributing to the well-being of everyone in the environment. In addition to the standard characteristics of the Trimoterm panels, acoustic panels also have excellent sound-absorbing characteristics.

TRIMOTERM BACKING PANEL
The Trimoterm Backing panel is designed for a wide variety of uses for both low and high-rise residential buildings and other types of buildings. Trimoterm sandwich panels are used as a main structural carrier wall with excellent thermal, water and air permeability, and sound performance. It is a replacement for traditional steel framing systems. It provides a reliable, prefabricated, high-quality support wall as a base for different secondary architectural rainscreen finishes.

TRIMOTERM BLAST
Trimoterm Blast enhanced panels can withstand up to 1.0 bar blasts and are suitable for on and offshore construction. Panels are A60 and H120 fire tested and are fire post blast certified.

PARTITION WALLS AND CEILINGS
Trimoterm panels are suitable for the construction of partition walls, fireproof separation walls and ceilings.
**TRIMOTERM DESIGN**

**JOINT OPTIONS**

**TRIMOTERM FTV (STANDARD JOINT)**

The standard joint system Trimoterm FTV represents the basic fixing method of Trimoterm panels and is suitable for the horizontal, vertical and segmental installation of panels.

**TRIMOTERM FTV HL (HIDDEN JOINT)**

The hidden joint system Trimoterm FTV HL offers a clean façade look with no visible fixings. Trimoterm panels with a hidden joint are mainly intended for vertical installation, but under certain conditions and with limitations, can also be used for various horizontal cladding applications.

**COLOUR RANGE***

Trimoterm steel sheet metal is hot galvanised in compliance with EN 10346, and additionally protected by an organic coating in accordance with the coil-coating process [DIN EN 10169/1]. The following basic types of organic coatings are applied to steel sheet metal based on:

- SP polyester
- PVDF polyvinylidene fluoride
- PUR polyurethane
- PVC polyvinyl chloride, coating or film

A wide range of colour finishes is available for any building, which are engineered to capture the perfect look of the building design, both internally and externally.

*Colours may deviate slightly due to different monitors and prints compared to original colours. Trimo can send you a metal swatch upon request.
PANEL PROFILES

Trimoterm fireproof panels are distinguished by a wide range of profiles that enable the design of a large number of different solutions, tailored to individual buildings.


SYSTEM

Trimoterm offers a wide range of versatile accessories, including fasteners for fixing panels and flashings, sealants, aluminium extrusion profiles and flashings.

Rounded and sharp-edged pre-fabricated corners from Trimo’s portfolio of façade finishing elements, in a creative combination with façade panels, provide special aesthetic effects. They can be used on vertically installed façade panels, or with a combination of horizontally installed façade panels and a vertically installed corner.

Thickness (mm) 50 - 250
Module width (mm) 660 - 1200
Length (mm) up to 14000
NON-COMBUSTIBLE MINERAL WOOL CLASS A1
FIRE RESISTANCE CLASS UP TO EI 240
U VALUE UP TO 0.16 W/m²K
ArtMe surface treatment that allows unlimited shapes, patterns and visual effects to be expressed on the façade for dramatic, individual and creative results. From designs and pictures to inscriptions, logos, brands and bespoke creations.

ArtMe uses a highly controlled 3D-forming technology, which is being used for the first time on complete façade elements with pre-coated steel-sheet surfaces. Recognising the importance of product performance, the original integrity and characteristics of the façade elements are preserved without compromise.
TRIMOTERM SNV
(ROOF PANELS)

Trimoterm fireproof roofs are the perfect solution for pitched roofs. Thanks to the excellent technical characteristics and the complete range of technical solutions and elements, the Trimoterm roof system provides the perfect protection against harsh weather conditions. Trimoterm roofing systems are an excellent product to provide protection from weather and climate influences.

FIRE RESISTANCE
- Excellent fire resistance of up to 180 min

TOP STRUCTURAL PERFORMANCE

QUALITY
- Outstanding quality and functional solutions with a long life span

INSULATION
- Excellent thermal and sound insulation
HIGH FUNCTIONALITY AND LONG LIFE SPAN
MODULAR SPACE SOLUTIONS
MODULAR SPACE SOLUTIONS

Trimo is one of the leading providers of modular space solutions, with over 30 years of experience and more than 100,000 units manufactured and supplied worldwide to date.

Trimo modular space solutions are used extensively by private and public companies as temporary or permanent, easy to set up and efficient accommodation, offices, showrooms, hotels, schools and nurseries, infrastructure buildings, etc.

Trimo modular units are efficient, innovative and sustainable; made from natural materials and almost 100% recyclable. Modular units can be shipped assembled or, to keep transport costs to a minimum, supplied flat-packed for on-site installation with the minimum number of tools. Units can also be easily disassembled after use and transferred to a new location.

PROVEN QUALITY
- 30 years of experience

FLEXIBLE DIMENSIONS
- Length up to 30 ft, width up to 10 ft, height up to 12 ft, non-standard modular unit sizes are available too

ENERGY-EFFICIENT
- Thermal conductivity values (U) for walls, floor and ceiling as low as 0.16 W/m²K

FIRE SAFETY
- Wall panels are EI fire resistance class certified (EI 30 – EI 240)

EASY TO TRANSPORT AND RELOCATE
- Flat-packed or fully factory assembled, completely interchangeable wall panels

LONG-TERM ECONOMIC BENEFITS
- Easy to build and install, designed to be used on many consecutive projects over a long period of time

More information about Trimo modular space solutions at: www.trimo-mss.com
QUICK, SAFE AND RELIABLE
STUNNING FINISHES

Trimo decorative elements emphasise the selected façade line, cover visible panel joints and give the building a touch of elegance. You can choose from various different options, manufactured from extruded and powder-coated aluminium.

FIXING ELEMENTS
DECORATIVE ELEMENTS

HF1 - T PROFILE

HF5 - DECORATIVE WINDOW PROFILE

HF2 - TRAPEZOID PROFILE

HF8 - ELLIPTICAL PROFILE

HF7 - TRIANGULAR PROFILE
MATERIALS
ALL TRIMO PRODUCTS ARE BUILT FROM THE HIGHEST QUALITY MATERIALS. WITH EXCEPTIONAL TECHNICAL CHARACTERISTICS AND PERFECTED VISUAL EXPRESSION, TRIMO PRODUCTS EXCEL NOT ONLY IN DESIGN BUT ALSO IN THEIR PERFORMANCE.
MINERAL WOOL

- Class A1 non-combustible reaction to fire classification
- High density 90-120 kg/m³ for superior structural strength
- Environmentally friendly, landfill disposal as non-hazardous waste
- Recycling costs up to 5 times less vs PIR/PUR insulation
- Does not absorb water
- Retains the thermal and structural performance throughout its lifetime
- Does not provide the environmental conditions for bacteria growth and rodent animals, thus is also suitable for construction in the food & pharmaceutical industries, clean rooms, etc.

STEEL AND COATING SELECTION

- External steel sheet thickness 0.50 to 0.70 mm
- Internal steel sheet thickness 0.50 to 0.60 mm
- Base substrate galvanised (Zn, ZnMg, ZnAl)

PAINT COATING TYPES

- Standard polyester paint SP 25 micron (suitable for C2-C3 corrosion climate environment)
- Polyvinylidene fluoride paint PVDF 25 to 42 micron (suitable for C3-C4 corrosion climate environment)
- Polyurethane paint PUR 50 to 65 micron (suitable for C4-C5 corrosion climate environment)
- PVC laminate coating PVC 120 to 150 micron (suitable for C3-C4 corrosion INTERNAL climate environment)

Guarantee period is directly influenced by the selected paint coating and corrosion climate environment

RISK OF CORROSION - CLASSIFICATION OF AMBIENT CONDITIONS ACCORDING TO EN ISO 12994-2

<table>
<thead>
<tr>
<th>Corrosion risk category</th>
<th>External</th>
<th>Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1 Very low</td>
<td>-</td>
<td>Isolated building. Relative humidity of air: less than 60%</td>
</tr>
<tr>
<td>C 2 Low</td>
<td>Slightly polluted atmosphere, dry climate e.g. rural areas</td>
<td>Non-isolated building with temporary water condensation e.g. warehouses, sport halls</td>
</tr>
<tr>
<td>C 3 Medium</td>
<td>Urban or industrial atmosphere with low level of CO₂, pollution or coastal areas with low salinity</td>
<td>Premises characterised by high relative humidity of the air and impurities, e.g. breweries, laundries, diaries</td>
</tr>
<tr>
<td>C 4 High</td>
<td>Industrial or coastal atmosphere with low salinity</td>
<td>Swimming pools, chemical factories</td>
</tr>
<tr>
<td>C 5 Very High I</td>
<td>Industrial atmosphere with considerable humidity and aggressive atmospheres</td>
<td>Buildings or areas with almost continuous water condensation and high levels of pollution</td>
</tr>
<tr>
<td>C 5 Very High M</td>
<td>Coastal area with high salinity</td>
<td></td>
</tr>
</tbody>
</table>
PROJECTS IMPLEMENTED AROUND THE WORLD
PORSCHE CAR SHOWROOM
LOCATION
SWITZERLAND

YEAR OF COMPLETION
2017

ARCHITECT
GOLDBECK RHOMBERG AG

PRODUCT
QBISS ONE
EQUINIX LD6 DATA CENTRE
LOCATION
UNITED KINGDOM

YEAR OF COMPLETION
2015

ARCHITECT
ARUP ASSOCIATES

PRODUCT
QBISS ONE
COMMERCIAL CENTRE MANGO
LOCATION
SPAIN

YEAR OF COMPLETION
2015

ARCHITECT
GCA ARQUITECTURA

PRODUCT
QBISS ONE
COMMERCIAL CENTRE HOME
LOCATION
UNITED KINGDOM

YEAR OF COMPLETION
2015

ARCHITECT
MECANOO ARCHITECTEN B.V.

PRODUCT
QBISS ONE
RESEARCH INSTITUTE ELI-ALPS
LOCATION
HUNGARY

YEAR OF COMPLETION
2017

PRODUCT
QBISS ONE
LOCATION
THE NETHERLANDS

YEAR OF COMPLETION
2017

PRODUCT
QBISS ONE
ORTERER GRUPPE LOGISTICS CENTRE
LOCATION
GERMANY

YEAR OF COMPLETION
2016

ARCHITECT
KEHRBACH PLANWERK

PRODUCT
QBISS ONE
HEADQUARTERS HEKA HERZOG
LOCATION
GERMANY

YEAR OF COMPLETION
2018

PRODUCT
QBISS ONE
PARTYRENT LOGISTICS CENTRE
LOCATION
GERMANY

YEAR OF COMPLETION
2013

ARCHITECT
JAROSCH ARCHITEKTUR DARMSTADT

PRODUCT
QBISS ONE