

TRIMO

ARCHITECTURAL
SOLUTIONS

TRIMO DATA CENTRE
SOLUTIONS

EN



DC requirements

Delivering reliability

Data centres require fire-safe, airtight, energy-efficient building solutions that support reliable operation and scalable growth. With increasing performance demands, the building envelope plays a key role in protecting critical zones, maintaining stable internal conditions and supporting the safe integration of service openings.

KEY INFRASTRUCTURE REQUIREMENTS

- High thermal loads,
- Cooling architecture,
- Fire safety and airtightness,
- Energy efficiency and carbon footprint,
- Security and resilience,
- Continuous, safe operation,
- Short time to market

SCAN



for the Trimmo
Data Centre
Handbook

WHY TRIMO INSULATED PANELS



Lower embodied carbon

Embodied carbon is becoming increasingly important in achieving low carbon footprint throughout a DC's whole life cycle.

SOLUTION

Qbiss One NEXT and Trimoterm NEXT achieve up to 69 percent lower carbon footprint compared to standard panels.



Airtightness & moisture control

For a DC, airtight, watertight joints are not just a building detail, they support moisture control and the stable management of cold and warm airflow.

SOLUTION

A sealing process using precisely profiled panel joints and seals supports the façade's resistance to humidity and wind.



Fire safe solutions

DC battery systems, diesel generators, and ventilation shafts increase fire risk, so the building envelope must be designed to slow fire spread, enable evacuation, and protect valuable IT equipment.

SOLUTION

Due to their non-combustible core, Trimmo panels enable high fire resistance. In some designs, this can reach EI 240.



Long-term reliability

Continuous operation makes tested, certified products essential for safe long-term operation.

SOLUTION

Selected Trimmo systems are FM Approved and LPCB certified, supported by additional international approvals.

Data centre

Reliable performance and fast delivery

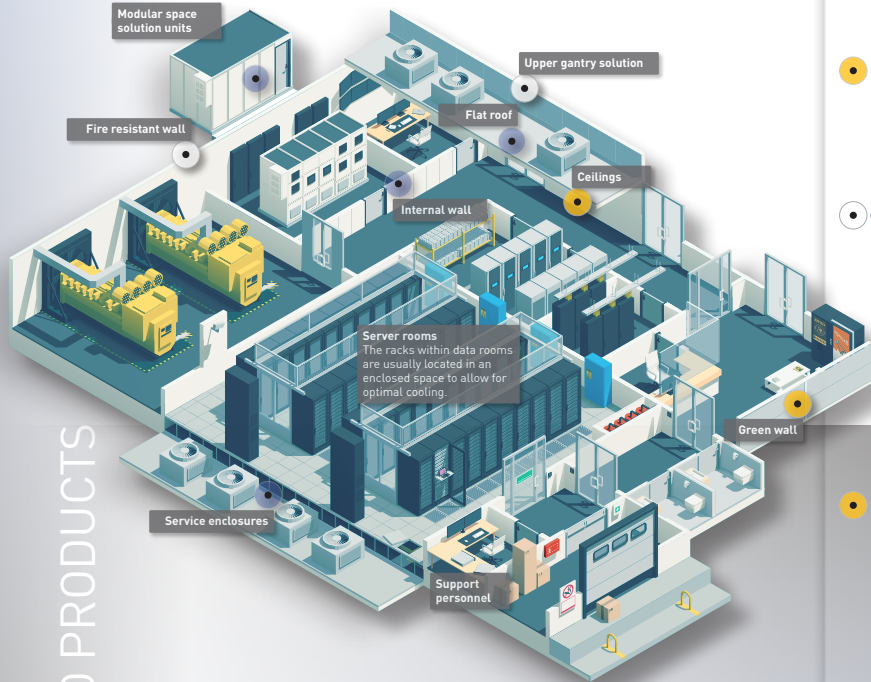
To meet increasing demands for speed and scalability, data centre developers are turning to modular building concepts. Trimo's envelope systems support this shift with prefabricated, all-in-one solutions that ensure quality and predictable on-site assembly. This enables efficient, safe, uninterrupted data centre operations. This approach also helps reduce construction schedules and improve build quality.

KEY BENEFITS OF TRIMO PANELS

- Proven fire performance,
- Multiple design variations,
- Safe integration of VE/MEP openings,
- All-in-one envelope solution,
- Faster on-site installation,
- Reduced air leakage & internal environmental control,
- Lower material waste,
- Lower operational costs over the building lifecycle,
- Aesthetic control

TRIMO SOLUTIONS

- External façade and roof systems
- Internal wall and ceiling systems,
- Rooftop HVAC and service enclosures,
- Safe corridor walls and fire-resistant escape routes,
- Additional customised façade



TRIMO PRODUCTS

• Timoterm FTV panel



• Timoterm FTV HL panel



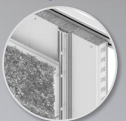
• Qbiss One facade system



• Timoterm roof panel



• Trimo green wall



• Trimo backing wall



Data centre product selection

Reliability starts with fire safety, airtightness, and fast delivery

Product	FUNCTION				
	Acoustic	Backing wall	Fire resistance	ArtMe	Digital print
Qbiss One	□ ₂₎		■	■	□ ₁₎
Qbiss Screen			■	■	□ ₁₎
Trimoterm FTV	□ ₁₎	■	■	■	□ ₁₎
Trimoterm FTV HL	□ ₁₎		■	■	□ ₁₎
Trimoterm SNV	□ ₂₎		■		

■ Approved; □₁₎ Approved, available upon request; □₂₎ Approved for steel sheet side B, available upon request

PANEL FAB ANALYSIS

Features	Advantages	Benefits
Fire performance ₁	Tested fire-resistant system	Uptime, fire risk control
Moisture resistant ₁	No condensation	Stable environment for equipment
Extreme thermal values ₁	High insulation performance	Lower HVAC costs
Mineral wool insulation core ₁	Non-combustible, high insulation	Compliance, lower risk
Factory-controlled production ₂	Consistent, ready-to-install quality	Reduced defects and risk
Flexible warranties ₂	Durable, long-lasting system	Lower maintenance costs
CAD & BIM libraries, tools ₃	Up-to-date digital support	Fewer errors, better planning
Lightweight ₃	Easy handling, fast installation	Faster construction, lower cost

₁ Uptime, safety, performance; ₂ Cost and risk control; ₃ Project efficiency



FACADE SYSTEM / QBISS ONE

Fire-safe, airtight, visually appealing façade solution.

SOLUTION

Fire resistance up to EI 120

Up to 6,5 m span between columns



INTERNAL WALL SYSTEM / TRIMOTERM FTV

Clean, fire-safe wall solution with acoustic performance.

SOLUTION

Fire resistance up to EI 240

Food-safe coating options



CEILING SYSTEM / QBISS ONE, TRIMOTERM FTV HL

Fire-safe modular ceiling solution with acoustic performance.

SOLUTION

Sound absorption coefficient up to 0.9

1.000 mm module



ROOF SYSTEM / TRIMOTERM SNV

Load-bearing roof panel with integrated thermal insulation.

SOLUTION

Thermal insulation integrated in the product

Panel lengths up to 12,0 m

TECHNICAL EXCELLENCE

Service

Worldwide know-how and experience in engineering, production, and services

RANGE OF SERVICES & SUPPORT

- BIM libraries (ARCHICAD, Revit)
- Architectural & design details
- 3D model rendering, BIM models, Animation, VR
- Technical consulting
- Energy calculations
- Static calculations
- Customised solution development and prototype testing
- Education and training
- On-site installation training, demonstration, and support

Downloads

BROCHURES

- Façade systems
- Roof systems
- General



DESIGN TOOLS

- CAD details
- BIM product libraries



TECHNICAL DOCUMENTS

- Façade systems
- Roof systems
- Handbooks



EFFICIENT DESIGN

Business incubator Biograd na Moru, Croatia



Company presentation

Trimo is a high-quality global supplier of innovative, flexible, functional, energy-efficient architectural building envelope solutions.

Its operations focus on customers by understanding their needs and serving them with the highest level of service and the highest quality products. Trimo's work is underlined with the company's core values of partnership, reliability, responsibility, trust, innovation, and passion.

TRIMO D.O.O.

PRIJATELJEVA CESTA 12
8210 TREBNJE, SLOVENIA

T: +386 (0)7 34 60 200

F: +386 (0)7 34 60 127

TRIMO@TRIMO-GROUP.COM

WWW.TRIMO-GROUP.COM

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COMPANY PROFILE

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