



DATA CEN-
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TIONS



SAINT-GOBAIN

DATA CENTER SOLUTIONS BY SAINT-GOBAIN

At Saint-Gobain, we understand that data centers require uncompromising safety, reliability, energy efficiency and precise environmental control. We offer fully integrated building solutions – including low-carbon concrete solutions, envelope solutions, interior fit-out solutions and complementary product offering of insulation, HVAC, fireresistant systems and many more to help you meet your operational and environmental demands with confidence.

By combining our expertise across multiple systems including structures, facades, walls, ceilings, and glazing, we help you achieve optimal thermal performance, acoustic comfort and regulatory compliance all while delivering on your sustainability goals.

Supported by our global manufacturing and distribution network and deep technical expertise, Saint-Gobain can support your data center projects from planning to execution. Whether you are expanding capacity or building new facilities, we can deliver sustainable, high-performance solutions that keep your operations running safely and efficiently.

As data demands grow, so does the opportunity to build smarter, more resilient infrastructure. At Saint-Gobain, we are fully committed to helping you meet the future of data center construction - reliably and successfully.

Our Brands

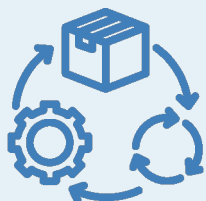


ENABLING GREEN DATA INFRASTRUCTURE

The data center industry is under pressure to use less energy, cool more efficiently, lower both operational and embodied carbon, and build with materials that last—even as digital demand grows. Saint-Gobain helps meet these challenges with low-carbon materials, energy-efficient designs, and circular solutions.

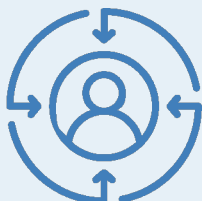
Through advanced manufacturing and lifecycle assessments, we deliver durable, highperformance, and recyclable products that enhance thermal management, fire safety, and overall resilience—supporting greener, net-zero-ready data centers worldwide.

With our local-for-local approach, we source and manufacture close to where projects are built, reducing carbon footprint, strengthening local economies, and ensuring faster, reliable delivery. Our goal is to be the trusted partner for data center stakeholders, helping bring sustainable, efficient projects from design to jobsite execution.



LCAs/EPDs for all products

All Saint-Gobain products and systems are backed by over 3,000 Life Cycle Assessments (LCAs), with all published results, such as Environmental Product Declarations (EPDs), verified by independent third parties.



Customer Centric Innovation Priorities

- Solutions and processes for a zero-carbon future
- Lightweight construction systems for performance and well being
- Solutions with high recycled content to reduce use of non-renewable resources
- Materials and solutions to develop new markets



Net Zero Carbon Targets

Roadmap and targets aligned with a 1.5oC scenario.

- 1st Zero Carbon pilot production of glass (2022) and with > 30% hydrogen (2023)
- 1st Zero Carbon production sites for plasterboard (2023 & 2024)
- Lowest carbon glasswool insulation plant in the world (2025)

2030

Saint-Gobain is acting on Scope 1, 2, and 3 direct and indirect emissions in close collaboration with our upstream and downstream supply chain and is on track to achieve our 2030 targets in compliance with SBTi*. In addition to our 2050 ambitions, we are also focusing on 2035 targets to better align our medium-term objectives.

* Science Based Targets Initiative

SOLUTIONS OVERVIEW

Your projects deserve solutions that can be seamlessly integrated from the earliest stages of your projects, ensuring efficient data center construction for everyone involved.

Working hand-in-hand with hyperscale and co-location developers, operators, design teams, and contractors, we help turn your vision into reality smoothly and efficiently.

From design calculations and renderings to technical guidance and on-site support, our global network of experts is with you at every step.

To co-create innovative, tailored solutions for large-scale developments, we mobilize our world-class development teams and draw on a network of eight R&D Excellence Centers worldwide.

By integrating Saint-Gobain's solutions into your data center projects, our customers can:



Deliver projects quicker by leveraging our modular, high-quality construction systems for speed and repeatability.



Lower the embodied and operational carbon of the building envelope and services.



Improve thermal stability and fire resilience of critical infrastructure spaces.



Achieve LEED and BREEAM global building standards through our extensive verified product documentation (e.g., EPDs)



Achieve sustainability goals with our recycling services for C&D waste and end of life.

- 
-  Façades
 -  Flat Roofing
 -  Compartmentation Walls
 -  Ceilings
 -  Concrete Works
 -  Foundations
 -  Flooring
 -  Pipes & Pipe Insulation
 -  Smoke Extraction & Ventilation
 -  Fire-proofing solutions

Every area matters in data center, from the heart of your operations to the spaces that keep them running.

Servers & Data Banks

We provide complete construction and infrastructure solutions tailored for the unique demands of data centers.

Our expertise and product portfolio encompass every critical element of the building fabric, from low carbon concrete works, precise foundations, and durable flooring to flat roofing, and specialized ceilings.

We offer critical safety systems, including fire-proofing, smoke extraction, and ventilation systems to help create secure and efficient environments for your servers and data banks.

Administration Buildings

We deliver high-performance fit-out solutions for data center administration buildings, supporting daily operations with precision and reliability.

Solutions include architectural facades, high-spec ceilings, durable flooring, and fire-safe walling systems that ensure both functionality and aesthetic quality. We also provide energy-efficient ductwork solutions to enhance comfort and sustainability. Focused on compliance and long-term performance, we create efficient, dependable workspaces across your data center campus.

SOLUTION SNAPSHOT



Façades



Sandwich Panels

Metal sandwich façade panels from Ruukki, with an Isover glass wool insulation core, offer a wide range of architectural designs, high thermal and acoustic performance, strong fire resistance and rapid installation.

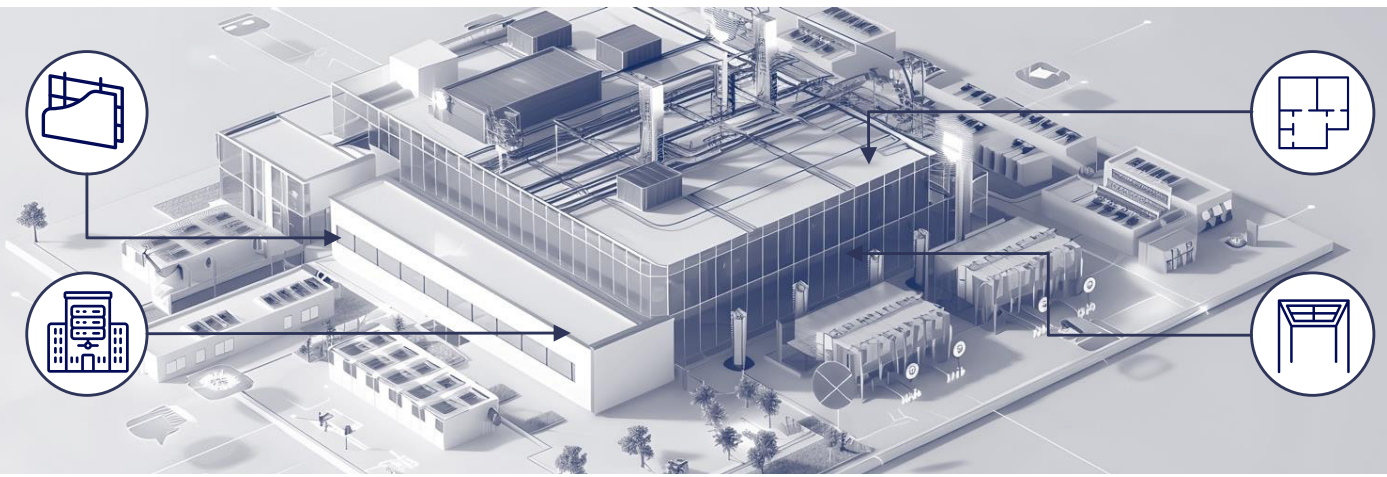


Compartmentation Walls



Drywall

Gyproc drywall solutions provide high-performance, fire-rated, acoustic and moisture-resistant partitions that ensure safety, durability and operational efficiency in data center environments.



Roofing



Low-Carbon Flat Roof Insulation

Isover flat roof insulation delivers low-carbon solutions with excellent thermal efficiency, fire protection, and mechanical resistance for data center roofs.



Prefabricated Timber Frame Roofing Elements

Isover insulation for prefabricated roof element systems enables fast, reliable and cost-effective roof construction.



Ceilings



Acoustic Ceiling

Ecophon ceiling tiles provide cleanroom-rated, low-emission acoustic ceilings with excellent light reflectance and ease of maintenance - ideal for data center environments.



Suspended Ceiling Systems

Gyproc suspended ceiling systems are suitable for internal areas requiring specific fire, thermal, structural and acoustic performance.



Pipes & Pipe Insulation



Foam insulations

Kaimann Kaiflex HFplus: Flexible, closed-cell rubber insulation with built-in vapor barrier, halogen-free, designed for data center pipework to prevent corrosion and energy loss.



Below Ground Pipes

PAM provides durable, corrosion-resistant ductile iron piping systems ensuring reliability, safety, and efficiency for critical data center infrastructure and cooling networks.

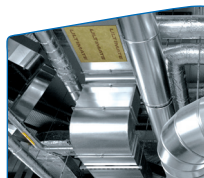


Fire-proofing Solutions



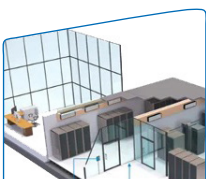
Structural Fire Protection

Glasroc® F FireCase is a frameless structural steel encasement system providing up to 120 minutes of fire protection for a wide range of beams, columns and joints.



HVAC fire safety

ISOVER offers HVAC solutions with ULTIMATE mineral wool that provides fire resistance to metal ductwork and pipes and penetrations while meeting thermal and acoustic requirements.



Fire-Rated Glazing

Vetrotech fire-rated glazing delivers critical compartmentalization of fire, smoke, and heat in data center zones, enabling visibility and safeguarding uptime.



Smoke Extraction & Ventilation



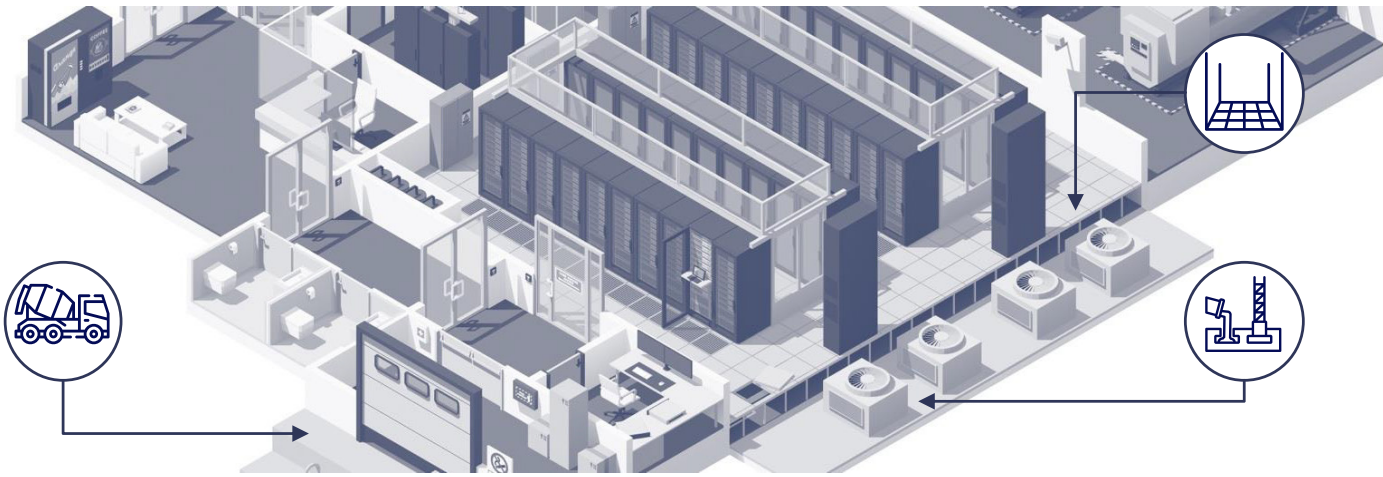
Smoke Extraction and Ventilation Ducts

Isover CLIMAVER® duct system offers lightweight, airtight, pre-insulated ventilation ducts with excellent thermal, acoustic and fire performance for efficient building services integration. U Protect Fire rated duct solutions ensure fire safety of ventilation and smoke extraction ducts for up to 2 hours.



Fire Resistant Sealant and Mortars

Saint-Gobain sealants and Isover Protect Fire Stopping and Sealing solutions protect data centers by sealing cable and pipe penetrations, preventing fire spread, ensuring safety, and regulatory compliance.



Concrete Works



Mortar for Concrete Element Joints

Weber ESL is a non-sagging mortar specifically designed for vertical and horizontal joints of concrete elements.



Non-Shrink Grout

Weber JB 600/3 P is a salt- and frost-resistant, non-shrink grout classified as R4 and designed for demanding casting and grouting applications in winter conditions.



Foundations



Lightweight Expanded Clay Aggregate

When constructing over weak underground voids or soils with low bearing capacity, load compensation can be achieved using Leca® Lightweight Expanded Clay Aggregate, reducing structural loads while ensuring stability.



Barrier Solutions

GCP PREPRUFE® membranes offer pre-applied, fully bonded waterproofing that prevents water/gas ingress and migration — ideal for data-center sub-structures' integrity.



Flooring



Industry Floor Solutions

Weber 4655 Industry Flow Rapis is a pumpable, fast-setting cementitious levelling screed designed for industrial floors, enabling rapid installation and early floor covering.



Design Floor Solutions

Weber Design-Floor is a modern flooring system for architects, designers and planners, seeking durable and aesthetic floor solutions based on cement-based coatings.

DRIVING DATA CENTER INNOVATION

Saint-Gobain's R&D centers are at the forefront of developing sustainable, highperformance materials for the rapidly growing global data center industry. Their innovations focus on reducing energy consumption, lowering carbon emissions, and improving operational efficiency across a data center's lifecycle.

Key solutions include advanced insulation for optimized cooling and ventilation, high-performance glazing and wall systems for environmental control, durable and recyclable ductile iron piping, and fire-resistant sealants, mortars, and drywall systems.

By leveraging digital modeling, life-cycle assessments, and circular economy principles, Saint-Gobain designs materials with reduced embodied carbon and improved recyclability, aligning with net-zero and global sustainability standards. Collaboration with developers, engineers, and architects ensures customized solutions that balance performance, safety, and sustainability, supporting more efficient, resilient, and lowcarbon data centers.



Strong transversal R&D centers with a global footprint combined with local R&D teams close to business/country

3600 Researchers worldwide

- | | |
|----------|-----------|
| 1 USA | 4 Brazil |
| 2 France | 5 Germany |
| 3 China | 6 India |

Processes and solutions for a zero-carbon transition

- Electrification & H2
- Net-zero low carbon production
- Low CO₂ cement & concrete

Materials and solutions to develop new markets

- Battery solutions
- Hydrogen platform
- Integrated solar solutions



Lightweight construction systems for performance and well-being

- Resilient products
- Façade systems
- Offsite solutions

Solutions to minimize the use of planetary resources

- Increased cullet recycling
- High-recycled content
- PVC recycling



SAINT-GOBAIN FINLAND

Strömberginkuja 2 (PL 70)
00380 Helsinki

saint-gobain.fi