![ewl STOLLEN LUCERNE DATA CENTER logo]

CO2 NEUTRAL OPERATION

Stollen Lucerne Data Center
highly secure. sustainable. personal.

ewl energie wasser luzern operates the Stollen Lucerne Data Center, a high-security data center in the middle of the city of Lucerne. The data center in the heart of Switzerland is located in an underground bunker complex, shielded from the outside world and offers 1,640 square meters of IT floor space and room for up to 600 racks.

Underground high security bunker
for maximum safety

CO₂-neutral operation
in one of the most sustainable data centers in Switzerland

Personal consulting
on site fulfilling each of your customer needs

Unique data center in former bunker

The bunker consists of five main tunnels, each with 200 square meters of usable IT space and eight side tunnels (private rooms, each with 50 – 100 square meters of usable IT space). The Stollen Lucerne Data Center is powered by a fully redundant architecture. Ecological electricity, cooling with energy from the lake, the use of waste heat to heat surrounding buildings, a self-operated and carrier-neutral fiber optic network and ISO 27001 certification are the distinguishing features of this self-financed data center.

Its well-connected location and the versatility and scalability of its solutions further enhance the facility's services. The underground bunker architecture, maximum physical protection, data security, quality and sustainability, truly set this unique data center apart.

ewl – an experienced and reliable partner

As a modern energy services company, ewl provides another future-oriented piece of infrastructure in the form of the Stollen Lucerne Data Center.

As a public limited company under private law, ewl is wholly owned by the city of Lucerne. ewl plans, builds, operates and maintains the basic supply of electricity, heat, drinking water and Internet for the city of Lucerne. In this way, ewl lays a solid foundation for the operation of the Stollen Lucerne Data Center.

Your benefits

The Stollen Lucerne Data Center combines state-of-the-art technology with sustainability, while always catering to the individual needs of our customers. With its unique underground location and ewl as its operator, the data center is positioning itself as a long-term investment in the Swiss data center landscape.

Highly secure

Maximum physical security in a former bunker

- High physical protection thanks to the bunker complex
- Redundant supply of servers via two substations
- Biometric access control down to rack level and continuous video surveillance
- Continuous monitoring of temperature and humidity
- Maximum fire protection through smoke extraction system (RAS), extinguishing systems with prevention and intervention mode
- TÜViT "level 3 extended" certification in the pipeline

Secure operation thanks to resilient systems

- 24x7 infrastructure operation and fastest intervention times due to the existing on-call team
- Redundant design of all vital systems to guarantee uninterrupted power supply
- Resilient access to systems thanks to a disaster-tolerant network connection with UPS
- ISO 27001 certification Information Security Management System

Financial security with ewl as an investor

- Self-financing of the data center by ewl as an experienced investor

Sustainable

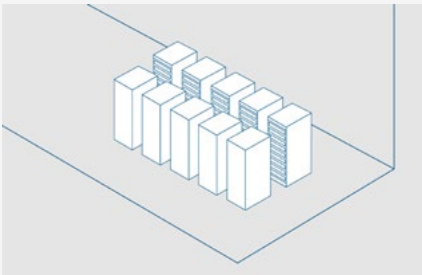### Energy efficiency through the most modern technologies

- Very high energy efficiency through the use of state-of-the-art DCIM technologies
- Efficient Flywheel UPS systems guarantee the highest availability in power supply

CO_2-neutral electricity thanks to renewable energies

- 100 % green electricity from natural resources

Ecological cooling with water from Lake Lucerne

- Supply of cooling power without additional energy consumption by using energy from the lake

Waste heat utilization

- Waste heat utilization through ewl's own energy network for heating surrounding buildings

Reduction of embodied energy thanks to repurposing

- Sensible use of existing construction volume thanks to repurposing a former civil defense facility

Member of the Climate Neutral Data Centre Pact

- As a member of the "Climate Neutral Data Centre Pact", we are contributing to the 100 % CO_2-neutral operation of European data centers by 2030

Personal

Personal and competent consulting

- Well-trained consultants with expertise in data security

Flexible rack offers

- Modular space management thanks to the unique architecture in the tunnels, which can be perfectly adapted to your individual needs
- Flexible scalability in terms of rack space, capacity, and privacy offers the right solution for all needs

Firmly rooted in the region

- Many years of experience in the basic supply of the city of Lucerne by the operator ewl

Independence through carrier-neutral offering

- Guaranteed independence thanks to ewl's own carrier-neutral dark fiber offering
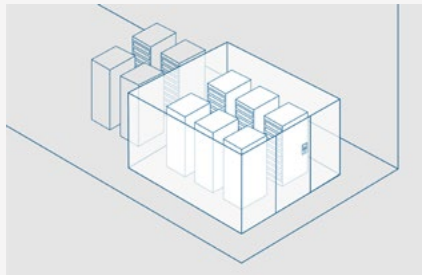
Our offer

We offer various fit-out and capacity levels at the Stollen Lucerne Data Center and give you a say in how the rooms are laid out. Customized, modular space management provides an ideal basis for integrating your existing hardware into the data center design.

Colocation Racks

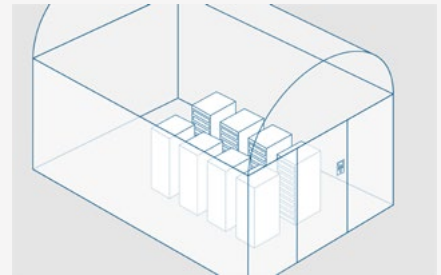For SMEs and companies that want rack units with maximum protection and optimum security for their sensitive data.

- ⅓ (13U), ⅔ (28U) und ⅟₁ (42U) Rack
- Supply power output 1– 22 kW
- Tunnels up to 76 racks
- High level of cooling availability
- Rack access via iris scan
- Redundant in-house cabling

Private Cage

Private Cage (enclosure with security grill) for high privacy requirements from eight racks upwards.

- ⅓ (13U), ⅔ (28U) und ⅟₁ (42U) Rack
- Supply power output 1– 22 kW
- Tunnels up to 76 racks
- High level of cooling availability
- Cage access via iris scan
- Redundant in-house cabling

Private Suite

For the highest security needs with your private room and state-of-the-art access solution.

- A separate room can be useful for 16 racks or more
- Consultation about room and space layout
- High level of cooling availability
- Special solutions by request

The following specifications apply to all levels

- 2N electrical and N+1 cooling supply
- Separation between hot and cold aisles
- 3 separate busbar systems
- Metered PDUs (optional)
- Several separate duct systems (fiber, copper, and general cabling)
- 24x7 monitoring center and SLAs

Individual solutions for customer-specific needs — this is what we can offer in a unique, underground data center in the heart of Switzerland.

Marco Reinhard
Managing Director ewl Data Center

STOLLEN LUCERNE DATA CENTER

We are illuminating the data center of the future. With the highest level of protection, CO_2-neutral operation, and personal on-site consulting, the Stollen Lucerne Data Center offers unparalleled and individual solutions.

Leverage the significant benefits provided by the strategic locations of both ewl and Switzerland to maximize their advantages. These also include an outstanding infrastructure, highly skilled professionals, and Swiss data protection legislation. You too can become part of the Stollen Lucerne Data Center.

More info at rz-stollen.ch

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