

GLAND, SWITZERLAND



THE GLAND DATA CENTRE

Safe Host 2 (SH2) is Switzerland's largest state-of-the-art, carrier-neutral data centre colocation facility. Located in the heart of Europe, the site complements Safe Host's Geneva facility that has been providing data hosting services to major multinationals since 2002.

SH2 has a colocation capacity of 14,400 sqm with 40 MVA dual power

feeds to site. This capacity meets the growing demand for companies to host their systems in Switzerland where they benefit from the country's abundant hydro-power and its strong legal framework supporting data protection.

All major telecom operators are present at the site providing low latency as well as local and international access.

SH2 will be on-line in 2016.



Chemin des Avouillons, 32, 34, 36

CH - 1196 Gland, VD

TECHNICAL DATA

- **IT Surface:** 14,400 sqm
- **Strength:** N+1 minimum with no single point of failure
- **Availability:** 99.999 % per year
- **Tier Level:** Tier III
- **Fibre:** 4 fibre points

COOLING

- **Cooling Unit:** N+1
- **Cooling Technology:** Cooling equipment with compressors, free-cooling + aero adiabatic / back-up through double cooling circuit integrated in CRAC units
- **Cooling Unit Design:** CRAC units N+1, pressure under raised floor, with cold/hot aisle containment

SECURITY

Site security via perimeter security fencing, mounted CCTV cameras and biometric access control system.

GREEN ENERGY

Switzerland's renewable and sustainable energy is 95 % of country production.

Office heating and electrical plant 'frost guard' provision is secured via the local municipality's district heating system.

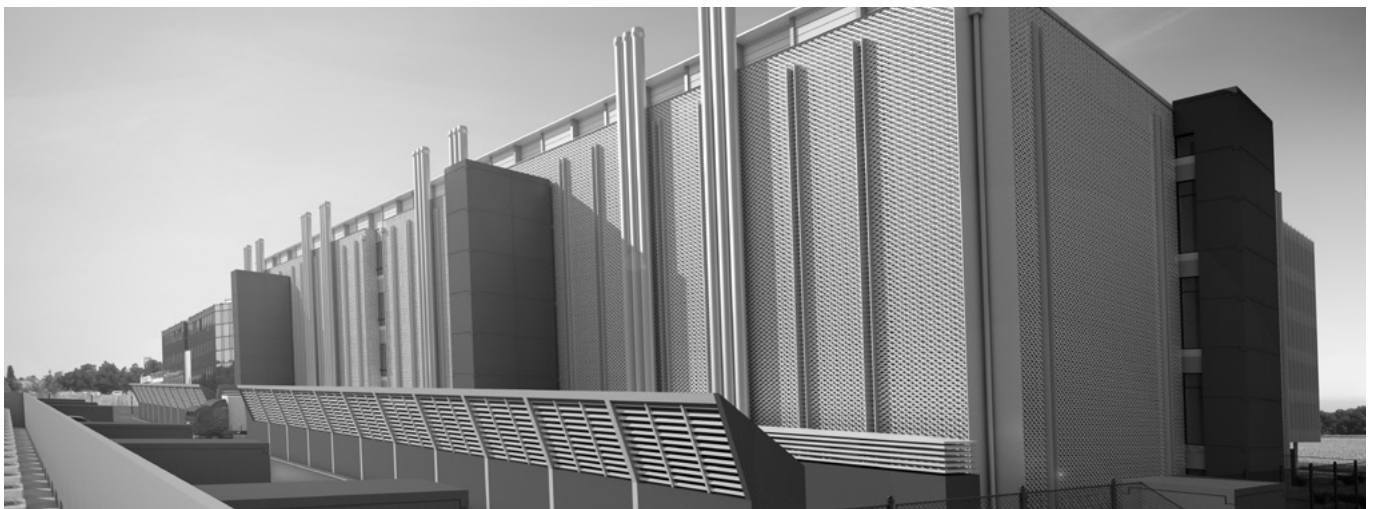
Data centre cooling uses captured rainwater to provide evaporative cooling during the region's highest summer temperatures.

POWER

- **Power Input:** Dual feed 40 MVA to site
- **Power Density:** Up to 4 kVA / rack
1.5 KW / sqm
- **Generators:** 24 generators of 2,800 MW
- **Generators Design:** N+1 fully automatic
- **Fuel Tanks:** N+1 circuits, pumps, tanks (daily, main) 72 h autonomy
- **UPS:** 2(N+1) 152 x 500 kVA
- **UPS Battery Minimum Autonomy:** 10 minutes full load
- **Electrical Boards:** TGBT, partitioned 4B, IP30, Icc3 65 kA
- **Power Consumption Counting:** Global official distribution with power management
- **Transformers:** 24 x 3,150 kVA, SEC
- **Busway:** Primary and secondary distribution

CAPACITY MANAGEMENT AND SUPPORT

The service includes live power monitoring system, complete building management system as well as a 24/7 available ticket interface.



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