



Data is the most valuable asset

The roles of a data center in digital transformation

HPC Forum, 23rd of May 2024

Facts & Figures

Foundation
1995

Independent
provider
with Swiss
Management

Preferred
partner of
leading
Hyperscalers



450+
customer projects
completed



Innovation &
Growth program
500+
million CHF

No 1
Leading Swiss
Data Center
provider

Strong and
established
partner network

Expertise in
solution design
with local
engineers

[Image video](#)

In a gold rush?

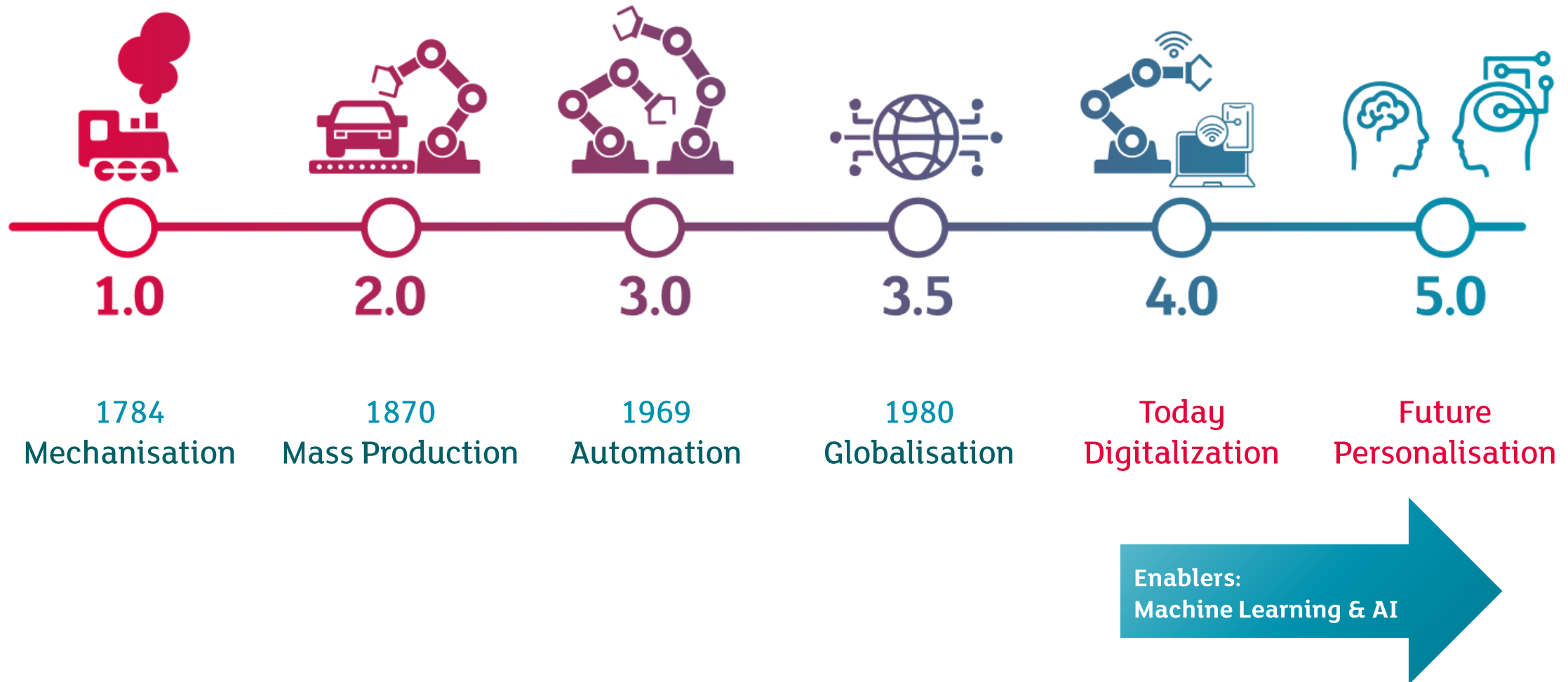
284.000.000.000.000.000.000.000 Bytes

The global data volume is growing inexorably



Source: IDC Global DataSphere
& Statista.de
2013 - 2026+

What are the drivers of the boom?



Never in history has so much money been invested
in a technology in such a short period of time.



40 Billion USD

+ 265% Turnover

capacity doubled



Half of the corporate data centers no longer meet future requirements.

Data centers play a decisive role in a successful transformation.

What must modern data centers deliver to meet the demands of tomorrow?

capacity (power/cooling)

efficiency (PUE)

high availability

speed & agility

sustainability

What is your biggest challenge to keep your data center future-proof?



Capacity
(power/
cooling)

Availability

Speed &
Agility

Efficiency

Sustainability

Results



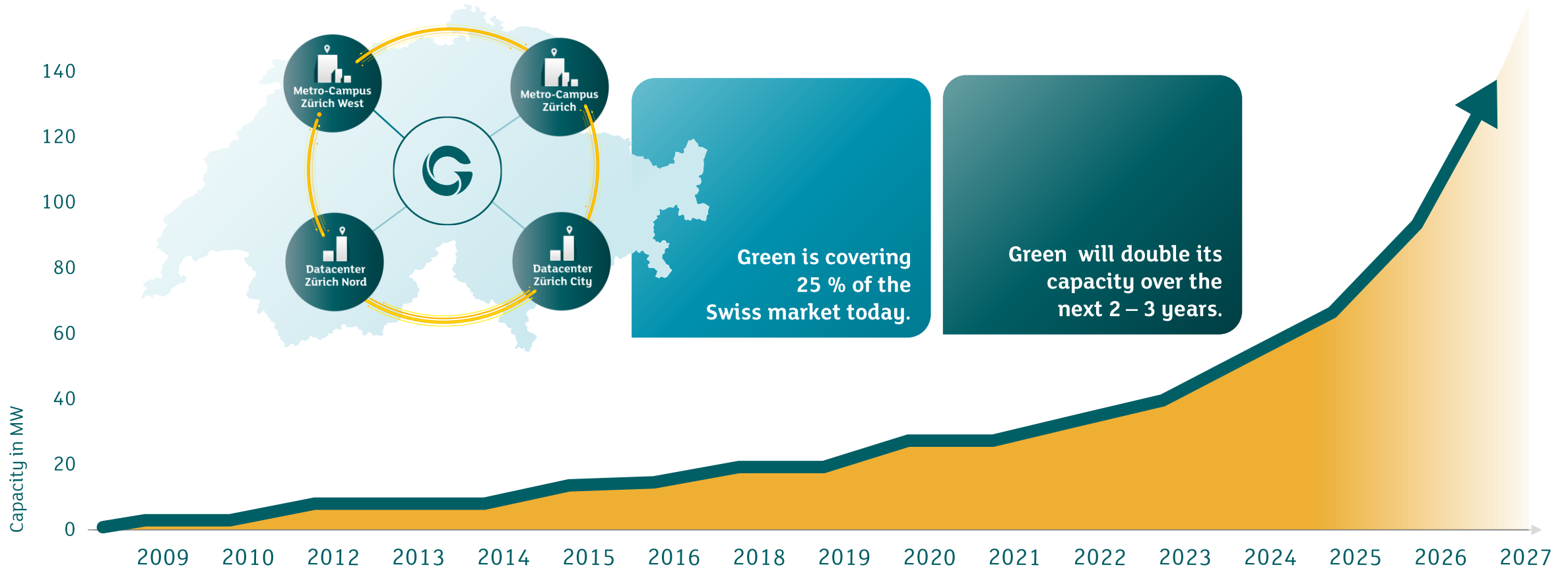


How do we evolve our data center portfolio?



No 1
Data Center
Provider
in Switzerland

Create the secure space for our customers' data



Ready for High Density

Cold Aisle Containment (air)

- Up to 25 kW per rack
- Best price performance

Water Cooling (water)

- Up to 80 kW per rack
- Pretty expensive

Immersion Cooling (liquid)

- Up to 200 kW per rack
- Different rack design



future-proof and
demand-oriented

Security around the clock

Physical Protection

- Structural protection measures
- 7 security zones
- Multi-level security systems

Protection against incidents

- Secure locations
- Early detection and alarm concepts
- Redundant fire extinguishing systems
- Emergency concepts

Network Security

- Eryption
- DDOS protection

A teal rounded rectangular box containing the text 'Business Continuity Management ISO 22301' in white, sans-serif font. The background of the slide features a blurred office scene with a person at a desk and a hand using a fingerprint scanner.

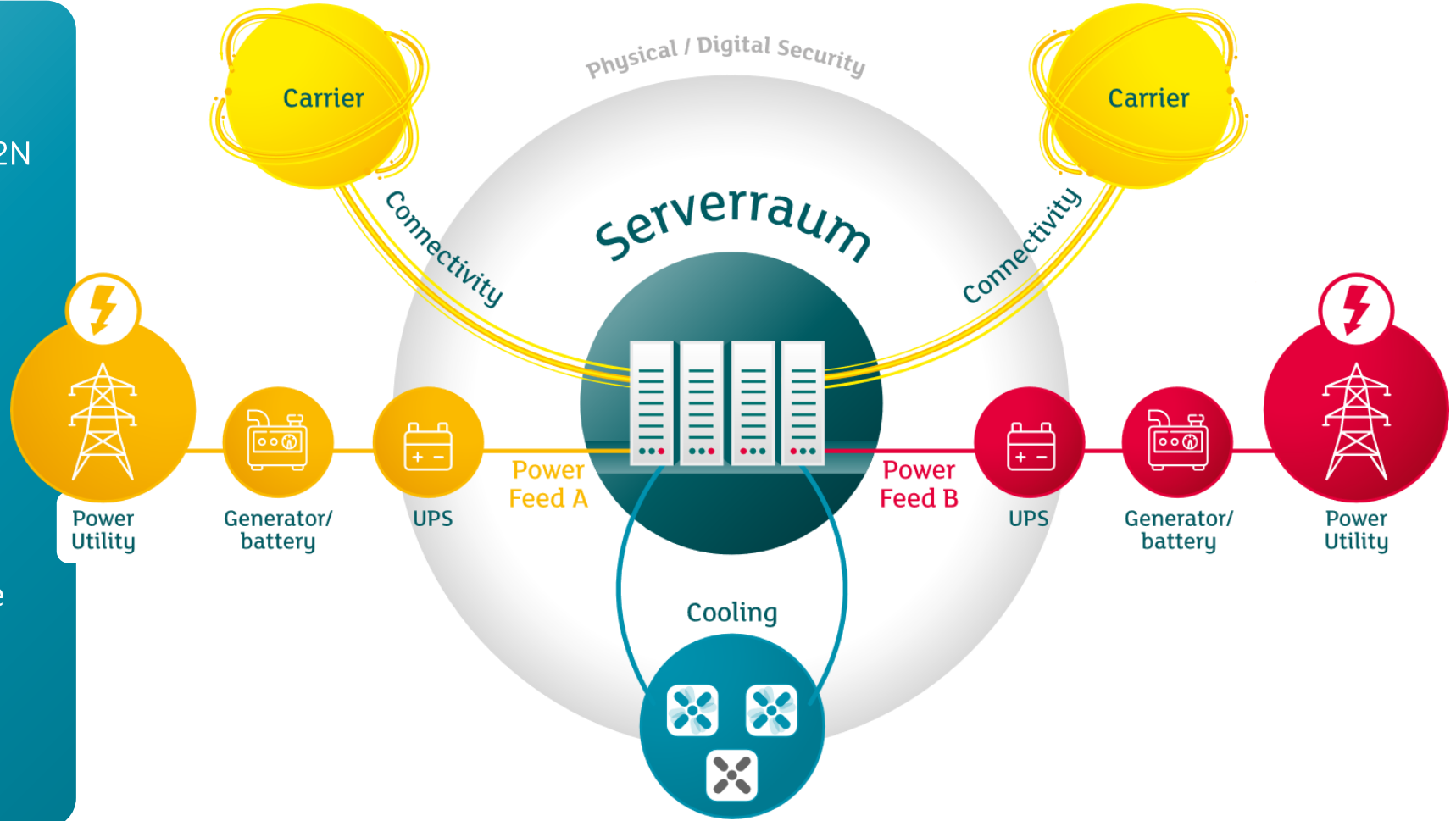
Business Continuity
Management
ISO 22301

A teal rounded rectangular box containing the text '24/7 organization' in white, sans-serif font. The background of the slide features a blurred office scene with a person at a desk and a hand using a fingerprint scanner.

24/7
organization

High availability

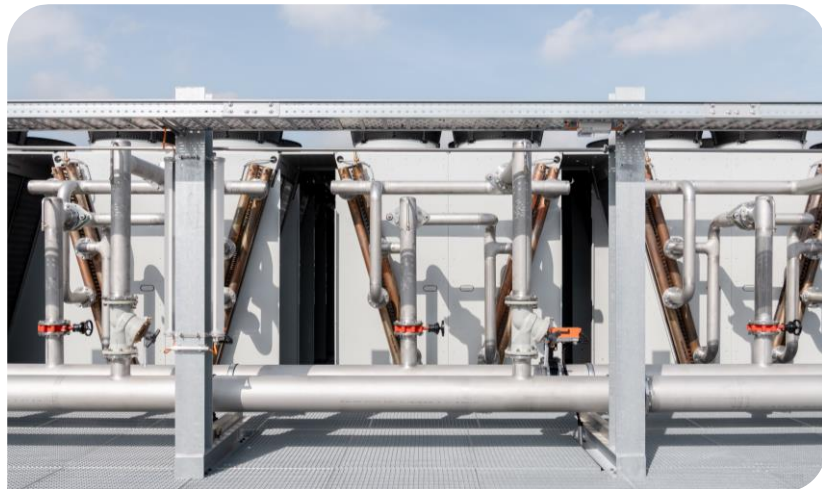
- 99.99% reliability
- Highest availability with power supply from N+1 till 2N configuration
- Energy supply from 2 - 3 different substations
- A and B power feed protected with UPS and Genset
- Redundant systems for cooling
- 4 feeds of fiber optics to the data center
- Crossing-free routing



High availability

Redundant systems

- Energy supply from 2 - 3 different substations
- A and B power feed protected with UPS and Genset
- Redundant systems for cooling
- 4 feeds of fiber optics to the data center
- Crossing-free routing



Redundant
supply from
2 - 3 substations

Fully inter-connected

Connected with

- SwissIX (Core Site)
- Internet (also with SCION)
- Public Clouds
- To 700 data centers worldwide
- Redundant Backbone for DCI



Direct connections to all
major clouds

SwissIX



Energy efficiency is our core guiding principle

- Heating Network-enabled data centers
- 100 % renewable energy in operations
- Architecture, room design and facilities are precisely matched
- Use of new technologies to optimise PUE values
- Use of own solar systems
- Collaboration with the SFOE, ETH and EPFL

Sophisticated
design

Renewable
Energy

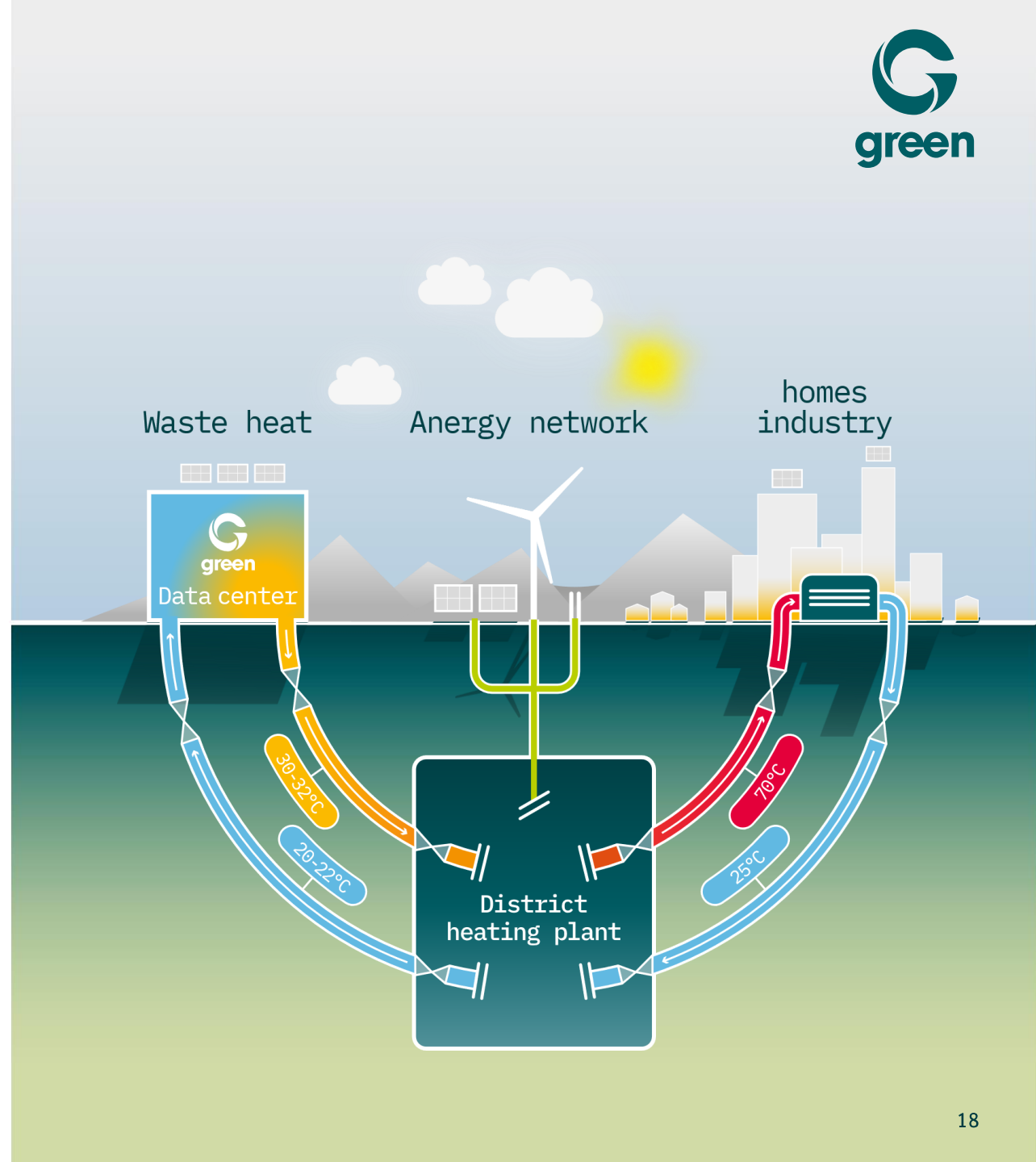
Continuous
improvement



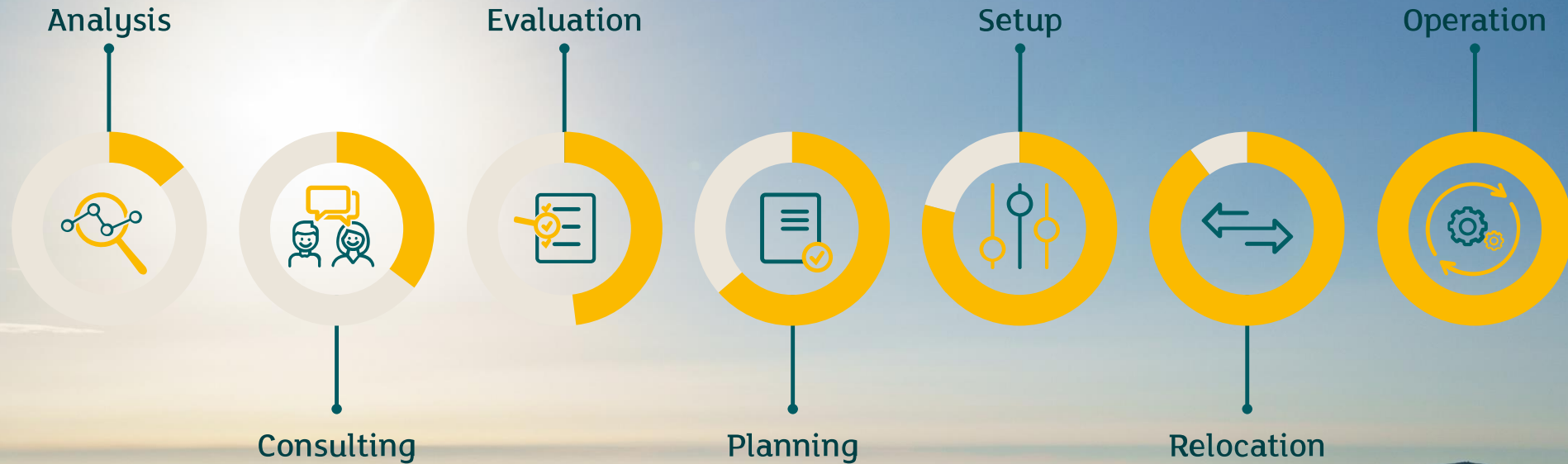
Energy efficiency is our core guiding principle

- Heating Network-enabled data centers
- 100 % renewable energy in operations
- Architecture, room design and facilities are precisely matched
- Use of new technologies to optimise PUE values
- Use of solar systems and renewable energy sources
- Continues improvements

11,500 households to benefit from climate-neutral heating



Collaborating with us means:
We support our customers with expertise, know-how, passion,
and a lot of commitment.



How can we support you?



Marco Stadler
Chief Sales Officer
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All you need is Green