Join us on our path to Net Zero

Our mission

We are enabler of IT decarbonization for our customers and the society, by shaking up the data center sector, by building sustainable, Zero emissions state of the art AI-ready data centers.

AQ
COMPUTE
AI-READY DATA CENTERS

Join us on our path to Net Zero

AI & HPC

AI needs AI-Ready data centers to grow. We are here to support this growth in a sustainable way. Our data centers are AI-Ready, suitable for all compute, storage, and GPU applications.

Colocation

We are creating tailored solutions aligned with our clients' business needs. Delivering advanced, highly reliable design architectures to support flexible power requirements and rack power.

Built-to-suit

We are providing comprehensive large-scale, flexible data center solutions tailored for customers' specifications. Positioned either within a dedicated campus or on a standalone site.

In a nutshell

Why we are here?

We have one planet for all time. A planet growing more connected day by day. We have the responsibilty to take care of it, for us and for future generations. Our higher goal is to protect our planet by taking action with our commitment towards green data centers and decarbonization.

How do we do it?

We are creating a new standard for resilient data centers, with 24/7 Net Zero operations throughout the data center life cycle. A place where clients can reach their carbon reduction policies and fulfill their ESG commitments.

What do we offer?

We are providing flexible and modular data center and colocation services in prime locations throughout Europe powered by renewable energy.

Our background

The mission of Aquila Group is to become one of the world's leading sustainable investment and development companies for essential assets by 2030. The focus on clean energy in the form of wind energy, solar PV, hydro power and battery storage, sustainable infrastructure such as green logistics and data centers, and development of new asset classes like carbon forestry, energy efficiency and growth equity in climate change mitigation, is crucial to the world's transition to Net Zero.

AQUILA
GROUP

Our data centers

The basis
Built as holistic, ecological concept that ensures sustainable, flexible and secure operations tailored to our clients' needs.

The design
Defined around three key aspects: sustainability, modularity, flexibility, and redundancy.

Data center solutions
AI & HPC
Colocation
Built-to-suit

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Upcoming sites

1. Oslo, Norway
2. Barcelona, Spain
3. Châteauroux, France
4. Illescas (Madrid), Spain
5. Milan, Italy
6. Berlin, Germany
7. Mannheim, Germany
8. Munich, Germany
9. Lüganuse, Estonia
10. Nottingham, UK
11. Leuk, Switzerland
12. Most, Czech
13. Lisbon, Portugal

AQ-OSL1

Some of our ongoing projects

Our first facility is almost finished (as for Q1-24), close to Oslo and Norway's largest international airport.
The first phase of this facility will be 6 MW IT power colocation, prepared for liquid cooling, to support high-density racks for AI workloads. The power supply potential is up to 40 MW, which can still be expanded.

Norway, an ideal data center location

Despite its geographical location at the edge of Europe, Norway is increasingly moving to the center of European data traffic by virtue of the expansion of network connections. Access to green power and a cool climate make Norway an ideal location for data centers.

Owing to the availability of renewable energy, low electricity prices and cold climate, Norway is an attractive location for building large data centers. 98% of the electricity is generated from renewable sources. Thus, Norway offers the most competitive electricity prices in Europe.

AQ-OSL1

Key facts:

- Operational in February 2024
- 150 MW potential power supply; first phase 6 MW IT completed
- Next phase up to 20 MW; available end of 2024
- 100% renewable energy supply
- Liquid cooling for high densitiy racks
- PUE <1.2
- Zero water consumption for cooling
- Ca. 80% annually indirectly free cooling
- 1700 m² total available whitespace IT area
- Tier III design principles
- On-site service: 24/7 remote hands and security
- **Clip:** www.youtube.com/watch?v=WK-_K9w4l-k

AQ-BCN1

Some of our ongoing projects

Our second facility will be located in a data center hub in Parc de l'Alba in the metropolitan area of Barcelona. Currently under construction, this data center campus is planned to be under operation in Q2 2025. It will consist of separate IT-buildings able to welcome different tenants.

Spain, a growing data center nation

In recent years, Spain has become a communications hub in southern Europe, offering a highly available, secure and sustainable infrastructure. The Spanish data center market has grown significantly, with increased development of hyperscale data centers and investment from cloud service providers. The increasing internet penetration in Spain is creating lucrative opportunities for data companies to grow and expand their business presence in the country. Our location in Barcelona, due to its nearby cable landing station, is a perfect position to profit from a presence into this new European digital hub.
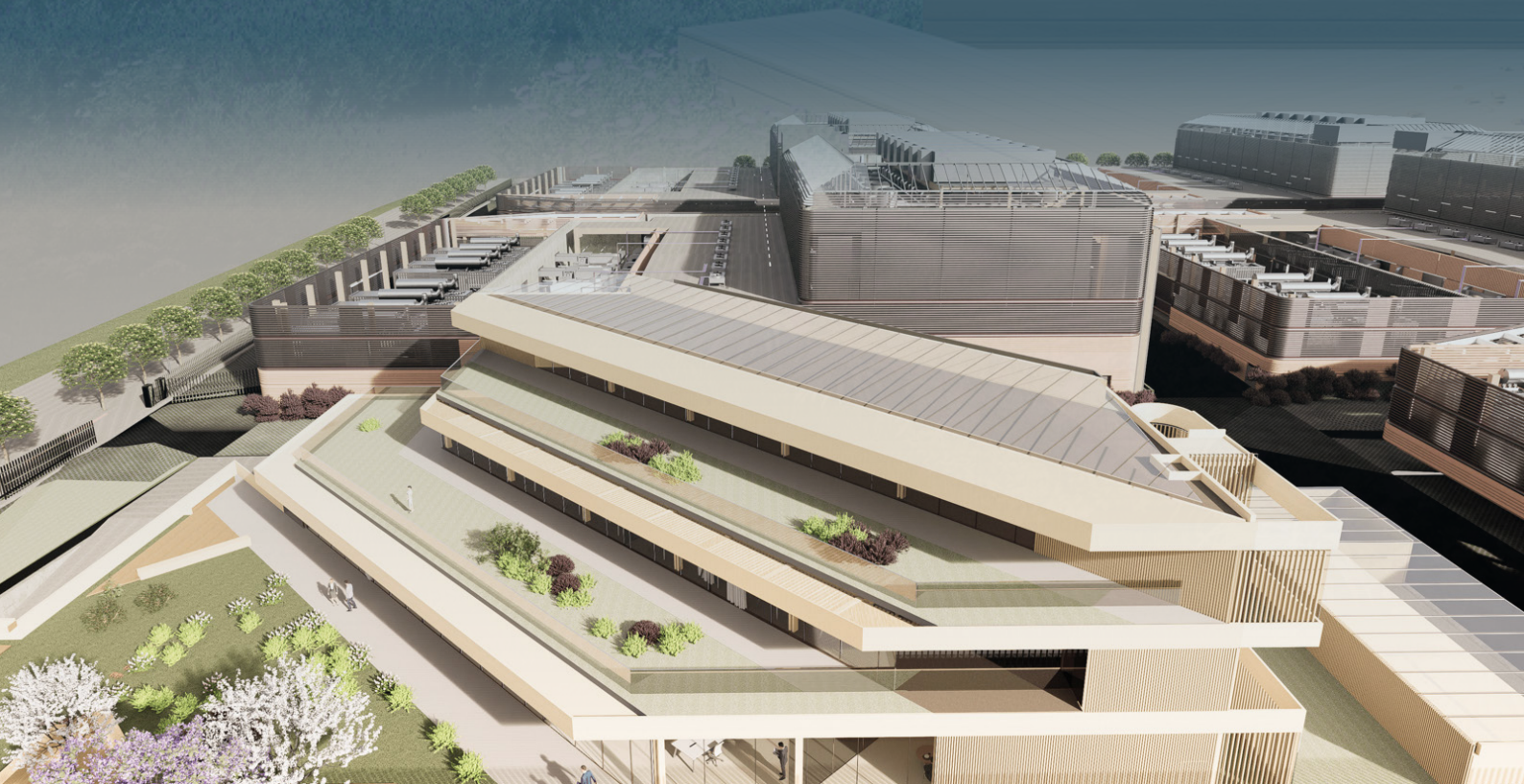
AQ-BCN1

Key facts:

- 100% renewable energy supply
- 60 MW data center facility; first building 9 MW IT
- Liquid cooling for high density racks
- Independent buildings for data privacy
- 43000 m² total plot space available
- Tier III design principles
- 24/7 services available
- **Clip:** ▶ https://www.youtube.com/watch?v=f9q0mn7P44c

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AI-READY DATA CENTERS

AI-Ready data centers

The digital infrastructure industry is one of the fastest changing in the world. Over the past decade, we have witnessed countless technological advancements that have grown exponentially, faster than society could predict.

Artificial Intelligence and the data center industry is positioned at the core of this advancement.

AI needs AI-Ready data centrers to grow, and AQ Compute is here to support this growth. Not bound by legacy data center architecture, AQ Compute is in a position of advantage and able to structure things differently.

Our two pillars of AI-Ready data centers

To become AI-Ready, we incorporate ultra-high-density cooling coupled with heat capture through RDHX and direct liquid cooling, increasing the temperature that the data center is allowed to run at and reducing cooling costs and water consumption. As a result, we are able to run our ultra-high density data centers more efficiently, minimizing your PUE and supporting your sustainability goals, enabling the deployment and growth of AI-Applications.

Integrated closed loop cooling circuit

- Closed loop efficiency
- Heat reuse
- Community-driven heating
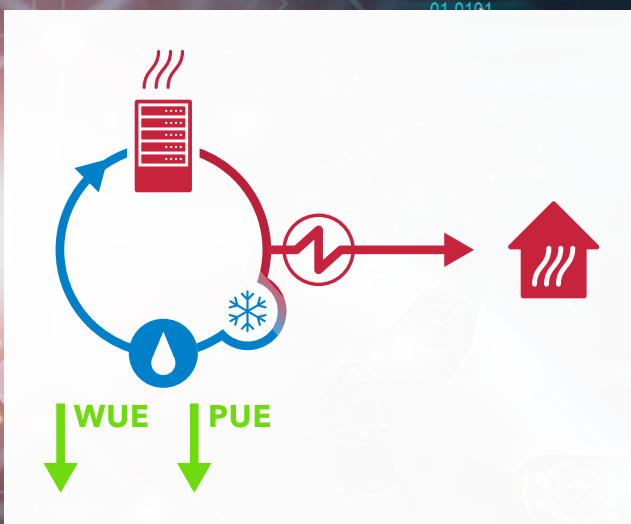
Regulation of the return temperature

- Optimising cooling with precision
- Regulation of temperature, humidity, and the flow of water
- Reducing overall power consumption
- Maintaining a consistent return water temperature

WUE   PUE

€

Sustainability

People and planet are our passion

AQ Compute is an enabler of IT decarbonization for our clients and society, by shaking up the data center sector by building sustainable, zero emissions state of the art data centers, future-ready for the new technology challenges ahead, including AI. At AQ Compute, every job is a green hire. The team itself is comprised of highly knowledgable workers who share the passion of people, planet, and profit. AQ Compute's sustainability leadership masters the skills of tradeoffs to maximize data center performance, lowering operational costs and minimizing environmental impact to acheive a sustainability led standard operating procedure for our data centers.

We strive to make a positive impact on the world.

Join us on our path to Net Zero

Join us on our journey

We are conscious how important it is for our clients to reduce the environmental impact of their activities. We want to support them to achieve their ESG goals by relying on our products and services. We want to exemplify ESG and be enablers of the change.

Our ESG strategy is mainly based on a path to reach Net Zero within the next years to tackle the main challenges that today's world is facing around energy, emissions, water and waste. These is our plan, organized along these key catagories:

- Clean energy
- Low footprint design and operation
- Circular value chain
- Social and nature care
- Transparency and leadership

How we want to do it

- 100% renewable energy supply

- Excess heat reuse

- Energy-efficient designs

- No water consumption for cooling

- Reduction of embodied carbon emissions

- High recycled and recyclability ratios

- Supply construction materials from the same region

- Foster local social and natural ecosystems for each project

- Achieve highest standards and certifications (ISO 14000 family, LEED...)

- Realtime monitoring of KPIs

UN SDG

AQ Compute is aligned with the United Nations Sustainable Development goals.

AQ Compute takes a systematic and holistic approach to achieving resilience and Net Zero operations for data centers and the ICT sector.

Source: THE 17 GOALS | Sustainable Development (un.org)

7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER

CleanHub

We want to take care of people and the planet. The partnerhsip with CleanHub is a commitment towards cleaner oceans and a one concrete step within our journey. We aim to show loyalty to our planet.

CleanHub

Supporter
CleanHub

Memberships

Our partners

Our memberships

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