

THE VISION OF
AQ COMPUTE

DECARBONISED
COLOCATION
DATA CENTRES
IN EUROPE



THE MISSION OF AQ COMPUTE

Our aim is to provide modular and hyperscale conform colocation services across Europe.

We offer regional and global clients a high level of service and design standards everywhere.

Our principles for energy efficiency and sustainability are at the core of the business.

We believe in climate neutral colocation data centres in Europe that are in harmony with the environment.





Brief analysis of FLAP-D markets

- Power and land constraints.
- Further growth of data centre capacity is limited.
- Challenging business environment for new entrants.

Opportunity secondary markets

- Increasing demand for compute capacity in further **metropolitan regions, new data centre hubs are currently developing**, which are yet **undersupplied – secondary markets**.
- Strengthening regional digitisation and improving global connectivity.

AQ Compute positioning

- AQ Compute focuses on the **European continent** with an emphasis on **secondary markets**.
- Growing markets, e.g. Nordics or the Iberian Peninsula offer ideal conditions.
- Selecting locations with excellent access to renewable energy.



Power & Pricing

Flexible capacity offerings with guaranteed scalability

5 to 20 kW/rack¹

Competitive electricity prices

Long-term price certainty through PPAs



Sustainability & Efficiency

100% renewable energy supply

CO₂ offsetting services on demand

Low PUE values between 1.05² and 1.2³

Decarbonised compute capacity



Security & Services

Excellent connectivity and security

Multi-Tier level offering

Unified IT-design across locations

Remote hands & flexible operations with multi-location contracts

¹Dependent on target market by end customers, e.g. higher density for HPC feasible; ²Design PUE based on values of operational direct water cooling DC in Germany; ³Dependent on desired cooling strategy of end customer



Green and customisable HPC colocation capacities powered with 100% renewable energy

Recently established with the mission to build the **most energy and cost-efficient** colocation data centres in Europe

Sub-brand of **Aquila Capital** –privately owned real asset investor with **EUR 13bn** AuM and AuA¹ with a focus on renewable energy and real estate in the Nordics and Iberia headquartered in Hamburg

AQ COMPUTE HIGH PERFORMANCE COMPUTING IN NORWAY

IN A NUTSHELL

¹As at 31.03.2021

HPC COLOCATION DATA CENTRE NEAR OSLO



- **Size:** 10 MW HPC colocation facility.
- **Excellent accessibility:** 60 km outside of Oslo.
- **Customised solutions**, e.g. utilisation of small data halls, large white space areas or an entire facility.
- **Reliability:** Electricity supply from a highly reliable grid (**99.99% stability** over the past 16 years).
- **Power price:** approx. **EUR 0.05 kWh** with the possibility of **full long-term cost security**.
- **Security:** Equipped with the highest security standards, customisable to the individual needs.
- **Project timeline:**
 - **Start of operation: Q2 2022**

DATA CENTRE OF THE FUTURE: LEADING IN COST AND ENERGY-EFFICIENCY



Attractive pricing



Green computing



Hybrid cooling



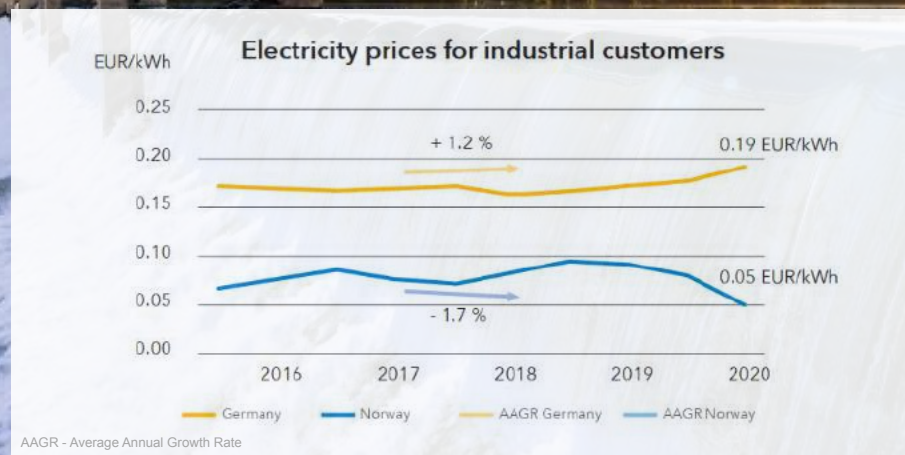
Customer focus





ATTRACTIVE PRICING: GREEN POWER WITH COST GUARANTEE

- Considering **green electricity supply and low electricity costs**, **Norway outperforms** not only major economic players but also its **direct competitors in the Nordics**.
- Over the past 15 years, average electricity prices in other Nordic countries were **12% higher compared with Norway** (Sweden +8%, Denmark +12%, Finland +16%).²
- In 2020, electricity prices in Norway were 74% lower compared with Germany.³
- Aquila Capital has inhouse expertise to **structure PPAs** (power purchase agreements).
- By structuring **100% renewable long-term PPAs**, AQ Compute is able to provide its customers with **cost and delivery security** as well as **capacity reliability** for the underlying power needs.



²Invest in Norway (2018) ³Eurostat (2020)



AIR COOLED

- The **air cooling solution** uses indirect air side economizers, one of the **most efficient** air cooling technologies on the market.
- Due to the low temperatures in Norway, **free-cooling** can be used almost during the **whole year**.
- Guaranteed **PUE** ratio below **1.20**
- Rack density up to **20 kW**.

WATER COOLED

- **Direct water cooling as proven technology** for more than 10 years, successfully implemented across several countries.
- High energy efficiency with a **PUE** as low as **1.05**.
- **High power density** per rack solution.
- Options for **reusing waste heat**, i.e., district heating or building heating, **heat capture of up to 95%** is possible.



GREEN COMPUTING: DEDICATED TO THE ENVIRONMENT & FUTURE



Committed to sustainability since 2006

- Electricity production of over 18 TWh
- Supplying 5 m European households with electricity
- Overall reduction in CO₂ emissions of 6 m tons.

Aquila's commitment to ESG



- AQ Compute is striving to **reduce CO₂ emissions in all operations and along the entire value chain.**
- Power supply from **100% renewable energy sources.**
- **High efficiency** by offering direct water cooling with an **incomparable low PUE ratio.**
- **In-house carbon reporting platform: validation for carbon saving and offsetting,** to help clients achieve their climate targets and improve their sustainability performance.
- Generation of economic as well as **environmental values** for their clients.

GET IN TOUCH!



**HIGH PERFORMANCE COMPUTING IN NORWAY
EFFICIENT & SUSTAINABLE**

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