

RESPONSIBLE COMPUTE.

YOUR GREEN PARTNER IN THE NORTH



Owned by Origo and Borealis Data Center Responsible Compute is a specialized Cloud Service Provider focusing on providing extremely low emissions HPC and AI/ML infrastructure at a competitive price point



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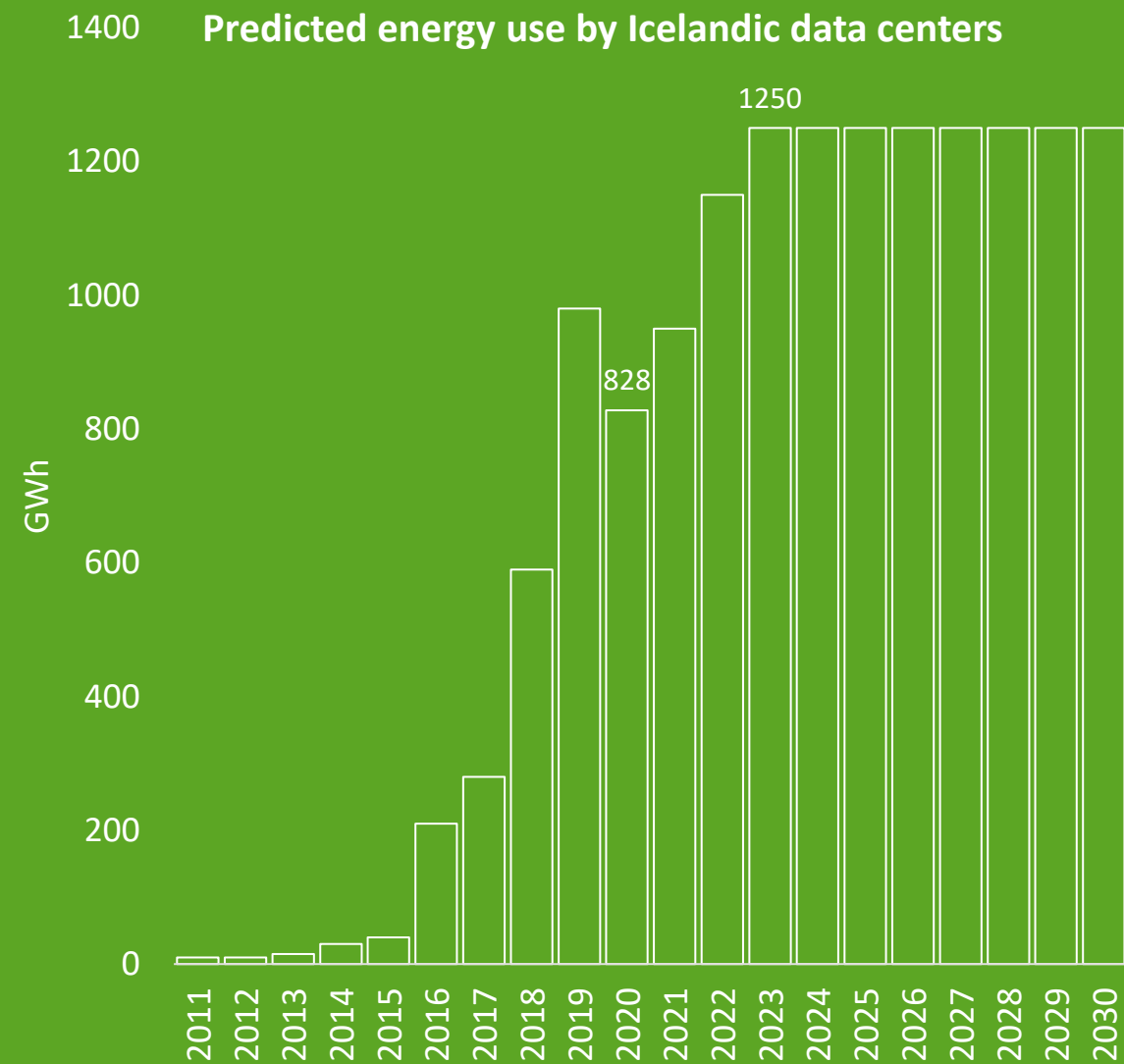
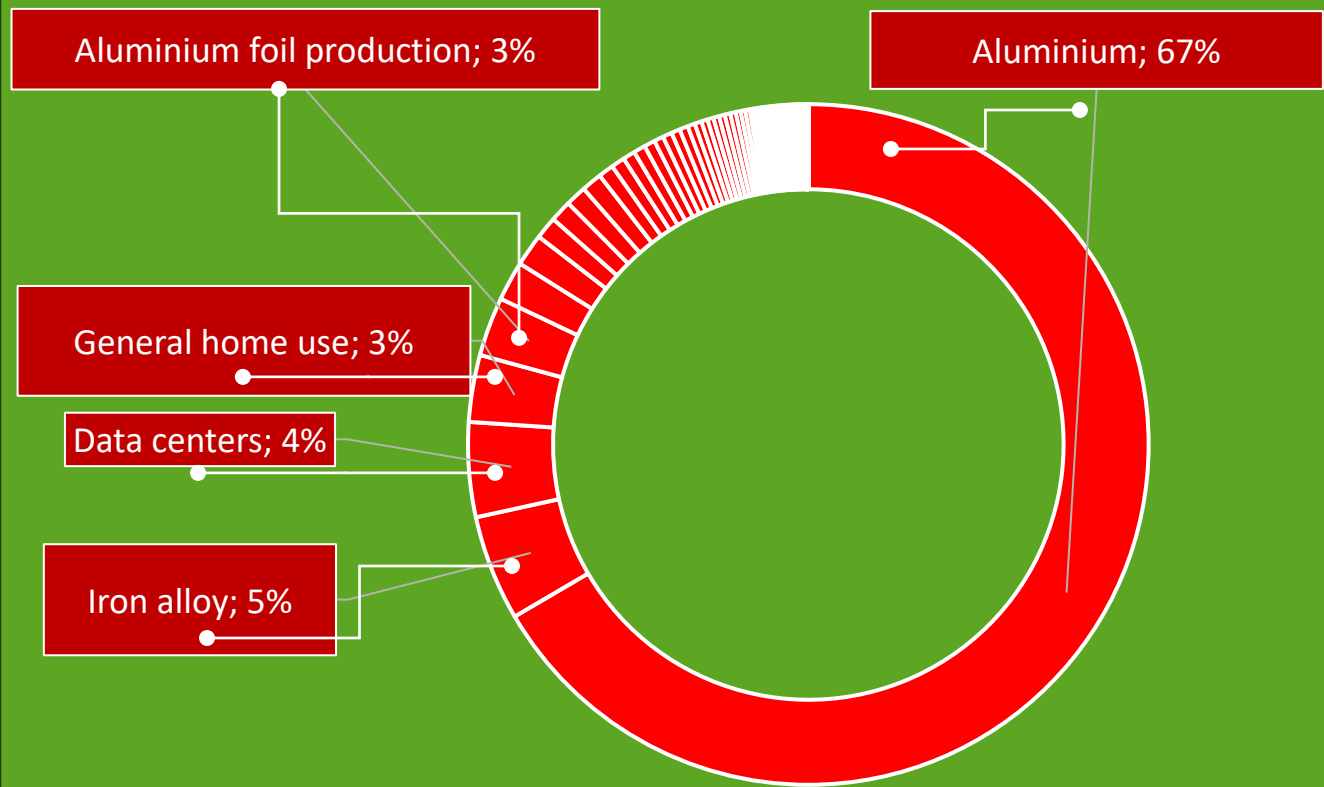


**RESPONSIBLE
COMPUTE.**
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Responsible Compute - Conception

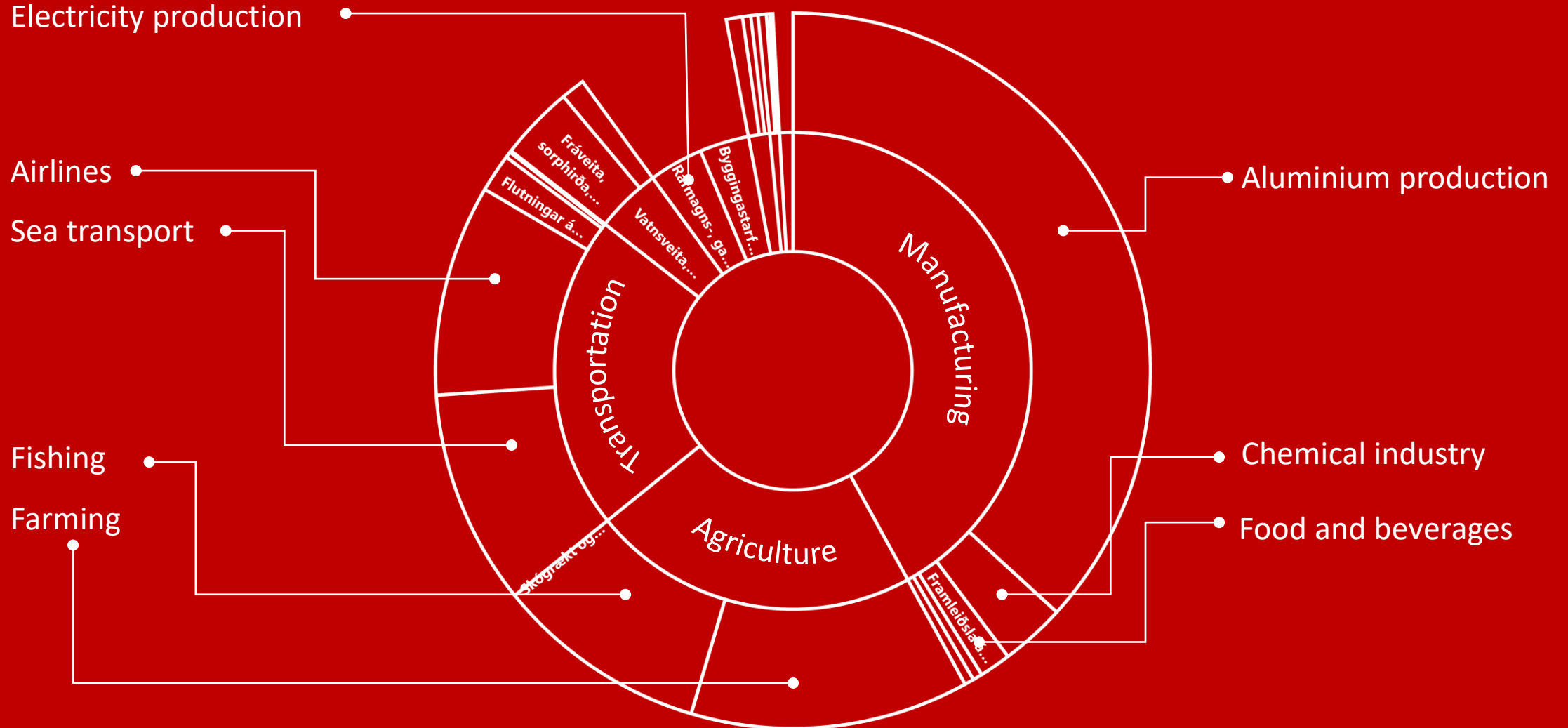


Data centers are among the biggest users of electricity in Iceland



GHG emissions in Iceland from DC is minimal

Despite being among the largest electricity users it barely registers in comparison with other industries



Carbon emissions from Electrical Production



440 g

GLOBAL AVERAGE



100 g

WHAT THE EU CONSIDERS GREEN

(The EU average in 2023 was 253g)



0,9 g

• **THIS IS WHERE OUR NATIONAL POWER
COMPANY WAS AFTER 2023**

Carbon Neutral by 2025

Energy Transition



Iceland's natural resources: a unique value proposition



Not all loads are low latency dependent and can be hosted remotely



Conflict free & geographically isolated



Renewable green energy



Stable low temperature allows for free air-cooling



Abundance of glacier water, ready for water cooling



Long energy contracts 10-25years



No transmission cables connecting to other energy markets



Energy price stable while neighbouring markets have fluctuated





Sites :

Blönduós, Iceland
Reykjavik, Iceland
Fitjar, Iceland
Kajaani, Finland

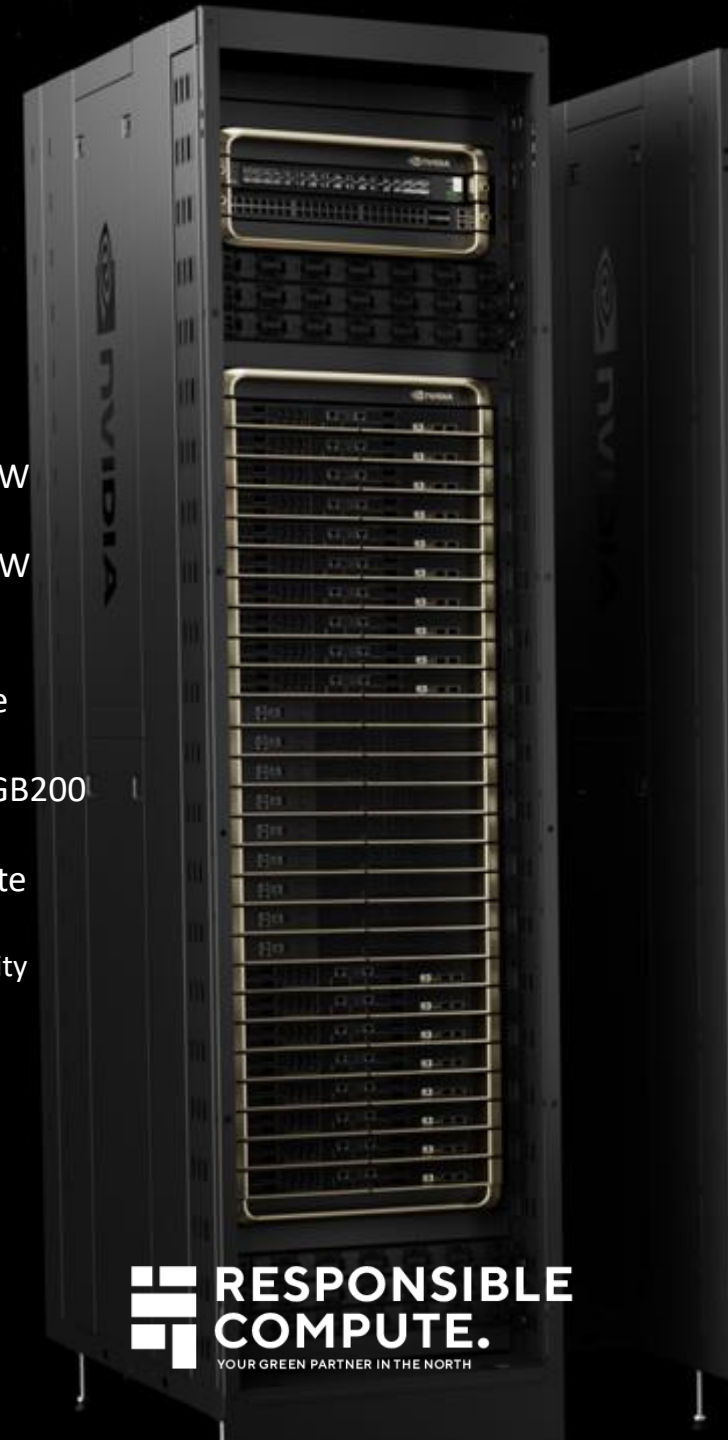
Current IT load running ~70MW

Expansion capabilities +200MW

- AI specific expansions
- For NVIDIA GB200 and like
- Above 30MW expansion
- Ready before delivery of GB200

Main Responsible Compute site
Blönduós in Iceland :

- lack of geological activity
- vicinity to hydroplant



Rescale Cloud HPC platform

Any software. Any hardware. Any cloud.



1000+ Applications

Full-stack performance optimization

SW/HW performance intelligence

HW scale & maturity Intelligence

App performance Tuning

Cost optimization

Open source applications

Commercial applications

Custom apps & containers

Application Lifecycle & Licensing Management

R&D automation & data management

Control plane policy & automation

IT business management

Unified API
job service level assurance

Cloud hardware



On-premises hardware

Lenovo



Full-stack security & compliance

E2E encryption

Multi-org data sharing & isolation

FedRAMP

ITAR

HIPAA

AICPA

SOC2

Cloud Security Alliance



Closed loop AI

Private and Secure LLM

Prioritizing Data Sovereignty and Integrity

No data leaves the secure environment of the model



The most reputable HPC as a Service platform in the World

The Smallest carbon footprint

Completely reserved hardware instances specific to customer needs

Competitive and stable price

Most peaceful and safest place in the world*

No user perceived latency

Multi-cloud compatible

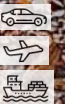
Industry leading sustainability metrics for HPC developed with customers

Platform and infrastructure provided by industry leaders

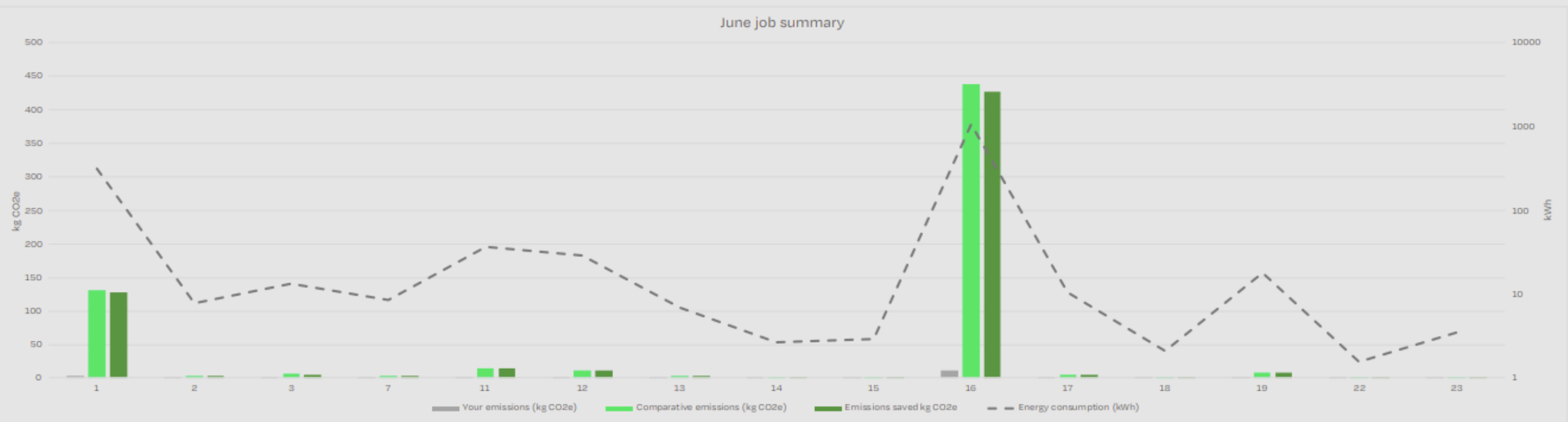
*Top of the world peace index for over 10 years in a row

50 x SD630 v2 Intel XEON 8358	Annual CO2 Emissions(Kg CO ₂ e)
Responsible Compute, Iceland	3.325
Un-named cloud Germany	161.119

Germany 50 nodes	
Estimated annual emission saving	157.794 kg CO2e
Gasoline passenger vehicle's annual emis	34 Vehicles
Flight seats from London to New York	267 Flight seats
Tonnes shipped from Los Angeles to Shan	923 tonnes

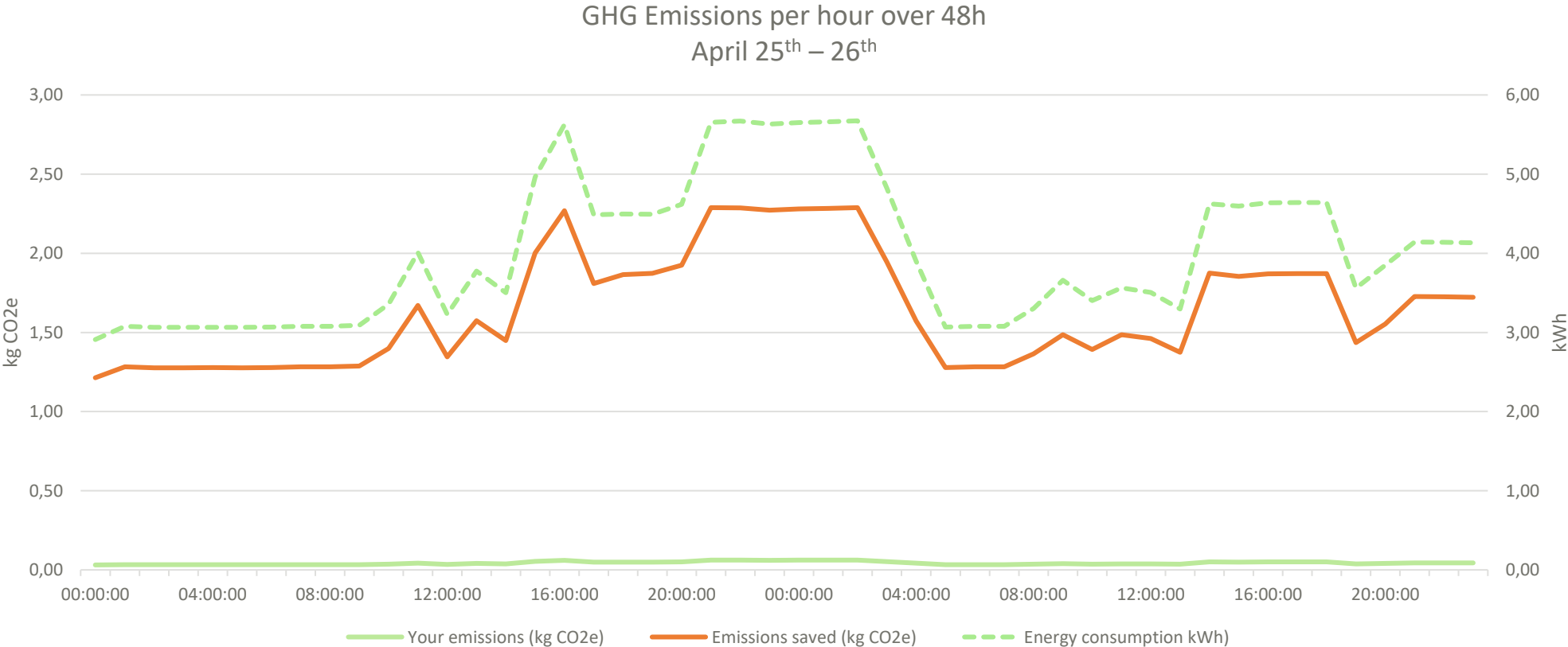


Example of extract from Sustainability Report



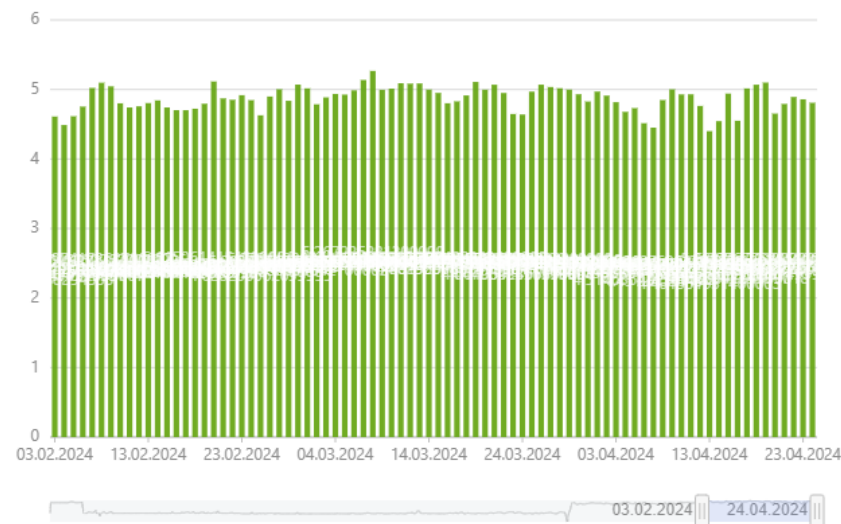
ID	1	2	3	7	11	12	13	14	15	16	17	18	19	22	23
Date	6/2/22	6/7/22	6/7/22	6/9/22	6/17/22	6/18/22	6/19/22	6/20/22	6/23/22	6/24/22	6/29/22	6/29/22	6/29/22	6/30/22	6/30/22
Energy consumption (kWh)	315.5	7.7	13.4	8.5	36.4	29.1	6.9	2.7	2.9	1057.3	10.4	2.1	18.1	1.6	3.5
Your emissions (kg CO2e)	3.4	0.1	0.1	0.1	0.4	0.3	0.1	0.0	0.0	11.5	0.1	0.0	0.2	0.0	0.0
Comparative emissions (kg CO2e)	130.7	3.3	5.7	3.6	15.1	12.0	2.9	11	1.2	437.9	4.3	0.9	7.5	0.7	1.4
Emissions saved kg CO2e	127.2	3.2	5.6	3.5	14.7	11.7	2.8	11	1.2	426.5	4.2	0.9	7.3	0.6	1.4
Unit hours	18926.6	38.9	66.6	141.1	2752.2	1281.6	323.0	23.0	17.7	58553.0	15.7	16.3	1471.6	12.6	25.3
Cores	484	44	44	264	484	484	484	88	264	484	264	264	484	220	220
Duration (minutes)	2420.3	87.1	147.9	97.1	411.6	326.5	76.1	29.7	33.1	7283.7	115.7	26.7	206.5	15.5	31.9

Example of extract from Sustainability Report

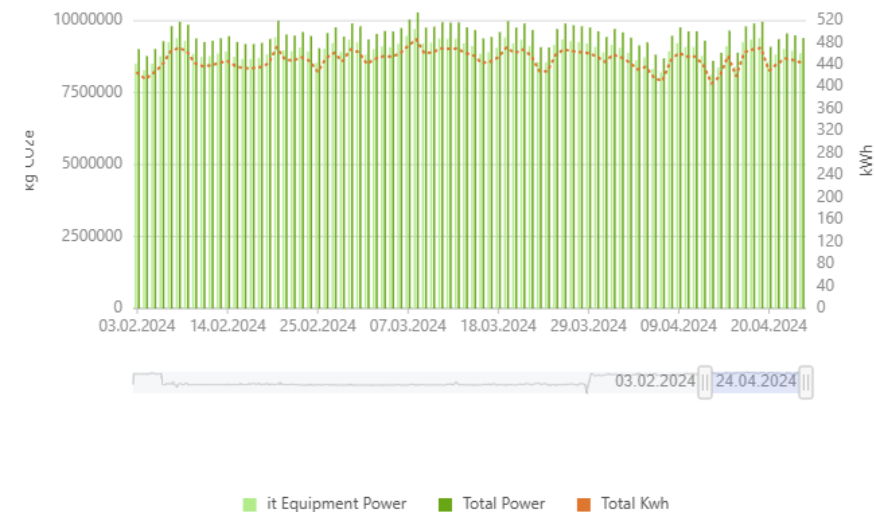


Dashboard

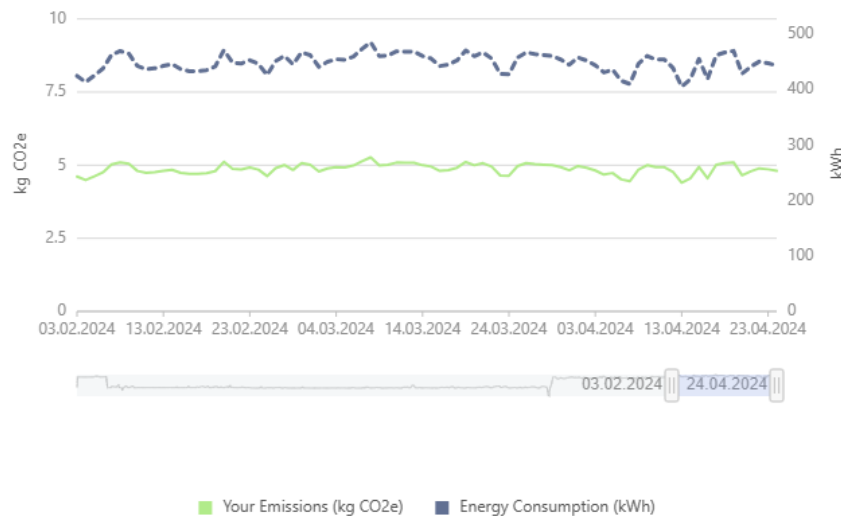
CO2/Kg Emissions per day



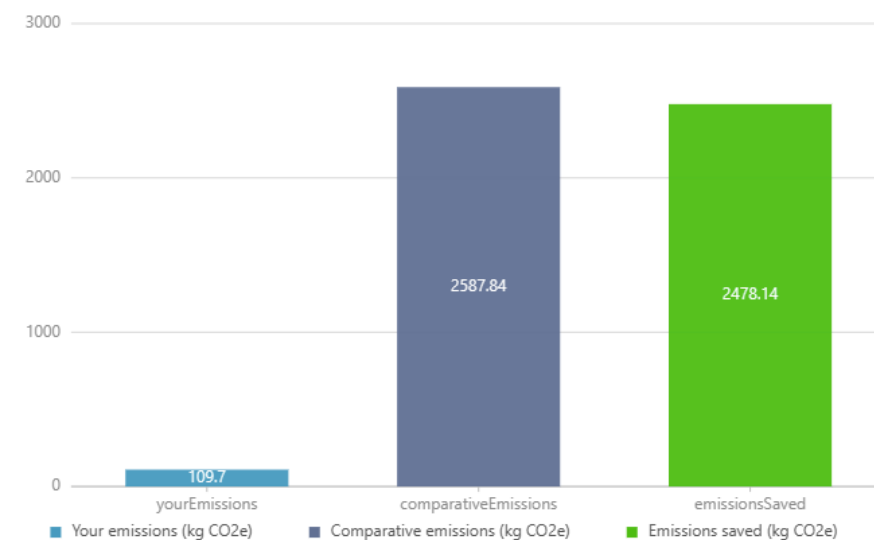
Emissions



GHG Emissions per day



Emissions comparison





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