

IBM Cloud Hybrid. Open. Resilient.

The most open and secure public cloud for business





4 inescapable paradigms drive the need for Hybrid Cloud ...

History

...Hybrid Cloud enable continuous integration and transformation, irrespective of past decisions and current state of your journey

Choice

...Hybrid Cloud embrace innovation across vendors and platforms with unified security- and operations processes



Physics

...Hybrid Cloud opens up for workload mobility allowing you to process data where it is created and used



Law

...Hybrid Cloud allow you to balance the benefits of Global Operations while complying with local regulations



Challenges

Moving and modernizing workloads for the cloud



IBM Cloud:
Purpose-built for mission-critical workloads

Clients make workload placement decisions based on 5 key dimensions

IBM Cloud is designed for mission critical workloads and is optimized for the needs of regulated industries

Resiliency

- "IBM Cloud is the most reliable cloud we have worked with globally" –
 President and CTO, Dizzion
- 90% reduction in Severity 1 incidents

Performance

- 3x more SAP ERP transaction throughput per core in Power Virtual Server compared to next best result from Google
- IBM Vela, GPU as a Service,
 IBM High Performance
 Computing

Security

- Only you can see your data
- Ranked most secure and reliable amongst SAPcertified infrastructure
- Always on monitoring

Compliance

- 30% reduction in Compliance costs
- 18 months faster ISV onboarding with validated IBM process

Total Cost of Ownership

- 212% ROI for SAP on IBM Cloud
- 209% ROI for VMware on IBM Cloud

























IBM Cloud is a full stack cloud platform

Strategic focus on mission-critical solutions and regulated industries



③ IBM Cloud Catalog Manage V

https://www.ibm.com/cloud

IBM Cloud catalog categories:

AI / Machine Automation Analytics learning Blockchain Containers Compute Developer IBM Cloud Paks Databases tools Internet of Logging and Integration monitoring things Quantum Networking Mobile Security

Storage

Featured IBM Cloud solutions

- AI for customer service
- Application modernization
- Backup & recovery
- Chatbot
- Cloud migration
- Cloud native
- Cloud strategy
- Confidential Computing
- Data migration
- Data science
- DevOps
- Dedicated hosting

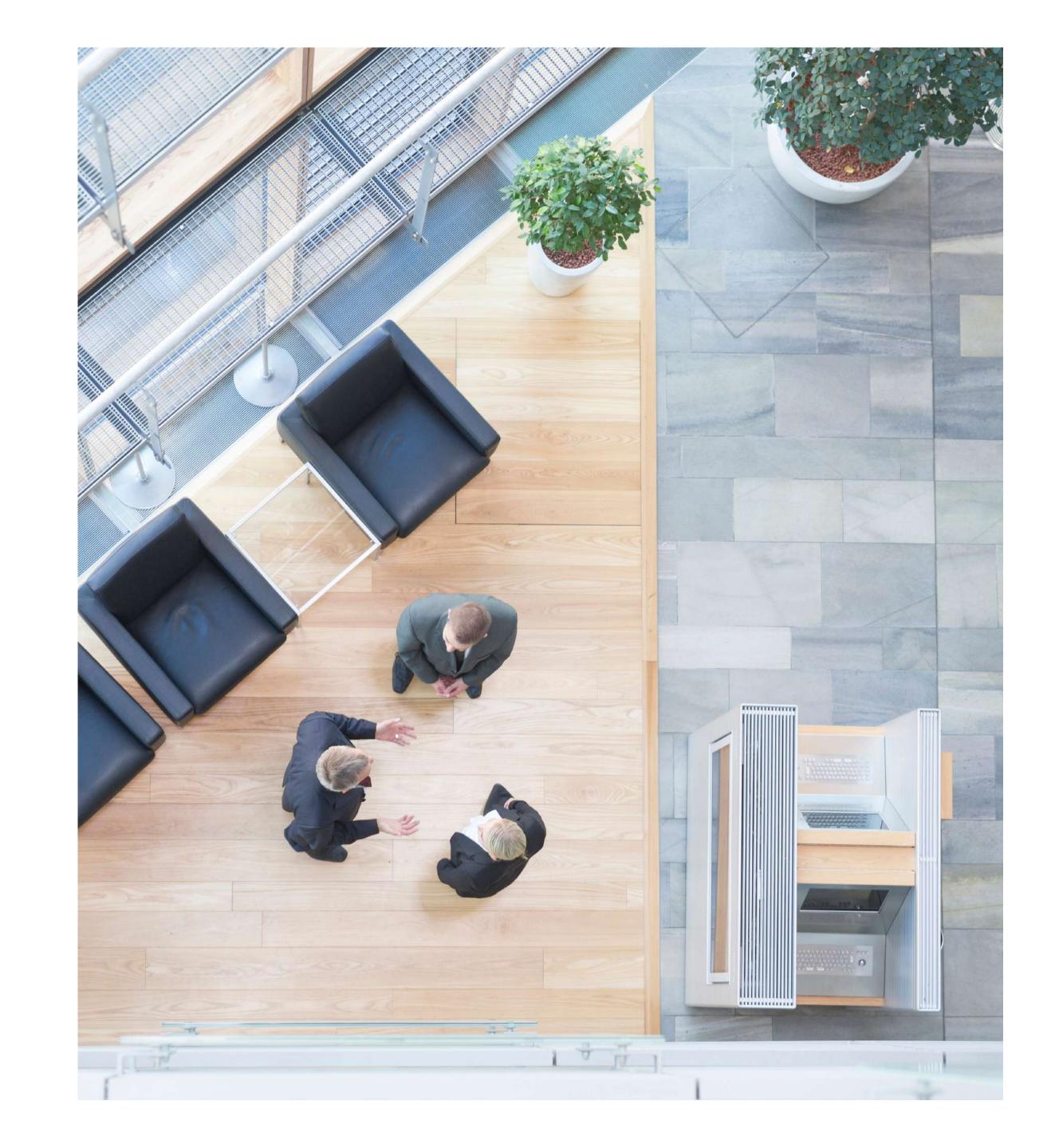
- Edge computing
- Game hosting
- GPU computing
- High performance computing
- Hybrid cloud management
- Machine Learning
- Infrastructure management mobile
- SaaS integration
- SAP
- VMware
- Virtual Private servers
- Websites

Some of the largest companies in the world run their business on IBM Cloud

of the Fortune 50

1 Of the 10 largest banks

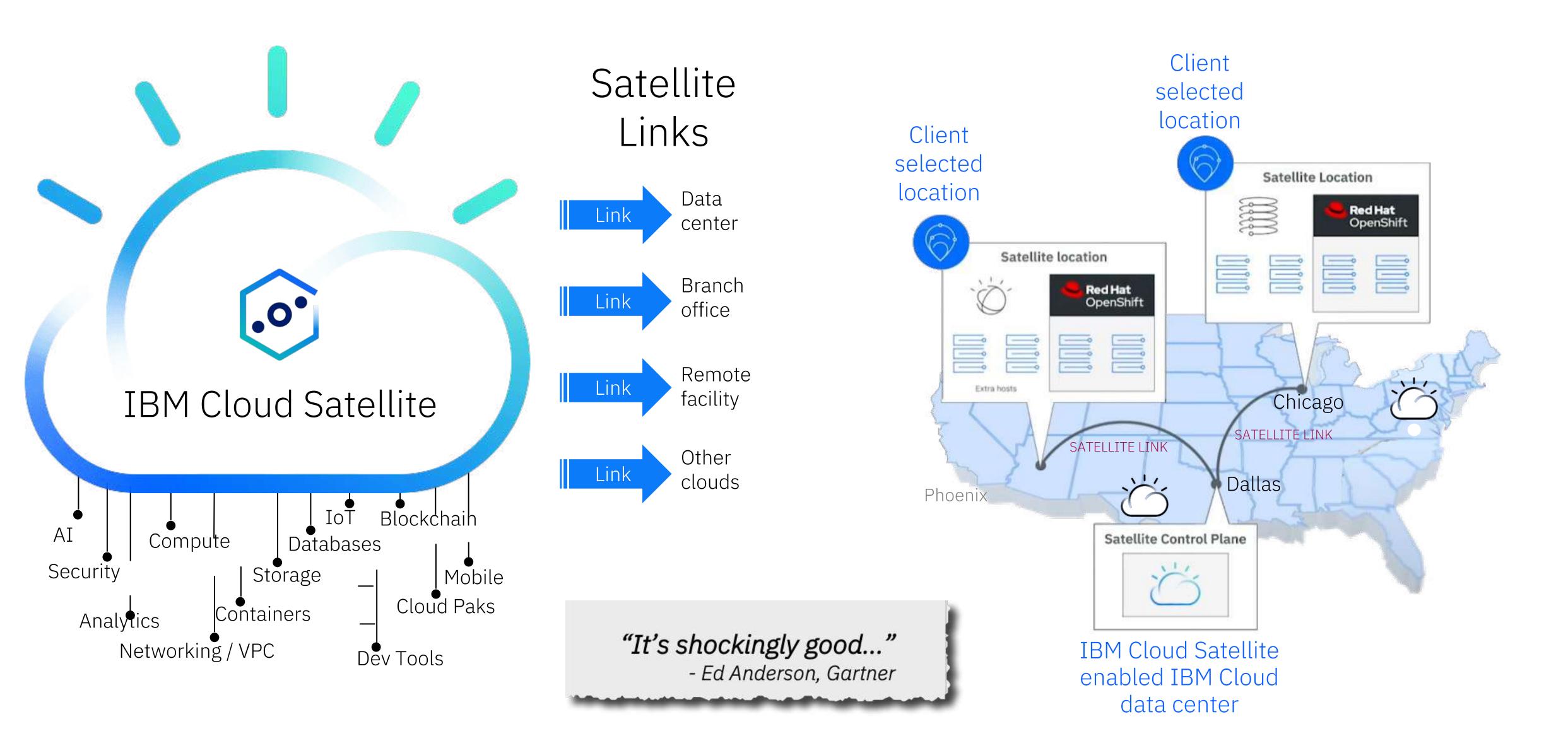
> Of the 10 largest airlines



IBM Cloud regions and zones



IBM Cloud Satellite: bring the cloud to you, wherever you need it — IBM's distributed cloud



Why IBM Cloud?

Best for Regulated, Secure and Mission-critical workloads

- 1. Meet you where you are and support your entire journey
- 2. Enable workloads anywhere– any cloud, on-premor at the edge
- 3. Technical assurance that only you can see your data
- 4. Prove regulatory compliance
- 5. Open approach

Industry leading capabilities address critical enterprise use cases

IBM Cloud for Financial Services

550+ FS Framework control requirements, externally validated.
Onboard ISVs in weeks, not Quarters



20% faster migration vs hyperscalers. Broadest platform selection and world record SAPS

IBM Cloud Satellite

Consistent cloud services to build faster, securely and anywhere. Ecosystem that extends Satellite to new markets w value added services.

Confidential Computing

Secure enclaves. Technical assurance that only you can see your data

vmware

209% ROI

40% boost in productivity Average

\$1.3M DC cost savings

Always On Compliance

Single management view for all Security and Compliance postures. Audit traceability - all the way down to the chipset

Hyperscale

Setup 1000 VMs in <120 seconds
Virtual Private Cloud
Hyperscale virtual servers



30K+ Kubernetes clusters in production, 10x release frequency & 44% less hardware cost Open & Robust Ecosystem

200+ Partners





















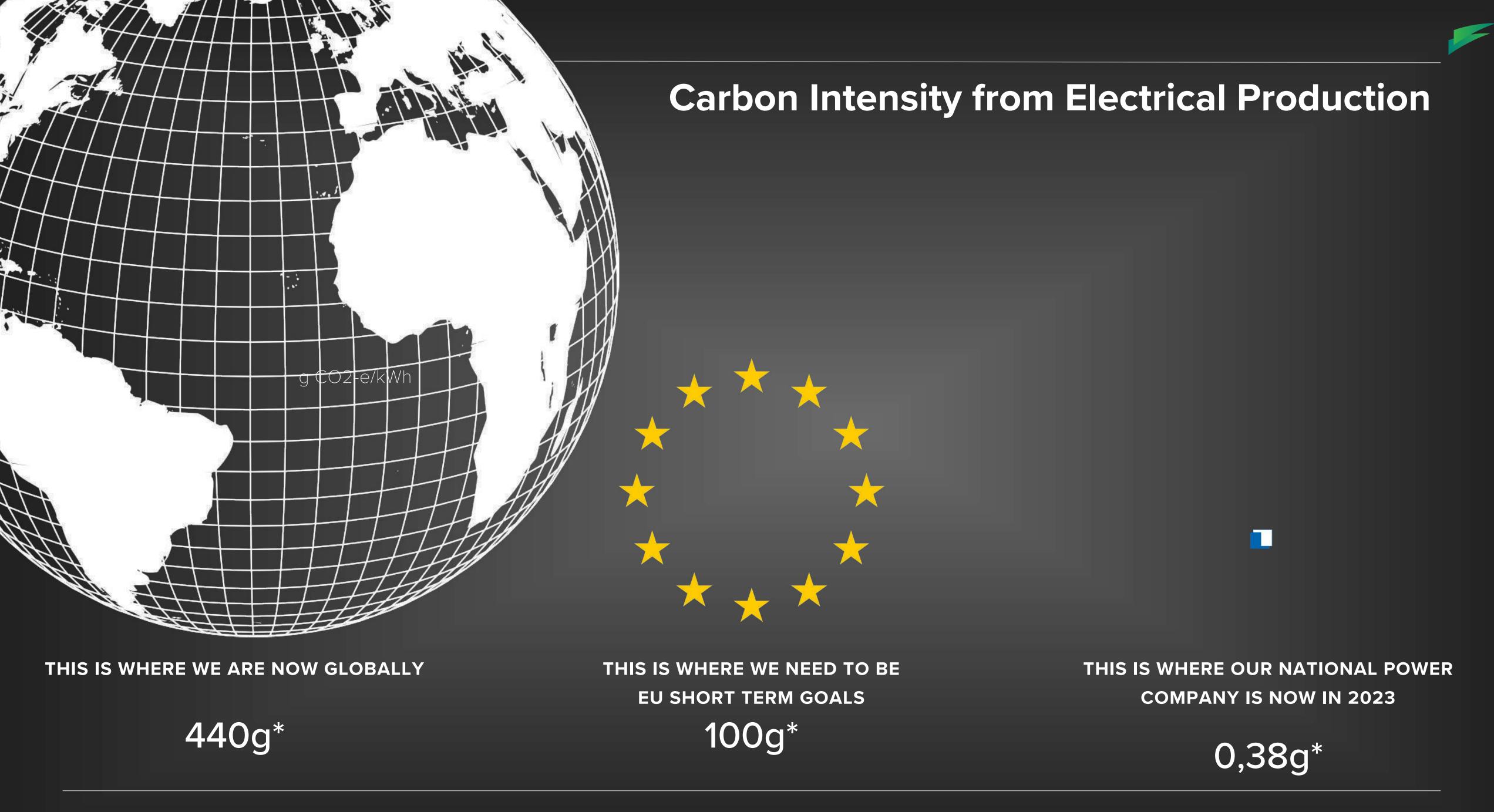




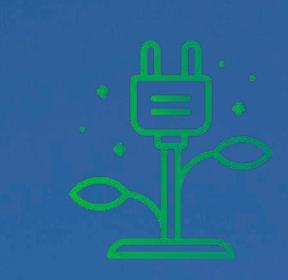


The Challenge

- Meeting the goals of the EU Green deal by 2030: climate neutrality by 2050, 55% reduction greenhouse gas emissions by 2030, increase use of renewable energy, improve energy efficiency, etc.
- Finding a site that fulfills your future needs in terms of sustainability and scalability
- Finding a site and experts that can support your changing needs
- Security and location
- Time to market
- Reliable and cost efficient operations
- Dedicated service and future proof of operations



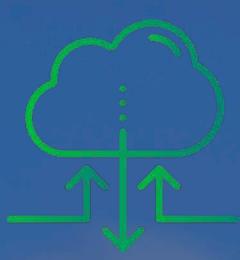
The Borealis Solution - ESG is in our DNA



100% renewable, 0 waste

PUE as low as 1.03

.38 g CO2-e/kWh electric carbon intensity



Lighting speed connectivity

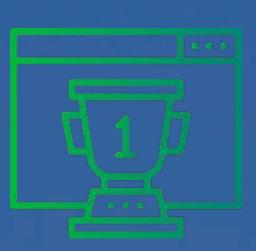
Bridging continents
through
4 submarine cables



Certified compliant

ISO 27001, ISO 27017, and ISO 27018 (Q4 2023)
EN 50600 (Q1 2024)

NVIDIA in progress



Ranked #1 safest country in the world for 14 years

Ranked #1 infrastructure

Ranked #1 hyperscale & cloud-scale data center

The Borealis Solution – Your Responsible Partner

EU Green Deal Compliance

Tailored Solutions

Expert Team & Marketplace of Strategic Partners

Future-Proof Sustainability

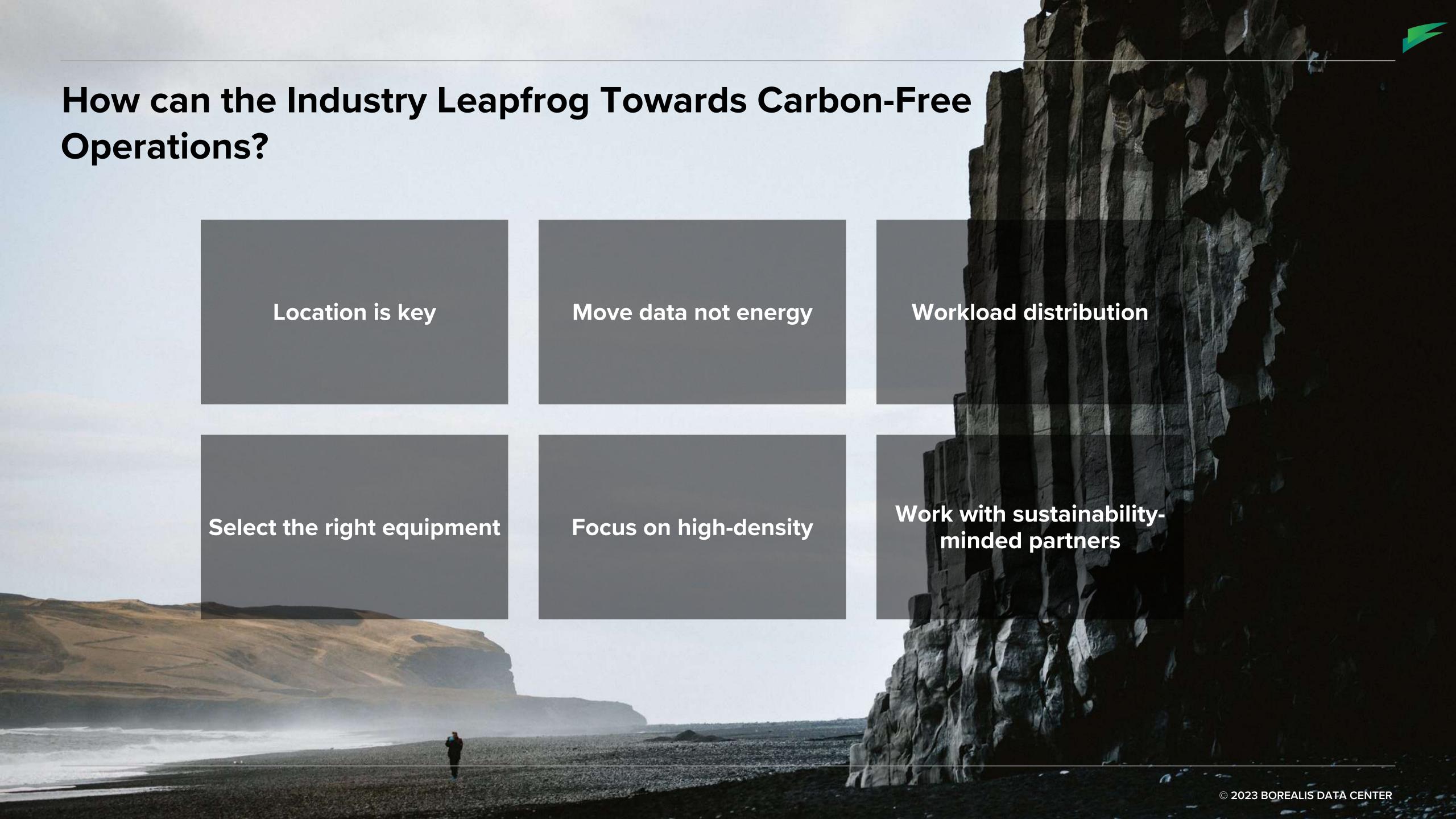
Efficiency & Security

Time to Market

Proven Track Record

Safe & Reliable Location

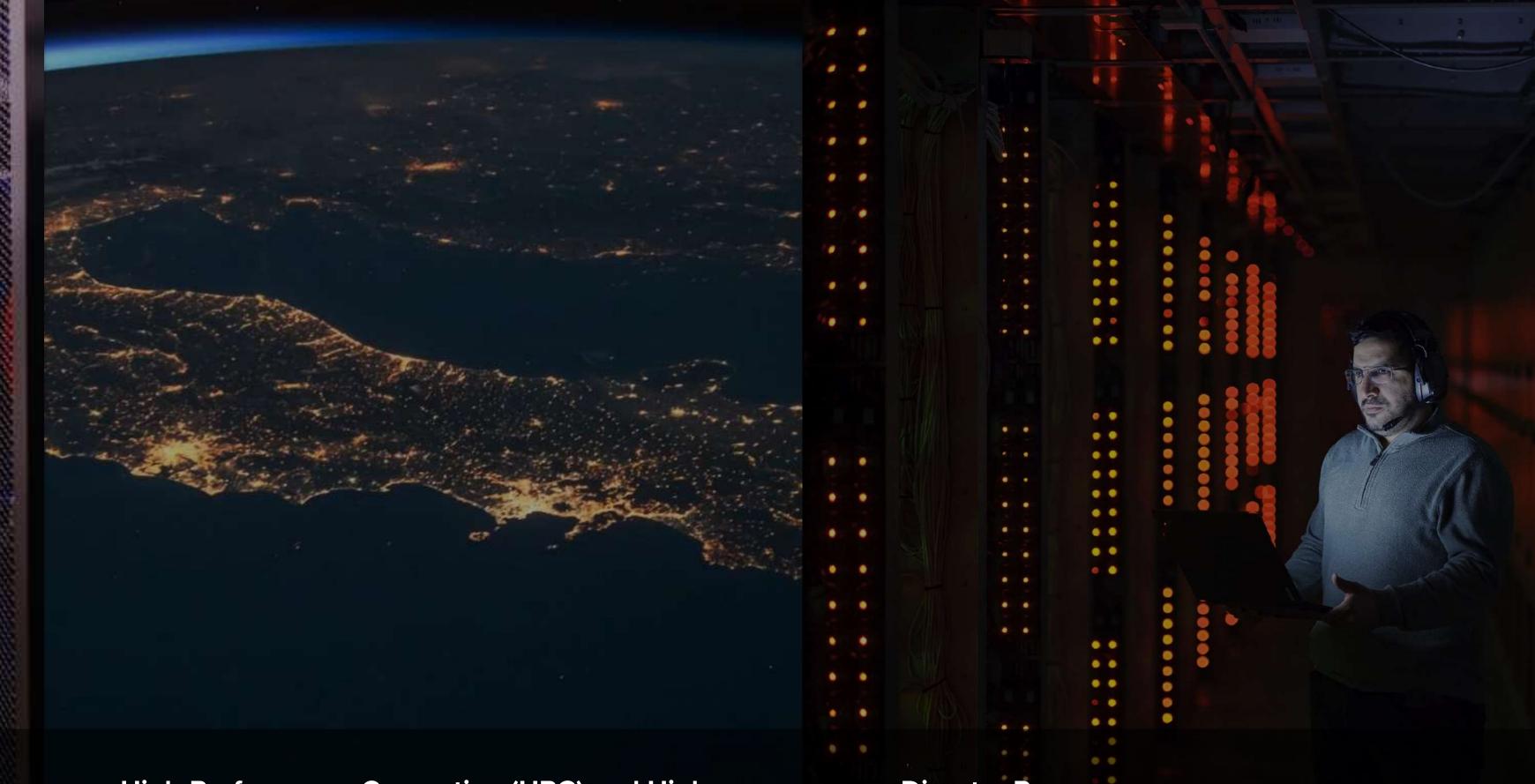
6.2023 SOREALS DATA CENTER



Core Service Offering

High Availability

Our high availability services are tailored for mission-critical systems that demand uninterrupted uptime. With a focus on reliability and continuous operations, we ensure your essential business functions remain accessible and dependable.



High-Performance Computing (HPC) and High Density (Al workloads)

Borealis excels in delivering high-performance computing capabilities. Our infrastructure is optimized to handle high-density workloads with demanding energy and cooling requirements. Experience exceptional performance and efficiency for your compute-intensive applications.

Disaster Recovery

We offer sustainable and cost-effective solutions for disaster recovery. Our secondary site solutions provide the necessary redundancy to maintain compliance and ensure data availability. Gain peace of mind knowing that your compute and data assets remain accessible and protected.

Reykjavík Campus Blönduós Campus Fitjar Campus 12 MW of built out capacity 10 MW of capacity 50 MW of built out capacity 50+ MW further growth potential Hosting key national infrastructure 120+ MW growth potential Keflavík airport just 5 minutes away Large substation supports further growth Specially equipped for HPC and Al In the capital city of Reykjavik Powered by Blanda hydropower station IHA Blue Planet Prize in 2017 for excellence in sustainable development © 2023 BOREALIS DATA CENTER





Introducing Borealis Cloud by IBM & Borealis Data Center

Borealis Cloud is well positioned to serve businesses in a whole range of use cases where maximizing energy usage and in parallel cutting on emission are most crucial, including, but not limited to:

& BACKUP

Meet your needs
for cloud native
managed
services, no
matter of your
geographic
location. Backup
of your
applications made
easy while
complying with
local sovereignty.

RESIDENCY With Sustainable **Cloud Services** you can meet your needs without worrying about compliance. Simplify maintenance and roll out new features much quicker. Comply with local sovereignty and privacy regulations.

REGULATED

ADDRESSING

DATA

WORKLOADS &

PERFORMANCE COMPUTING Handle data flow in increasing volumes and speeds, create unique outcomes and options by performing advanced simulations and computations. Provide with high performance data analytics (HPDA) to new Al applications.

HIGH



The added value

COMPLIANCE WITH PRIVACY REGS & LOCAL SOVREIGNTY

Cloud Satellite allows to securely analyze data right where it's located or being generated.

ACCELERATE DECARBONIZATION

CO2 emissions in Iceland come close to zero, resulting in a positive impact on your ESG reporting.

