



SUBSEA CLOUD. SUBSEA DATA CENTERS.

Benefits of Subsea Cloud's Subsea Data Centers

Radical Cost Savings

- **Build costs cut by up to 80%** compared to land-based facilities (≈\$1M/MW vs. \$7M/MW).
- **Operating costs reduced by ~40%** thanks to free seawater cooling and lights-out operation.
- Total Cost of Ownership (TCO) **lowered by up to 70%** through modular, efficient design.

Environmental Sustainability

- **Zero water** usage (vs. 3–5 million gallons/day in traditional DCs).
- **No harmful refrigerants** or greenhouse gases used.
- Every unit **saves up to 7,064 MWh and 3,532 tons of CO₂ annually (H100 GPU workloads)**.
- **Fully recyclable** structures with long lifespans, minimizing e-waste.

High Performance & Scalability

- **12-week deployment timeline** (vs. 18–24 months for land-based builds).
- Supports tens to **hundreds of MWs** over time with modular scale-out.
- **Industry-leading rack densities** (150+ kW per rack) — optimized for AI/ML, HPC, and edge workloads.
- **AI/ML-ready** with the lowest PUE & WUE in the market.

Reliability & Resilience

- Subsea placement shields assets from physical threats, climate volatility, and land scarcity.
- Units are corrosion-resistant, recyclable, and designed for rapid remote maintenance (ROVs enable service within hours).
- Long design lifespan ensures minimal operational disruption.

Strategic Partnerships

- Co-located with renewable power providers, converting green electrons into green data.
- Integrated with cable providers, subsea asset owners, and governments for maximum ecosystem benefit.
- Deployable in rivers, ports, dams, and offshore environments worldwide.

Key Takeaway

Subsea Cloud redefines digital infrastructure: **faster, greener, cheaper, and more resilient** than any land-based alternative.

