



RFI / RFQ — JERT DC Reserve Node (EU)

Design & Manufacture of Containerized Liquid-Cooled Data Center Module

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Project Background

JERT DC Reserve Node is a modular, containerized data center solution designed to operate as an autonomous reserve compute island for EU data center operators. The solution complements primary data centers by providing long-duration autonomous compute and power continuity.

Scope of Supply

- Supplier delivers a fully assembled ISO 20 ft HC containerized data center module with direct liquid cooling.
- Includes internal power distribution, monitoring, safety systems, and factory acceptance readiness.
- Excludes: IT hardware (GPUs/servers), and the LNG + BTU power module (supplied separately).

Technical Targets

Usable IT load	180-200 kW
Cooling	Direct liquid cooling (liquid-ready racks)
Rack configuration	3 × 42U liquid-ready racks
Design life	≥ 10 years

Compliance & Testing

- CE compliance; IEC/EN electrical standards (as applicable).
- TÜV support where required.
- FAT and SAT procedures required; documentation pack delivered with unit.

Requested Information (Supplier Response)

- Company profile and legal entity details.
- Reference projects (containerized liquid-cooled DC modules).
- Lead time and manufacturing locations.
- Preliminary layout approach and integration interfaces.
- Budgetary pricing range (capex; optional maintenance).
- Compliance approach (CE/IEC/EN) and FAT/SAT checklist proposal.

Submission & NDA

Suppliers may request the NDA package before detailed technical annexes are released. All responses must clearly state any assumptions, exclusions, and deviations.



Contact: dc@jert.ch • info@cryogas.kz