

COMPUTE INFRASTRUCTURE. REDEPLOYABLE.

Neumann Class Modular Data Centres

10MW platform. Designed to scale to 20MW and 40MW.

A floating, grid-independent power and cooling platform for high-density compute - built to bring capacity to the point of demand.



CONCEPT VISUALISATION / Final arrangement and dimensions subject to engineering.

10MW

IT LOAD

High-density compute

N+1

COOLING

Seawater heat rejection

Dual-fuel

POWER

LNG / diesel + BESS

Mobile

ASSET

Redeploy as demand shifts

PLATFORM FEATURES

Marine resilience. Data-centre discipline.

Integrated compute, power and cooling on a purpose-built steel marine platform.

01

Compute & control

Full-beam, four-level forward server block with a rooftop bridge-style control room. Enclosed data hall with orderly side ventilation.

02

Integrated energy

Dual-fuel LNG/diesel generation, four containerized BESS units and low-profile rooftop solar. Powerhouse and gas-handling equipment enclosed.

03

Cooling & redundancy

N+1 liquid cooling with seawater heat rejection. A marine cooling architecture for high-density compute.

04

Marine deployment

Recessed spud mooring wells, clear deck access and sheltered-water siting. A redeployable asset as demand evolves.

10MW TECHNICAL OVERVIEW

Generation 4 × ~3.5MW dual-fuel units (N+1), plus marine battery ride-through

Marine platform Purpose-built steel hull with recessed spud mooring wells and protected service access

Mooring Spud mooring in sheltered, shallow water; indicative depth under 25-30m

Shore interface Dedicated fibre data and electrical cable connections to a nearby service jetty

Hull dimensions, mooring design and shore interfaces are developed around the deployment site. Solar and battery capacities are defined during detailed engineering.

Integrated systems / Independent power / Redeployable infrastructure

CONNECTED TO SHORE. READY TO SCALE.

A marine platform. Part of your digital infrastructure.

Connect to shore through dedicated fibre and electrical interfaces, with onboard generation supporting grid-independent operation.



CONCEPT VISUALISATION / Separate power and fibre data connections to a service jetty.

Fibre connectivity

Dedicated data cable route from the platform to shore-side network infrastructure.

Electrical interface

Separate power cable connection, with the operating arrangement defined for each site.

ONE ARCHITECTURE / THREE CAPACITY CONFIGURATIONS

10MW

4 × 3.5MW gensets
14MW installed generation

20MW

5 × 5MW gensets
25MW installed generation

40MW

6 × 8MW gensets
48MW installed generation

Indicative N+1 generation configurations; larger capacities use larger hulls.

Explore your deployment

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