



From submarine base to Marseille's cutting-edge colocation data center

DIGITAL REALTY



CUSTOMER SEGMENT
Data centers

BRAND
Equans DATA CENTERS

TYPE OF WORK
Construction

PROJECT LOCATION
France

COUNTRY IN CHARGE OF EXECUTION
France

FORM OF CONTRACT
Design, engineering & consulting, Build

ROLE IN PROJECT
Single Point of Contact

PROJECT VALUE
> 50M

PERIOD
2018-10 - 2021-09

External use under NDA only



Digital Realty, is a global leader in colocation services for digital transformation and data management, providing customers with data center infrastructure from cloud to AI. The transformation of a former German submarine base in Marseille into a state-of-the-art data center, MRS3, entailed the retrofit of an old bunker.



Equans solutions

We delivered this colocation facility using BIM 3-level technology, which connected our in-house engineering experts with our partners, enabling collaboration, coordination, and project management throughout the project phases. The data center's energy efficiency is ensured by combining free chiller cooling solutions with a unique river cooling system sourced from the Garonne river.

Rewarded with a silver BIM award in 2019 by the Moniteur et Cahiers Techniques du Bâtiment.



Customer benefits

The bunker spans 250 meters in length and features a 5.50-meter-thick concrete slab. It includes a terrace overlooking a canyon, surrounded by a 12-meter-high wall. This innovative architectural design accommodated the installation of a 16.5-megawatt IT power system within a 6,900 m² technical space, aligned with the client's critical capacity requirements.

16.5^{MW} IT

Power

6900^{m2}

net IT space

2.4^{kW/m2}

average power density