

Rittal – The System.

Faster – better – everywhere.

Fowa Nital Group: New data centre for maximum efficiency

CUSTOMER REFERENCES

Information technology



Nital

Customer: Nital S.p.A.

Industry: Distributor of electronic and photographic equipment

Established: 1991

Headquarters: Moncalieri, Italy

Fowa Nital has been a distributor of photographic materials and accessories for over 50 years. In 2013, the Group relocated from its headquarters in Turin to Moncalieri in Pied-

mont. The enterprise made sure it implemented energy-efficient and environmentally-friendly technologies when the new site was constructed.

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THE PROJECT

The Challenge

- Previous data centre contained old racks and unstructured wiring
- Requirement for a reliable and scalable DC for maximum energy efficiency

The Solution

- Rittal RiZone DCIM for monitoring energy consumption
- 3 TS IT racks, Rittal DET-AC, 2 LCP
- CMC, PSM, 1 UPS PMC40 with 2 moduls (10 kW)



Reliability restored

Nital's relocation also offered the opportunity to create a new data centre. "The old data centre consisted of a series of server enclosures stacked one on top of the other over time. In addition to causing reliability problems, it was a real dust trap with a jumble of cables," as the Group's Chief Information Officer Massimo Margiotta explained why it needed a new data centre.

Efficient cooling systems deliver energy savings of 30 percent

"The Rittal products have proved completely reliable and autonomous. The solution with closed enclosures has enabled us to significantly reduce the number of disc and server defects. What is more, a few years on, we've seen substantial energy savings of over 30 percent compared with the previous year, which we achieved by using cooling systems in the server room," concludes Margiotta.

Disaster recovery and sophisticated safety solution

Having checked out two leading suppliers, Nital decided to award Rittal the contract for the new data centre. Rittal planned and built the main and backup data centres. The former is a RiMatrix solution with 3 HPC rack servers and an LCP system. In addition, a modular UPS system ensures electrical continuity. Further Rittal solutions that guarantee high availability include the DET-AC early fire detection system and the Computer Multi Control (CMC). The backup centre consists of a single server rack that is also monitored by means of a CMC monitoring system.

Both these infrastructures are managed and monitored by Data Centre Infrastructure Management (DCIM) RiZone software, which is able to respond independently to critical situations and malfunctions throughout the installation.

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