



PROJECT SHEET NO. 7

# MEP installation and facility management for BNP Paribas Algérie

Supply and installation of MEP equipment  
and subsequent technical operation and  
maintenance.

# 7



# 70,000

After installing 9 ventilation and air conditioning systems, the air exchange rate covers 70,000 m<sup>3</sup> per hour.

The building, considered groundbreaking in Algeria, requires for its continued operation a comprehensive range of activities focusing on hard services, which are provided by our facility management team.

3.25

Electricity to the building is guaranteed by three transformers supplying 3.25 MVA.

750

About 750 smoke detectors were installed, offering coverage for the entire 14 levels of the building.

We contributed to the construction of the first building with high ecological standards in Algiers.

### BNP Paribas in Algeria

In cooperation with CFE Algérie, 3Concept Facility Management (3Concept) participated in the construction and fit out of the first headquarters of an international bank in Algeria. Not only is this landmark building a first in terms of investment in real estate, but it is also the first building to be certified HQE (High Quality Environmental standard) in Algeria. The total area of the building is more than 30,000 m<sup>2</sup> and consists of two separate parts, which include a customer service centre and back office administration department. 3Concept worked with CFE Algérie to complete a full MEP installation package, including high and low voltage cabling, heating and air conditioning, fire detection and suppression systems, security systems, building management system and the subsequent testing and commissioning. Another important area is the data centre, which during the commissioning phase, required extensive knowledge of data migration and security procedures.

### Scope of cooperation

The overall output of the installations is 3.25 MVA, ensured by three high-voltage transformers. Standby support is provided by two diesel generators, each with a standby capacity of 715 kVA. In addition, cooling systems were installed with an overall capacity of 1,6 MW, while cooling of the technical rooms is provided by two cooling units, each with a standby capacity of 255 kW. After the MEP installations were complete, 3Concept took over the technical operation and maintenance of the building, and currently provides maintenance of technical equipment, specialised inspections and testing of reserved technical equipment, preventive and ad hoc maintenance, small and medium repairs, a helpdesk and a 24-hour hotline. A custom built software for facility management allows 3Concept and the client to monitor revisions and preventive maintenance, as well as the flow of all requests at any time.

### Project challenges

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**Fire safety** Certifications of compliance with fire safety standards are essential to the commissioning of a building. Therefore, it was necessary to obey the strict requirements and work with local authorities to adapt the existing norms to the uniqueness of this building, one of a kind in Algeria.

**Distance** Our logistics team ensured uninterrupted construction by maintaining the continuous supply of material. We managed the individual phases of supplies, during which we transported more than 50 maritime containers of material.

**Green building** We worked with the General Contractor and the client to maintain the highest quality standards during the construction process to ensure HQE certification.

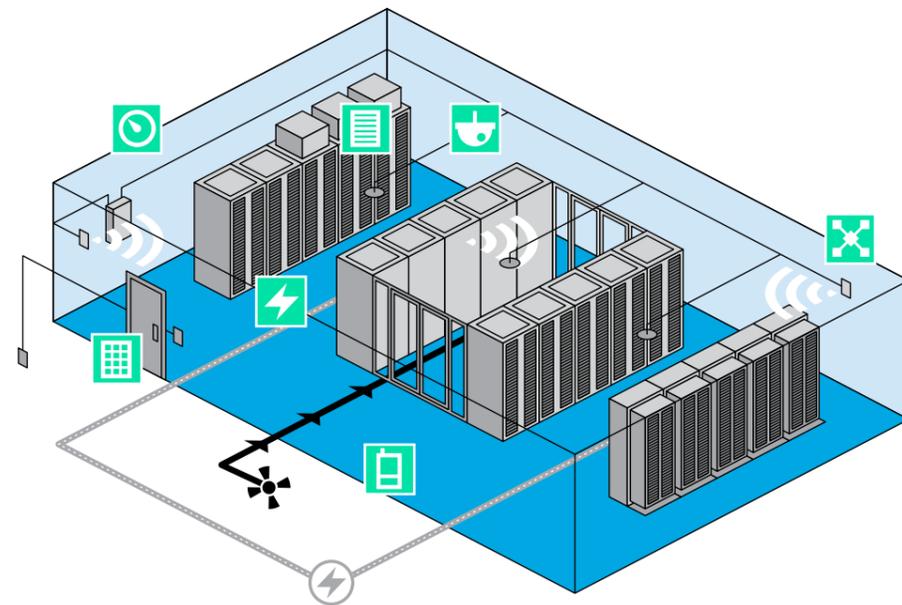
## Data centre

The data centre is the heart of the bank. It is the home of all the information (transactions, client details, account data, etc.) relative to the bank and its clients, which makes it the most important room in the building. Therefore, we used the most effective methods at our disposal in order to ensure its good working order and security. The installation of equipment in this space required precise and professional cooperation between our technicians working on both high and low current, as well as with the client's IT team and the local fire brigade.

In order to avoid black outs or the loss of data, we alimented the data centre with two electrical sources: a diesel generator and UPS. By doing so, we can guarantee that even in the case of power outage the data centre can remain online.

The security and protection of sensitive data in a room of such importance lead us to install a purpose designed entry system. Furthermore, in order to maintain a constant temperature between 21°C and 28°C, an independent cooling system helps to ensure the ideal conditions to avoid the risk of overheating the equipment.

In the case of a fire, a specialised fire-fighting system uses an inert gas. This equipment is independent from other fire-fighting equipment and benefits from fire doors and smoke and heat vents.



-  Fire safety system
-  Voice - Data - Images
-  Intercom system
-  Anti-intrusion system
-  Access control system
-  Video surveillance system
-  Centralised technical management system (BMS)



This project was extremely stimulating on the logistical level as it was a real challenge to be able to keep to the deadlines and establish plans and timetables despite the setbacks and difficulties. It was an intricate job which required impeccable cooperation with suppliers, the client and our teams.

# 90,000

We used more than 90,000 m of cables for supply of the primary and secondary low voltage distribution.

# 127,500

Over 127,500 m of cables were installed to supply extra low voltage distribution.

# 1.6

We installed cooling systems with an overall capacity of 1.6 MW.



## About BK group

Based on years of experience, BK group brings its clients comprehensive and efficient solutions and savings in the field of building technology in compliance with EU and global standards. During its 20+ years of existence, the group has provided its services both in Slovakia and in foreign markets, primarily in Romania, Russia, Algeria, and Chad. BK group's customers include local and multinational companies operating in the residential and administrative, commercial, public, and industrial sectors.

We are building insiders. Our individual client approach, personal involvement, and pro-client thinking, along with an expertise in all areas of our specialisation, enable us to assume full responsibility and liability for our clients. This results in the provision of professional services and long-term, honest relationships with our clients. Thanks to our experience, accountability, and flexibility, we enable our customers to develop their core businesses at a faster pace.

Related documents can also be found at [www.bkgroup.info](http://www.bkgroup.info)

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