

TROX AIR-CONDITIONS THE LOUVRE

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On 8th November 2017, about a year after its grand opening, the Louvre Abu Dhabi was inaugurated by Sheikh Khalifa bin Zayed Al Nahayan, President of the United Arab Emirates. The museum, which maintains close relations with the Louvre in Paris, was built on the island of Saadiyat in accordance with a design by French architect Jean Nouvel.

The client chose the TCB-RB passive chilled beam from TROX for the important task of cooling the 24,000 m² administrative building in the desert climate of the Arabian peninsula. Developed and built in the UK, the TROX TCB-RB is a passive chilled beam designed to be installed under the ceiling and is available in various widths, heights and lengths. The air-water system is particularly suited for the dissipation of high thermal loads with low power consumption. Warm room air rises due to thermal buoyancy, is cooled by the heat exchanger, then slowly flows downwards again to the occupied zone. This guarantees a pleasant indoor climate with low airflow velocity.

For TROX, the contract in the Louvre Abu Dhabi is one of the first installations of passive chilled beams in the region and an important reference project. The need for optimum thermal comfort meant that expectations were particularly high when the contract was awarded. The recently inaugurated Louvre in Abu Dhabi is already known around the world. TROX UK supplied TROX Middle East with the passive chilled beams.

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