



FIRST MALL & HOTEL IN DUBAI ATOP A METRO STATION

Project:	Deira Waterfront Development
Location:	Dubai, United Arab Emirates
Requirements:	Cover the drainage pipelines installed inside the confined space underground and the Days Hotel included deep pile foundations to support extensions
Results:	PAL-AT 30C with AGW-Plus sensing cable
Completion Date:	October 2021

OVERVIEW

The Deira Waterfront Development Plot 4 - Days Hotel project consists of 131 rooms spread over a three-story podium, two office buildings from four to eight floors and a hotel of up to eight levels with an accessible rooftop area. Plot 4 was built on top of the existing construction of Palm Deira Metro Station. A state-of-the-art integrated transportation hub and the first mall in Dubai constructed atop a metro station. The unique retail concept is a wonder of engineering owing to its impressive structure and exceptional design.

MEP Contractor turned to PermAlert® to implement a fast response, intelligent, high-quality leak detection system to monitor the drainage pipelines installed in confined spaces underground for the hotels to the office buildings to prevent potential leaks, costly repairs, and disruption clients' businesses.

CLIENT REQUIREMENTS

Plot 4 of the Days Hotel included deep pile foundations to support extensions around the Deira Metro Station in Dubai, United Arab Emirates. Extensions of podium floors commence at the ground floor. A challenge for MEP Contractor was protecting their client investment by implementing a reliable leak detection system with minimal maintenance that could monitor leaks from the drainage pipelines installed inside confined spaces underground, which is very difficult to access. They required a solution that could provide an exact location in case of a leakage at the perimeter of the hotel and office buildings.



Liquid Leak Detection

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CASE STUDY

THE PERMALERT SOLUTION

PermAlert solved MEP Contractor's concern by providing the PAL-AT 30C leak detection system with AGW-Plus sensing cable underground drainage pipelines to detect early and avoid costly leak accidents for the Deira Waterfront Development project. The sensing cable is a rugged design impervious to dirt and dust, fast and accurate, and can detect conductive and non-conductive leaks. PermAlert was confident the complete leak detection system offered a fast-response time without generating false alarms, rugged durability, minimal maintenance, and monitor cables and probe sensor in a single control 24/7 were what convinced MEP Contractor to implement the system.



PAL-AT 30C Control Panel



AGW-Plus Sensing Cable

PermAlert provided a complete optimized turnkey solution to the MEP Contractor to monitor the office and hotel sections simultaneously and pinpoint the most invisible leaks and floods that trigger a possible leak alarm, with a location of that leak along that particular channel from remote areas and in a matter of seconds. In the end, the PermAlert's FM-approved liquid leak detection system could detect any leak in the underground drainage pipelines to prevent future leaks and ensure the impressive building structure of the Deira Waterfront is well-protected long-term.

When you partner with PermAlert, you are not just buying a solution for today; you are investing in a long-lasting, reliable leak detection system and the company that stands behind it. We work together to provide convenience, cost savings, and peace of mind from start to finish as your single-source partner.

PermAlert has been recognized as an industry leader for liquid leak detection systems since 1988. We design, manufacture, and service a wide range of leak detection systems for various applications. Our commitment to excellence and innovation allows us to deliver our clients the best and most reliable solutions.

PermAlert Leak Detection
Intelligent • Accurate • Reliable



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