PERMALERT®
FUEL SENSING SYSTEM
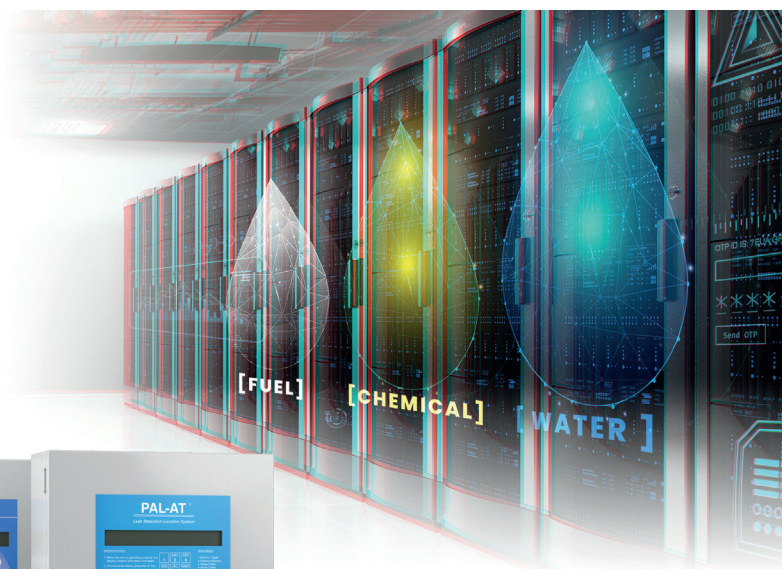
Protecting data centres since 1990

[FUEL]   [CHEMICAL]   [WATER]

While Covid-19 has driven the global economy to a significant downturn, it also led to the acceleration of digital migration that fundamentally altered our lives from online purchases, zoom business meetings, distant learning for kids, and rising telemedicine. The data centre's critical role in the rapidly growing and evolving digital ecosystems has been unquestioned in the past 10 months.

This digital content and computing growth are driving the Tier IV hyperscale data centres to become significantly more power hungry. But many emerging markets do not have a reliable power grid to ensure these massive digital infrastructures maintain maximum uptime. Countries like India and the Middle East are heavily dependent on diesel generators as a back-up power system. A well-designed fuel management system with fuel leak detection is key to ensure the back-up power system is operating optimally and is always ready on demand.

Not only is fuel leak detrimental to the back-up power system readiness, it also presents a major life safety and environmental risk if not addressed promptly. Whether it is a small pinhole leak or massive leak from a fuel storage tank, the data centre operator demands immediate and accurate detection of these leaks to ensure expeditious resolution to prevent a catastrophic outcome. PermAlert Leak Detection System with the fast-reacting AGW-Gold sensing cable is designed specifically to meet these demands. As one of only two manufacturers that meets the stringent standard of 30 seconds fuel sensing response time certified by FM Global (FM7745), PermAlert Leak Detection System is widely used in fuel storage applications.

The highly flexible design of PermAlert Leak Detection System allows for remote monitoring of the entire fuel management system for leaks from fuel storage tanks, day tanks, fuel supply/return pipe, and the generator itself. With the industry only panel capable of monitoring up to four sensing channels simultaneously, the

PermAlert Leak Detection System can monitor any liquid in the data centre, including water, chemical, and fuel. The standard built-in ModBus and BACnet protocols with each panel allow for ease of BMS integration. The PALCOM software platform provides unprecedented ease for remote access, configuring and monitoring multiple control panels across geographically dispersed locations.

The bottom line is, PermAlert has been providing reliable leak detection solutions for the data centre industry since the early dot com era. With our global locations across the United States, Canada, United Arab Emirates, Saudi Arabia, Egypt, India, and many certified partners in Europe and Asia, we are now a trusted partner by many established operators worldwide. We are excited to continue developing solutions to meet the evolving demand in this space.

CONTACT PERMALERT:
+1 847 966 2190
permalertsales@permalert.com
www.permalert.com