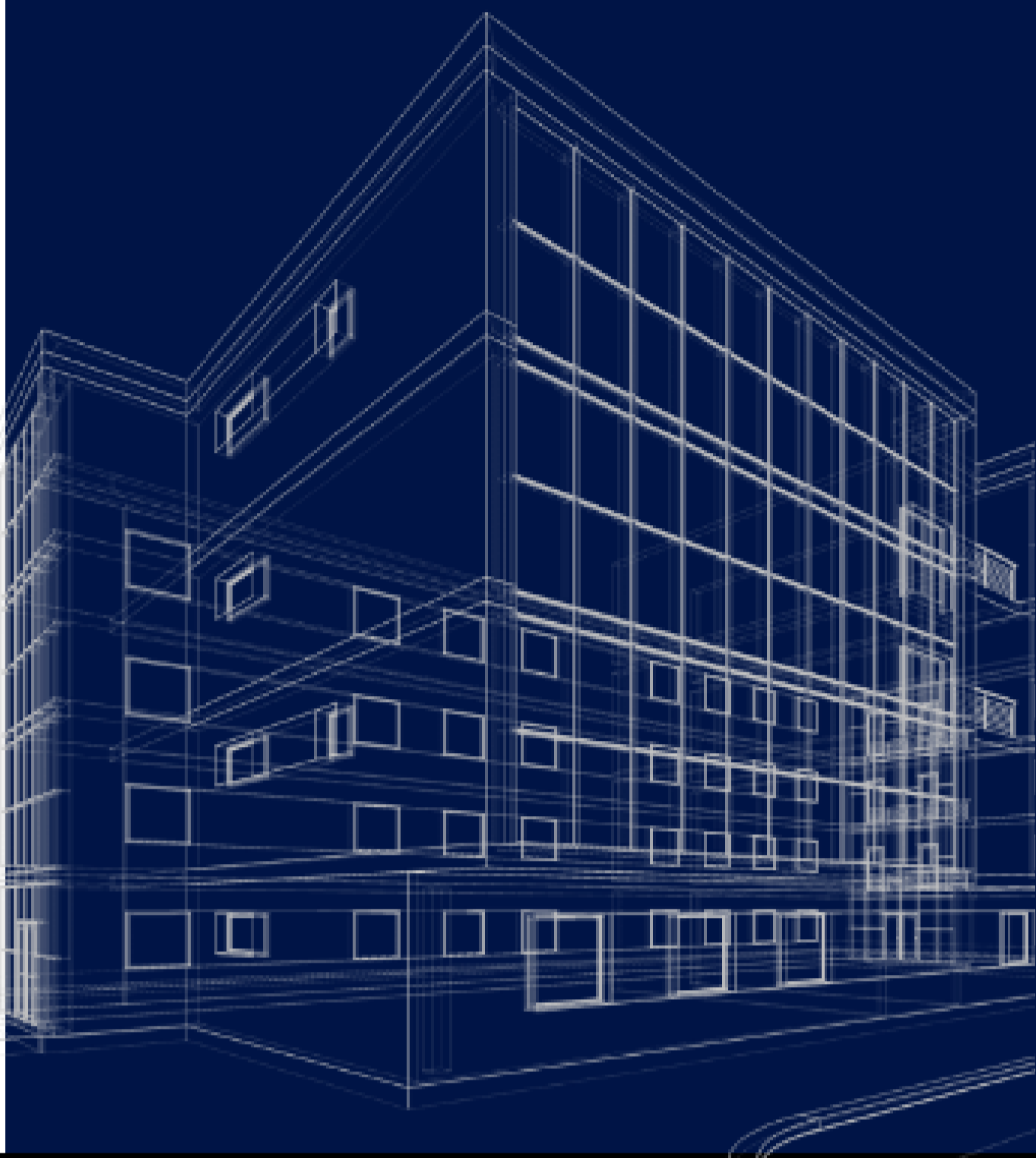




See How A Historic Building In San Francisco Prevented A Two Block Power Outage And A \$100K Damage Event

A prominent mixed-use complex, widely regarded as the first successful adaptive reuse project in the nation, boasts a rich history that spans over a century and encompasses three continents. The property has been under the management of a well-known real estate investment and management company since 1982.

<p>ASSET TYPE</p> <p>Mixed-Use</p> <p>ASSET CLASS</p> <p>National Historical Register</p>	<p>UNIT COUNT</p> <p>53</p> <p>YEAR BUILT</p> <p>1858</p>	 <p>PRODUCT & MARKET Historic Landmark</p> <p>KEY TEAM MEMBER Associate Director, Development & Construction</p> <p>PROPERTY LOCATION San Francisco, CA</p>
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What did this historic landmark hope to achieve by deploying Kairos?

CHALLENGES

Prolonged periods of heavy rainfall led to a substantial amount of water flooding into the primary switchgear room of a well-known city square, which is home to various businesses, restaurants, and retail outlets. This unfortunate incident had a significant impact on the electrical infrastructure of the area, causing a power outage that affected two entire blocks. This occurred 3 times over the span of 8 months. Each occurrence of flooding resulted in substantial damages to the electrical systems, with repair and restoration costs reaching approximately \$50,000 each time. The repeated instances of flooding and the subsequent power outages led to mounting concerns among the businesses operating within the affected area, as well as the residents who rely on the services provided by these establishments. The substantial financial burden associated with the damages, coupled with the inconvenience caused to the local community, highlighted the urgent need for measures to prevent future flooding and mitigate the risks associated with heavy rainfall in the area.

OBJECTIVES

Enhance leak detection capabilities: Implement Kairos' leak detection tape in strategic locations to identify potential water leaks promptly and accurately, preventing damage to electrical equipment and reducing the risk of power outages.

Optimize monitoring coverage: Install LoRaWAN gateways in multiple high-risk areas to ensure comprehensive and efficient monitoring of the entire facility, including electrical switchgear rooms and other sensitive locations prone to water damage.

Enable proactive maintenance: The integration of leak detection tape and LoRaWAN gateways will provide real-time insights into the facility's condition, enabling the maintenance team to take proactive measures and address potential issues before they escalate.

How did this historic landmark benefit from Kairos' asset protection?

RESULTS

Within just one month of implementing the leak detection system, a total of three leaks were successfully detected and addressed. This included two critical leaks that occurred within the switchgear rooms. The timely identification and resolution of these leaks **prevented potential damage estimated between \$75,000 and \$100,000**. These savings can be attributed to the rapid response of the maintenance team and the effectiveness of the installed leak detection technology in identifying potential issues before they escalated.

The significant cost savings and damage prevention achieved within such a short period resulted in a remarkable return on investment (ROI) for the leak detection system. In **just one month**, the facility experienced a **750% ROI**, demonstrating the substantial value of investing in proactive leak detection and monitoring solutions. This impressive ROI highlights the effectiveness of the implemented technology in safeguarding the facility's critical infrastructure, minimizing downtime, and reducing the financial burden associated with potential water damage.

 **3 Leaks**
WATER EVENTS DETECTED

 **\$100K+**
ASSET DAMAGE PREVENTED

 **1-Mo.**
TIME TO ACHIEVE ROI

 **0 Claims**
CLAIMS SINCE DEPLOYMENT