

Tenant Experience Solution for a City Precinct in Qatar




Qatar has effectively integrated smart technologies across various sectors, including transportation, healthcare and infrastructure. Smart transportation systems have streamlined traffic management and improved public transportation efficiency. Qatar's infrastructure is equipped with automated building management systems and smart grids, promoting energy efficiency, enhancing daily life and resource management, and has positioned the country as a technological innovator.

PROJECT OVERVIEW

110 multifunctional buildings at the core of Doha, featuring retail, commercial, residential, entertainment, and educational facilities, all functioning independently, required connection and collaboration. The project involves the seamless integration of 15 diverse systems, encompassing infrastructure, building automation, security, safety, command and control, security control rooms, and Facility Management hubs.

A key objective is to achieve significant manpower reduction, ranging from 30% to 80%, by implementing Intelligent Process Automation, enhancing operational efficiency across the precinct.


KEY NUMBERS



110
buildings in the heart of Doha



15
different systems integrated



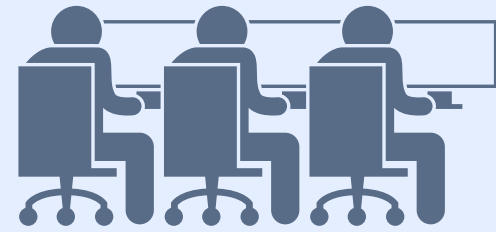
30% -80%
reduction in manpower

SOLUTION



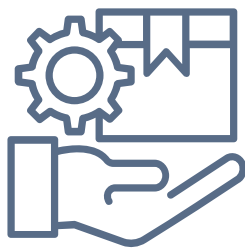
Systems Integration

By integrating **15 disparate systems across the precinct, including infrastructure, building automation, security, and safety**, this solution seeks to create a seamlessly interconnected ecosystem that optimises resource utilisation and enhances overall efficiency.



Command & Control Centre

The state-of-the-art Command and Control Centre and Security Control Rooms will **serve as nerve centres, ensuring real-time monitoring and response capabilities**, thereby bolstering safety and security within the precinct.



Facilities Management Hubs

The introduction of Facilities Management Hubs will **further streamline operational aspects**, guaranteeing that the **precinct remains well-maintained and operational**.



Intelligent Process Automation

Intelligent process automation reduces manpower needs and provides **continuous improvement of energy management and maintenance practices**, fostering a sustainable urban environment.

RESULTS & BENEFITS



- Enhanced safety and security for residents, visitors and assets.
- Increased energy efficiency/sustainability through intelligent automation.
- Improved operational efficiency with centralised monitoring and control.
- Reduced operational costs and manpower requirements.
- A dynamic, modern mixed-use precinct that attracts residents and businesses.



Qatar is committed to clean energy, smart transportation and eco-friendly logistics with the electrification of the public transportation system underway and set to be fully e-powered by 2030. (The Peninsula Qatar, January 2022).