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City Digital Twin

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Digital Twin Campus



CUSTOMER REQUIREMENTS

- Closed work order system
- Monitor asset performance
- Visualize the campus environment, conditions, and assets for efficient communications



OUR SOLUTION

- Simulation of campus environment with sensor and system integration
- Mobile App On-the-Go to perform office functions



CLIENT BENEFITS

- Improve occupant comfort and space utilization
- Cost savings on lighting and HVAC
- Enhance productivity when work has to be done remotely

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Chiller Plant

Chiller Plant Recommendation

Chiller	Cooling Tower	Chilled Water Pump	Condensing Water Pump
LC01 - ON	CT1 - OFF	CHP1 - OFF	CHP1 - ON
LC02 - OFF	CT2 - ON	CHP2 - OFF	CHP2 - OFF
LC03 - OFF	CT3 - OFF	CHP3 - ON	CHP3 - OFF
LC04 - ON	CT4 - OFF	CHP4 - OFF	CHP4 - ON

Scheduled Maintenance Activities

- 13:00 Water Cooled Chiller - Monthly Maintenance
- 14:00 Heat Pump - Monthly Maintenance
- 15:00 Water Cooled Chiller - Monthly Maintenance
- 16:00 Heat Pump - Monthly Maintenance
- 17:00 - 18:00 Cooling Tower - Bi-Monthly Maintenance
- 19:00 - 21:00 Automatic Control System - Quarterly Inspection

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Office



Campus



Industry

Campus Control Center

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CUSTOMER REQUIREMENTS

- Cater the increasingly complex operational challenges of campus in building space, energy efficiency and mobility
- Leverage the data campus generated to optimize efficiency



OUR SOLUTION

- Comprehensive monitoring of the available systems by an overarching control center
- Enabling a holistic, real-time campus view with extensive control options
- Integrate and operationalize data with meaningful analysis



CLIENT BENEFITS

- Accelerate and improve decision making, as well as prevent unexpected malfunctions with data
- Enhance efficiency, amenity, and security of campus life
- Generate insights and optimize the systems that support urban living



Campus



Cities



Hospitality



Mobility



Airport

CONTACT

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