LTIM's Smart Spaces

The journey towards Smart building transformation

What are we solving?

Challenges

- Need for a single window to smartly connect, manage the single and multiple buildings
- Smart and secure connectivity from multiple sensors, buildings to central platform
- Lack of central system for Facility ground team for operations
- Enable Leadership with business intelligence driven by data for actionable insights with functional, operational data at single platform
- Need for improvement in Building performance
- Energy goals towards achieving Energy efficiency and savings energy and cost
- Global Urge towards climate change, international building compliance codes to operate sustainably by managed energy, water and other resource demands, emissions

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Elevator





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Leverage investment in systems like

BMS, CCTV, Access control, BIM 360

Chillers

Energy

Meters

Better collaborate using Cloud, Mobility,

IoT Sensors, AR/VR Technologies

Diesel

Engines

AHUs

Smart Spaces Solution Accelerator



Smart Campus and components

- LTI Smart Campus program's vision is to modernize the campus experience while leveraging it to drive Energy and operational efficiency
- Bringing all functional, operational systems, Business analytics into one platform with next-gen technologies
- Key focal point is to deliver an amazing, intuitive user experience that is innate and persona-centric
- The solution is built to be Modular, adaptive, Flexible and intelligent
- In a broad horizon, we have classified the solution into 3 components based on the user group and services as Smart Facility, Smart Habitat, Smart Factory.





Transforming User experience to serve the needs of today's and tomorrow's campuses. It can improve three important factors: experience, efficiency, and Productivity.





Energy Efficiency - Approach and Maturity Level



C LTIMindtree

How : Operationalize continuous optimization of energy

Approach, Framework, Tools & Accelerators



Optimize Building Energy Efficiency



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LTI "Smart Facility" – Enhanced Energy Efficiency



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Reference Architecture

Smart Campus Architecture



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