



Let's Solve



A Larsen & Toubro
Group Company



Case Study

Reducing overrun costs through energy efficiency solution using Industry 4.0 standard

The client is a US-based multinational corporation that develops medical devices, pharmaceuticals, and consumer packaged goods.



Business Challenges

The challenges involved in building a comprehensive energy management system for the client's facilities included:

- ☑ Limited availability of electrical circuit design made energy consumption tracking difficult
- ☑ Assets were spread across multiple buildings at the manufacturing site, making it difficult to monitor and analyse energy profiles
- ☑ Unmonitored energy consumption at a granular level led to wastage and energy cost overruns
- ☑ The absence of dedicated energy measuring devices made it difficult to segregate energy consumption within facilities
- ☑ The unavailability of updated electrical drawings made it challenging to trace electrical supply for machines and facilities

LTI Solutions

Connected multiple assets to gather energy data after careful assessment of Internet of Things (IoT) based Wi-Fi sensors and smart meters

Enabled real-time collection of energy consumption data using Wi-Fi-enabled sensors

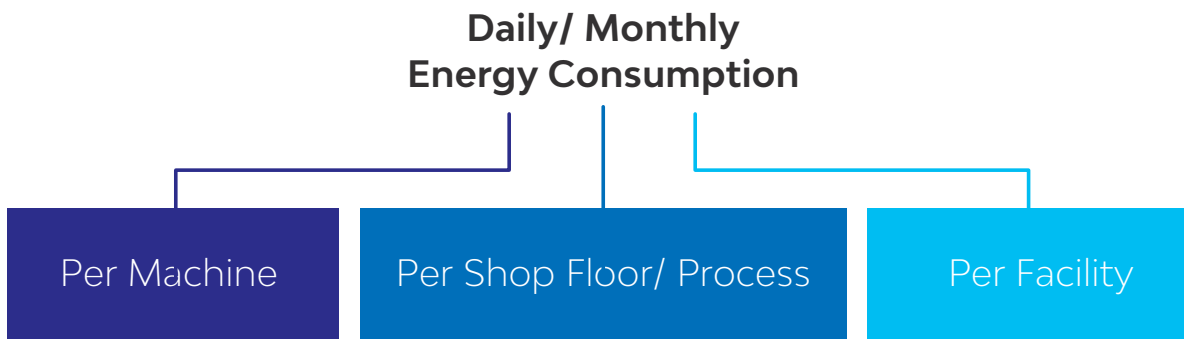
Ensured reliability and completeness of data captured and provided alternate methods of collecting data in case of sensor malfunction

Generated an energy profile through data collected and segregated energy usage on asset, process and facility level

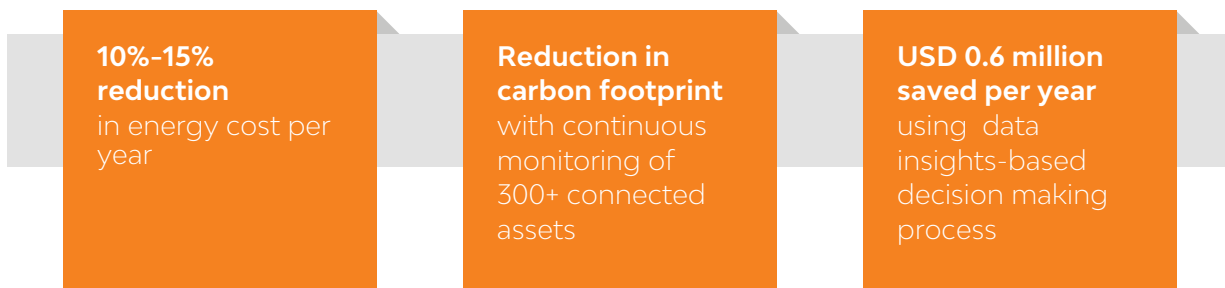
Designed and implemented a descriptive analysis to provide intuitive dashboards with actionable insights for cost savings

Installed alarms that warned of high energy consumption from over usage, unattended maintenance schedules and operational inefficiencies in the system

KPIs Monitored



Business Benefits



LTI (NSE: LTI) is a global technology consulting and digital solutions company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 33,000 LTIites enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Ltinfotech.com> or follow us at @LTI_Global.