



Energy and Sustainability Manager

Driving Energy Efficient and Sustainable Manufacturing by Digitalization

Energy and sustainability management is not just reporting and monitoring

Secure your sustainable future by going beyond

When it comes to energy management, most manufacturing organizations try to optimize energy consumption and track their sustainability goals by taking a reactive approach. While today's shop floors are empowered with IoT-enabled sensors and real-time data acquisition techniques, the actual auditing is still not proactive. In this climate, responding to issues after they occur may lead to higher direct expenses and significant fines from regulatory authorities.

Scale your energy and sustainability goals with **Energy and Sustainability Manager**

Take advantage of our holistic energy management solution that introduces proactive auditing into your energy and sustainability strategy. Go beyond evaluating information; perform definite assessments that offer actionable insights to enable optimized consumption of energy. Energy and Sustainability Manager's comprehensive plant asset modeling puts compliance at the center stage. The solution helps you in forecasting energy need, track consumption & KPIs, and compare performances to deliver on your goals. Through an integrated, compliance-driven approach, Energy and Sustainability Manager will help you accomplish energy cost savings of up to 10-15%.



Embed compliance within your DNA

- Embrace scalability, flexibility, and agility
- Forecast and align policies accordingly
- Establish visibility of green energy v/s traditional energy
- Avoid statutory penalties
- Benchmark and compare losses



**50000
and
50001**

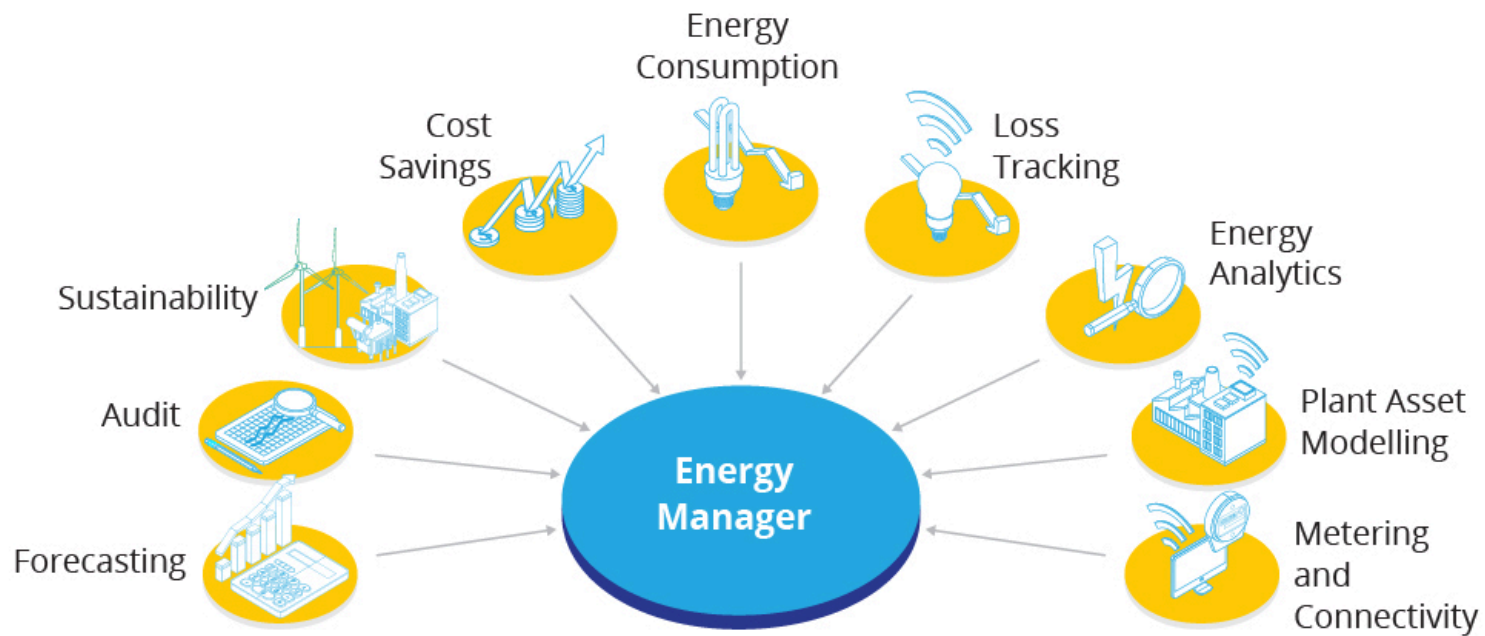
ISO
compliant

10-15%

Year-over-year
cost savings

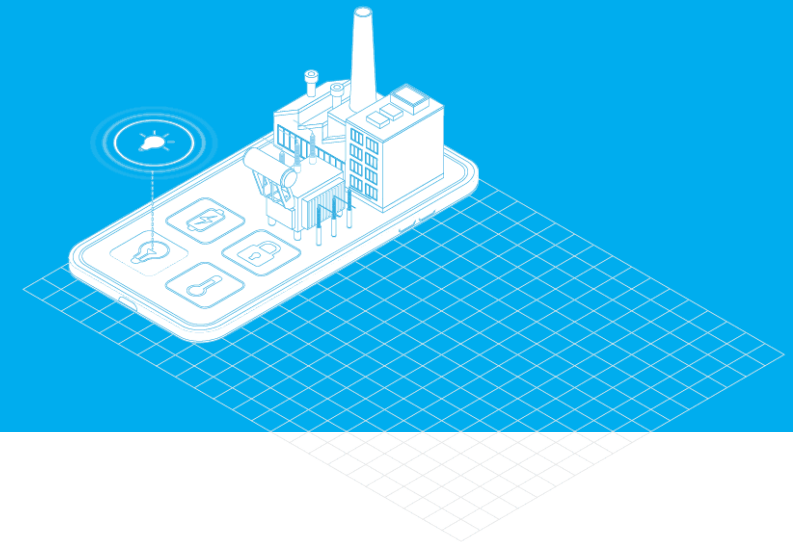
1-2 unit

Savings in each
energy category



Plan-do-check-act

Build an appropriate strategy for your factory with our compliance-driven solution. Energy and Sustainability Manager analyses the lowest possible cost of operating various equipments before suggesting any action plan. This gives you the much-needed decision-making prowess in energy management.



Adoption across industries



Scaling energy management across manufacturing operations

Reduced water heating requirement by 50%

For major F&B client, natural gas consumption was reduced by 200 lb/hr, limiting CO2 emissions and expenses.

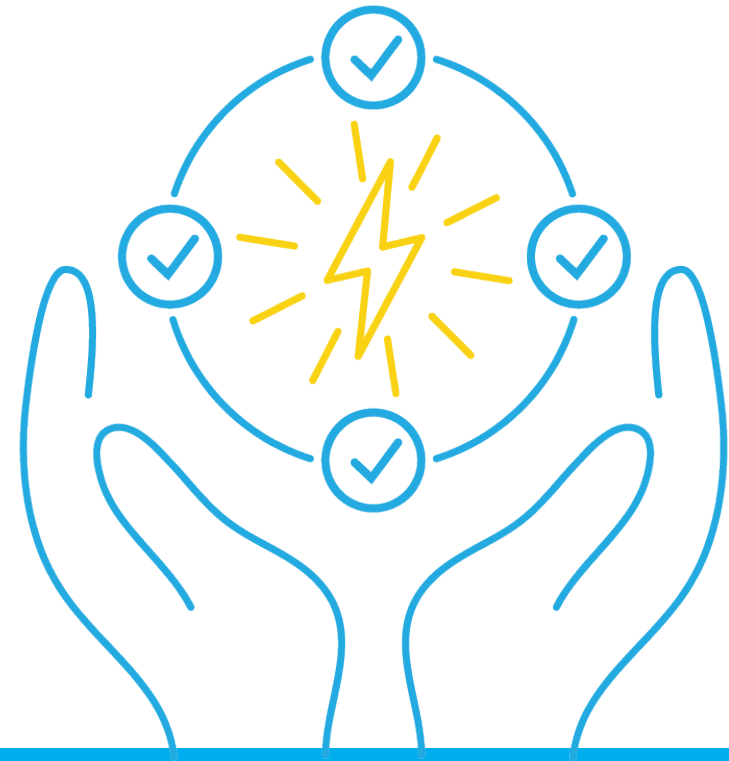
Decreased OPEX costs of W.A.G.E.S. usage by 20%

For a major Latin American F&B client, Energy and Sustainability Manager identified potential energy savings of 20% across three plants.

Drive sustainability with better decisions

With Energy and Sustainability Manager, you can drive energy savings across plants and equipment types. You can also track discrepancies in energy consumption, analyze, and uncover hidden savings.

In addition, you can track and control GHG Emissions Scope 1, 2 & 3, Water Consumption and other key plant level Sustainability Indicators.





Energy and Sustainability Manager

Driving impact for a F&B Major

Business Need

To implement an energy-efficient process and reduce overall energy consumption.

A food and beverage manufacturer required to prioritize the implementation of energy-efficient processes through the reduction of resource consumption, usage of green energy, and compliance with environmental mandates. Effectively reducing overall energy consumption required company-wide commitment with visibility into resource utilization across energy categories such as water, air, natural gas, electricity and steam to improve the energy efficiency, compliance with statutory regulations, saving on energy cost and achieving net-zero carbon emission.

In such a scenario, the Energy and Sustainability Manager by LTTS became the solution of choice for the F&B major - which provided planning and scheduling tools to help the company to optimize energy use and supply, and reporting tools helped in monitoring energy consumption, costs, efficiency and other energy-related information.

The Energy and Sustainability Manager solution is comprehensive compliance and standard-driven solution that helped track energy losses across plants. The goal of Energy and Sustainability Manager is to sustainably reduce energy use throughout a business and provides visibility into utilities and plant equipment to drive decision support in energy management.

Energy and Sustainability Manager addressed the challenging and manual process of identifying corrective actions and provided definitive assessment, actionable insights and control over the entire plant's energy management. It helps track consumption & KPIs, compare/benchmark performances, forecast energy needs, audits driven initiative tracking and enables closure of non-compliances.

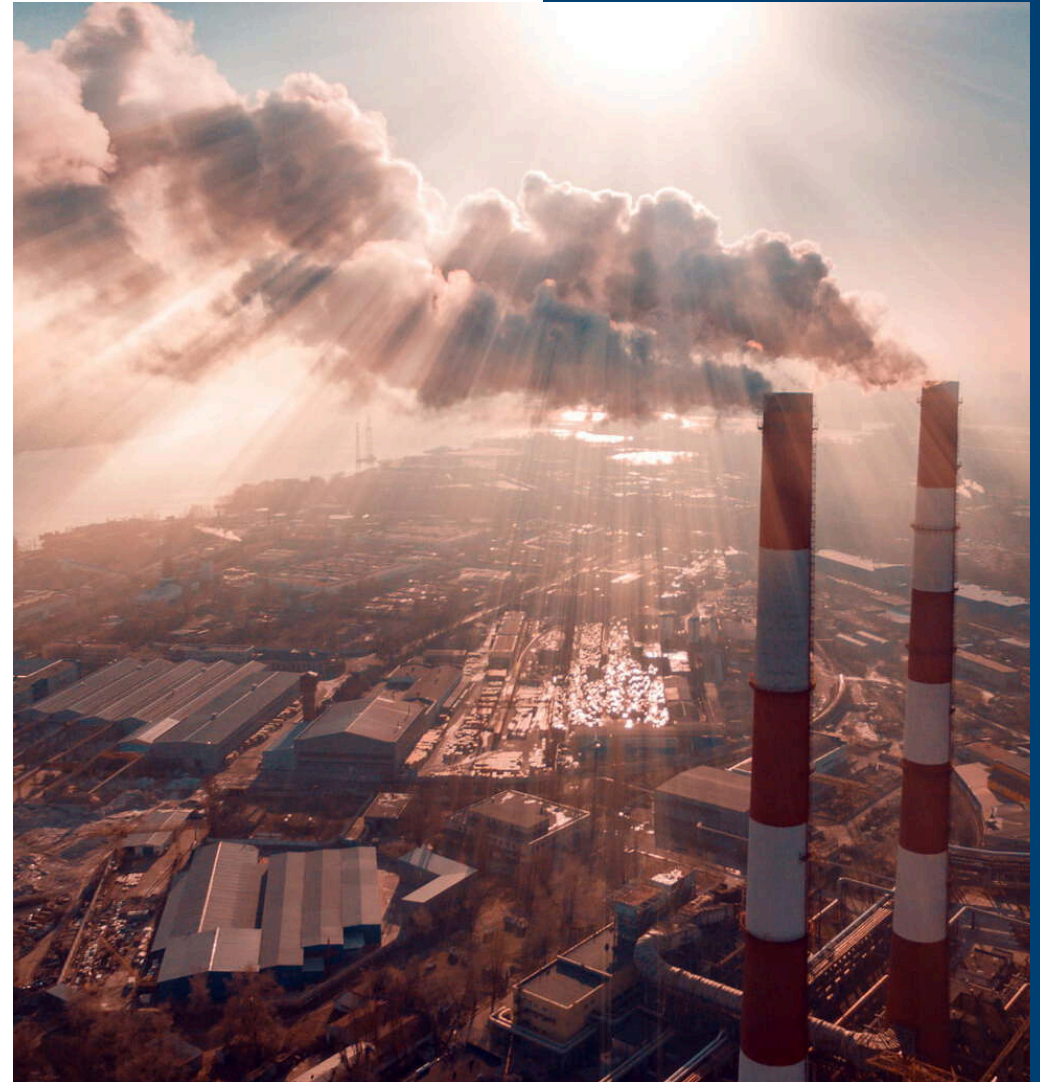
Built on ThingWorx and Kepware, the state-of-the-art Energy and Sustainability Manager solution can connect to various equipment including meters, PLCs, SCADA, historians and capture accurate energy consumption data in real-time. It also enables siloed systems to connect and collect information such as the cost of energy and production plans for forecasting energy needs.

The future of energy management demands greater flexibility in accessibility, access to data anywhere, anytime and on any device, boost user experience, disaster recovery and ease of collaboration. Energy and Sustainability Manager by LTTS can be deployed on cloud infrastructure, thereby helping manufacturers achieve greater benefits.

Social and Environmental impact

With the help of the Energy and Sustainability Manager, LTTS helped the F&B major in achieving environmental compliance and standard in accordance with ISO 50000/ 50001. The implementation also ensured that the environmental goals were observed across the organization.

Although traditional methods of managing manufacturing plants are still available in the market, LTTS' solution helps companies to remain sustainable, successful and competitive.





Business Impact

Implementation of Energy and Sustainability Manager also resulted in remarkable impact for the F&B major and resulted in:

- Cost savings to the tune of YoY 10-15%
- Development of new capabilities to track & eliminate loss and inefficiencies
- Ability to compare and benchmark similar equipment/ area/ plant consumption
- Elimination of compliance-related non-conformities/ penalties
- Forecast and align policies accordingly
- Improve GRI and Integrated

In addition, the implementation of Energy and Sustainability Manager resulted in significant business innovations, disruptions, and transformations that helped the F&B major to:

- Conversion of audit into PDCA (a requirement for ISO 50000/ 50001) cycle
- Transformation of energy management as integrated plant activity managed by each department (not limited to sustainability managers)
- Bringing Energy initiatives to board room for corporate reporting

Collect, store, analyze, and report all your Energy & Sustainability Goals with our compliance driven and analytics enabled solution

Fill this form and an expert from our team will get in touch with you



ENGINEERING THE CHANGE