

ISS enhances Energy Management comprehensive solutions to assist cooperations in achieving sustainability targets

2 years ago



ISS, the world leading workplace experience and facility management company, further optimised the Energy Management solutions as part of its Technical Services in China. Through Energy Consultancy and Optimization, Technical and Capital Projects, and Daily Operation supported by Site Teams, ISS China aims to help clients meet specific business needs, increase efficiency and minimize costs while championing a sustainable workplace.

“Effective Energy Management is of increasing importance for the success of enterprises. It is not only resulted from the demand for energy conservation and emission reduction to reduce operating costs in the rise of energy prices, but also a result of many enterprises taking rapid and firm actions to implement their own goal of ‘carbon neutrality’ in active response to global climate challenges. In partnership with our clients, ISS Energy Management services is built on daily Facility Management services to improve asset efficiency, reduce operating costs, and achieve their sustainable goals”, says Cindy Wang, CEO of ISS China.

From evaluation, data collection, analysis and strategy provision, to implementation, optimization, and verification of results, ISS provides comprehensive Energy Management solutions to ensure the operational reliability of assets. To better control energy costs, reduce human-operation stress levels, and support the client’s sustainability agenda, ISS China Energy Management solutions include:

- Energy Consultancy and Optimization – based on monitoring, tracking, analyzing, and diagnosing

energy emissions of buildings and workplaces, ISS first identifies the potential for energy conservation. Then, ISS makes recommendations for energy optimization to customers and assist in their renovation projects. Thanks to its familiarity with the customer's workplace, ISS can offer strategies to reduce carbon footprint and drive cost savings considering the overall situation to improve the workplace experience while effectively managing risks.

- Technical and Capital Projects – benefiting from the existing Technical Services and Project Management services with global best practices, ISS can offer energy-saving measures covering 8 major energy systems including water systems, HVAC systems, boiler and steam systems, building management systems, and compressed air systems to help customers reduce energy emissions and cut carbon footprints.
- Daily Operation supported by Site Teams – through statistical analysis of energy consumption data, energy efficiency trend analysis, abnormal tracking and handling, and emergency management of energy systems, on-site ISS staff are trained to actively pay attention to reduce energy consumption and continuously look for improvement opportunities. The daily energy consumption management focuses on planning, execution, statistics and analysis to minimize the suspension and failure of asset, ensure the stable operation of critical production facilities and equipment and meet the client's operation and maintenance needs.

Under the direction of its key account strategy, ISS is helping a global banking client to implement a building energy optimization project, with plans to achieve over 100 GWh of energy savings for over 70 sites in 11 countries within 5 years. The ISS Energy Management team has adopted Sustainability@ISS, an automated approach for data collection and analysis to identify energy-saving opportunities. In the first 10 months of the project, ISS has helped the customer achieve more than 4GWh of energy savings, which, at current rates, is equivalent to more than \square 1 million in costs.

Liu Houyou, Head of Technical Services at ISS China, talks about the service outlook in China: "Since China's launch of 'carbon peaking by 2030, carbon neutrality by 2060' in 2020 which leads to policy support, market favor and industry attention, many customers have put forward specific energy management needs which requires a green, smart and efficient approach. For example, we have assisted a famous global manufacturing enterprise in improving energy efficiency and reducing energy consumption with air distribution energy saving solution by replacing the belt-driven fan with EC fan. In another case, ISS has reduced 20% energy consumption for a leading pharmaceutical enterprise by adopting AI control modules to transform high-efficient generator rooms in cooling station, providing energy audit services with detailed solutions for energy conservation and carbon emission reduction."

Many of the ISS customers have diverse demands for energy management solutions due to their large scale with operation sites in various locations. Thanks to a global platform, extensive supply chain, various project delivery experience and its professional Technical Services teams, ISS can proactively identify the pain points during site operation and develop self-delivery solutions for customers with reasonable budgets to help save energy consumption and support their sustainability agenda.