

Reduce building energy use and CO2 emissions

TCS Clever Energy™



Energy and emissions optimization challenges

Limit progress on sustainability goals due to disparate vendor systems & lack of visibility

Energy anomalies and inefficient operation increase cost and affect profitability

Critical equipment failure during business hours impacts customer comfort and productivity

Reduce building energy use and CO2 emissions

TCS + Azure + IoT

Award winning TCS Clever Energy™ solution managing more than 75+ Million Sq. ft globally is powered by IoT and cognitive intelligence facilitating organizations to optimize energy and reduce GHG (Green House Gases) emission and meet their financial and sustainability goals. In-built analytical models & Energy Digital Twin Setup enables organization to integrate disparate systems to take faster decision to become energy efficient and drive net zero emissions.

Optimize energy across buildings and locations



Carbon Neutrality

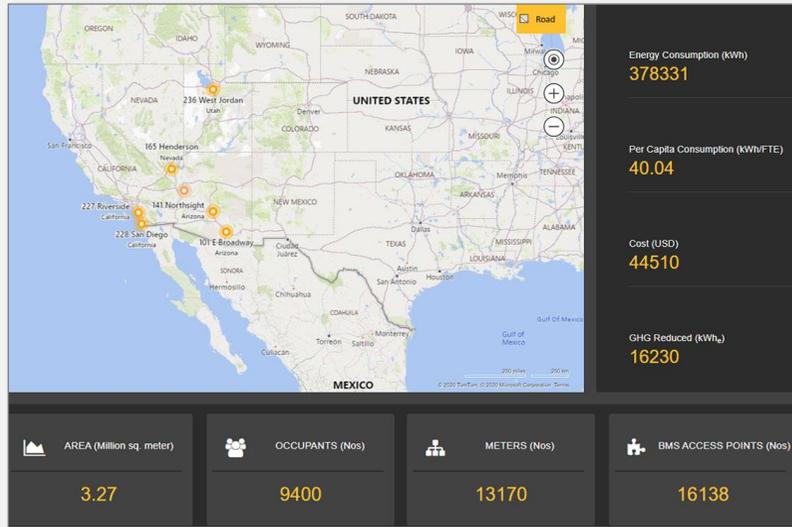
Work towards your sustainability goals with better insight and optimization of your energy usage and carbon emissions

ROI

Get a quick return on investment in less than a year with deployment in as little as 8 weeks and TCS global experience

Savings

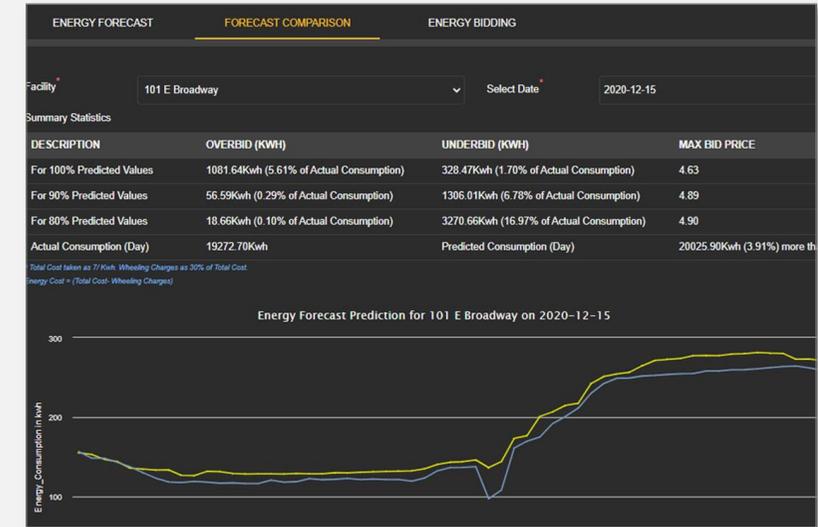
Lower energy costs by 8 to 15 percent YoY through better energy management and decision support



Summary dashboard with map, pins for buildings, KPIs & emission tracking across the portfolio



Energy Digital Twin performs coefficient of performance analysis across multiple systems



Energy forecast & Prediction to support Time of day tariff, Demand response Peak demand and bid analysis

Optimize energy across buildings and locations

Built on Microsoft and Azure technologies

Aggregate, analyze and react in real-time



Integration to
speed data into
cloud



Storage to scale
without latency



Visualization to
surface insights



Analytics to
predict and
plan



Security to
protect data

Group CFO, Middle East Retailer



TCS Clever Energy leverages the power of cognitive technologies like IoT, Edge & Artificial Intelligence to improve energy efficiency and reduce carbon footprint. We have implemented this solution across our retail stores, warehouses, offices and malls and have started realizing the energy savings. This step goes a long way in meeting our Group's sustainability targets and expanding our clean energy goals, which in turn helps us become more cost-competitive and innovative as a business.

Start improving your operation with IoT



Contact us to discuss how we can help:

TCS.IoT@tcs.com

Learn more about our IoT and Azure solution:

<https://www.tcs.com/energy-management-solution>



About TCS

TCS is a global pioneer among IT companies and has offered a consulting-led, integrated portfolio of IT & IT-enabled services for 50+ years across all major geographies through the unique, 'Global Network Delivery Model™'. The model leverages time zone, language, skills and local business knowledge to deliver high quality solutions across the globe, 24/7 with a globally connected workforce, seamless integrated delivery processes and through multi-tiered infrastructure.