

Alibaba Cloud SaaS Product for Sustainability and Energy Management

Digital Innovation Solutions Drive Green and
Low-Carbon Development

Energy Expert

Support

- P (Public Service Sector)
- B (Enterprise)
- C (Community)

Move towards carbon neutral with technology and innovation.

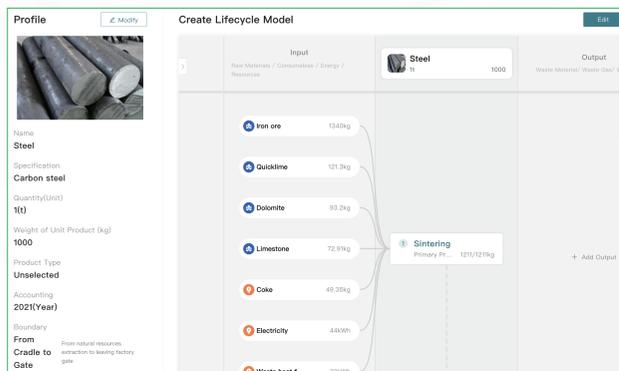
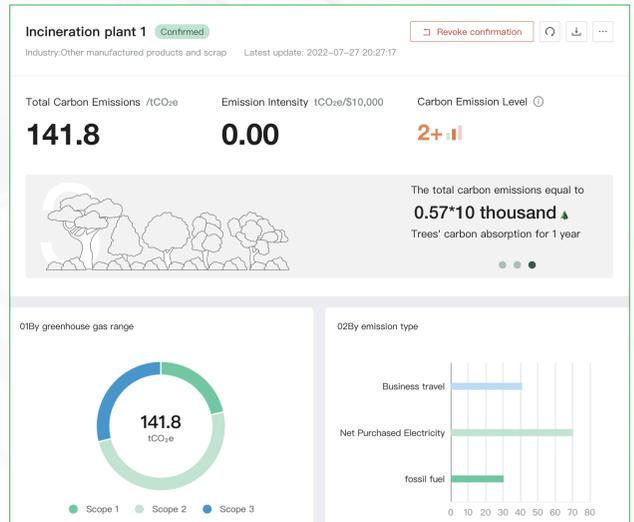


A Comprehensive Solution for Carbon Neutral Strategy Implementation

01

Scientific and Reliable Carbon Emission Accounting

Energy Expert helps quantify greenhouse gas (GHG) emissions and removals at the organization level by integrating GHG emissions and carbon neutrality standards, including ISO 14064 and PAS 2060. With embedded GHG emission factor datasets and guidance, Energy Expert can generate online reports for organization-level GHG inventories and prepare for verification.



02

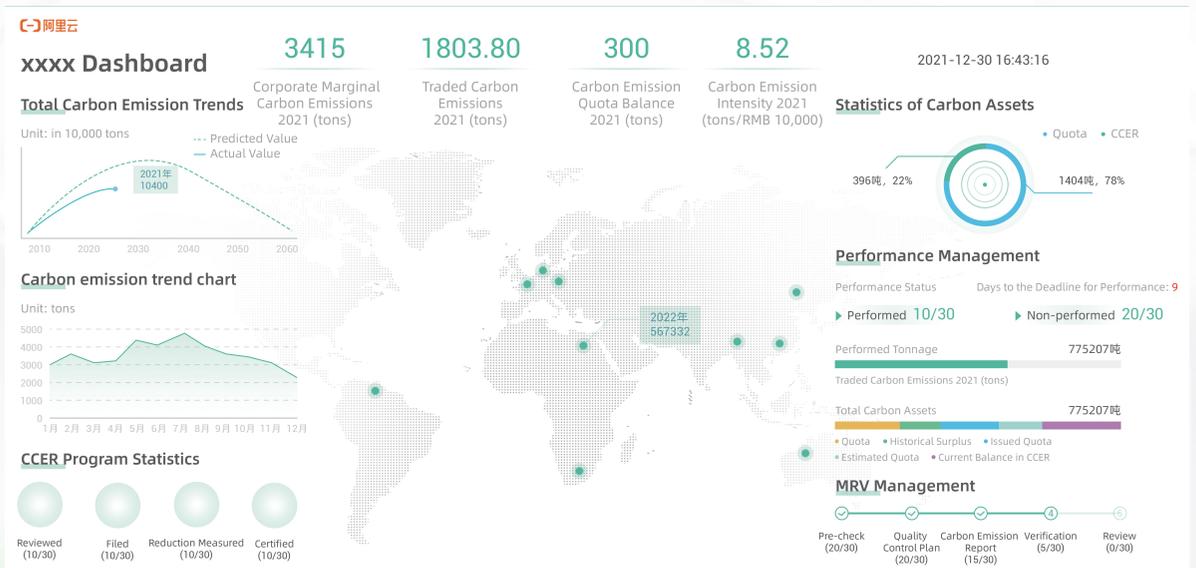
Easy-to-Measure Product Carbon Footprint

Energy Expert provides an online modeling tool to help quickly identify GHG emission sources from input-output-based life cycle assessment of the product. It also incorporates multiple mainstream carbon footprint databases, (such as the ecoinvent database, ELCD, CLCD, and CPCD), to generate product carbon footprint reports based on the product supply chain.

03

Transparent Carbon Neutrality Path Management

Based on the carbon emission status of enterprises, Energy Expert provides carbon neutrality goal management and carbon emission reduction project management features to help enterprises clearly understand the estimated results and current progress of carbon emission reduction projects. Energy Expert also provides carbon offset solutions.



04

Widely Applicable Low-Carbon Community

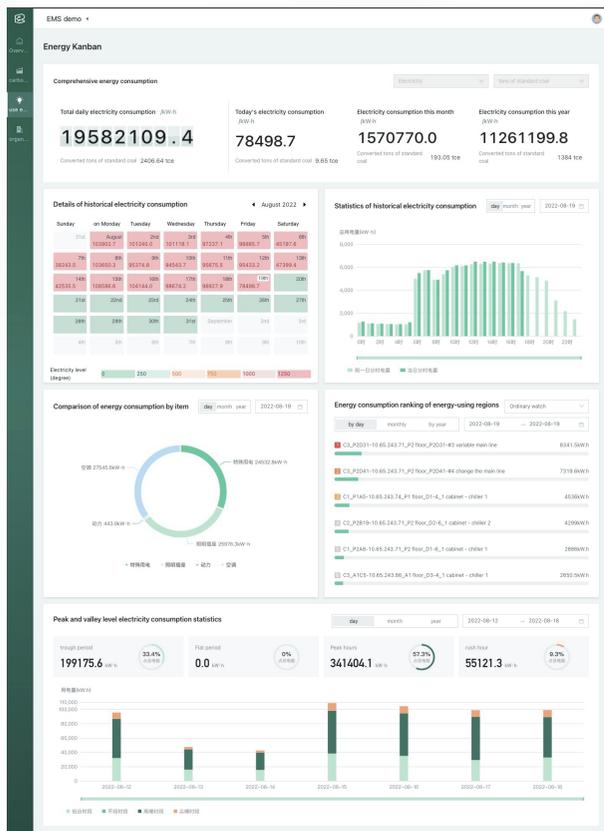
Integrate low-carbon education, living, benefits, charitable activities, utility services and operations. It introduces behavioral science and digital technology to promote voluntary emission reduction of each individual and increase social inclusion with carbon reduction benefits.



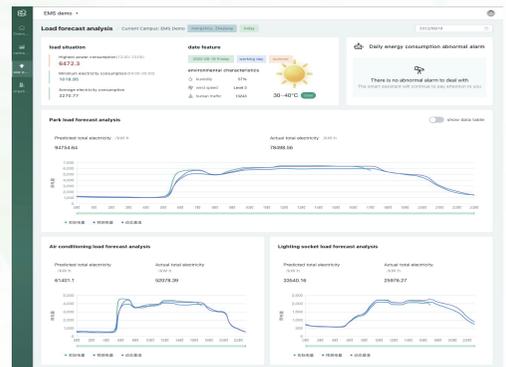
Energy Management for Organizations

Energy Management mainly includes:

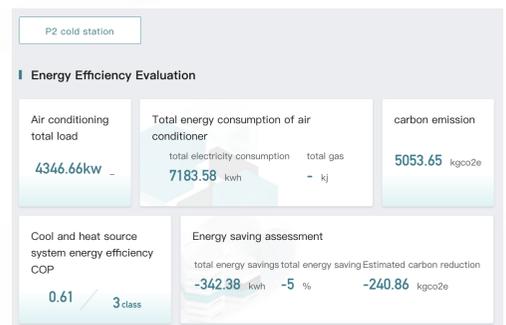
- An air-conditioning energy saving solution, that helps enterprises reduce energy consumption;
- Comprehensive energy management that helps enterprises optimize the use of different energy sources, significantly improving the utilization rate of renewable energy;
- Using unsupervised learning of videos to give organizations an integrated overview of its energy management network status, which can help organizations reduce labor investment, improve the efficiency of operation and maintenance management, and avoid operation and maintenance oversight caused by human error.



Energy Consumption Analysis Dashboard

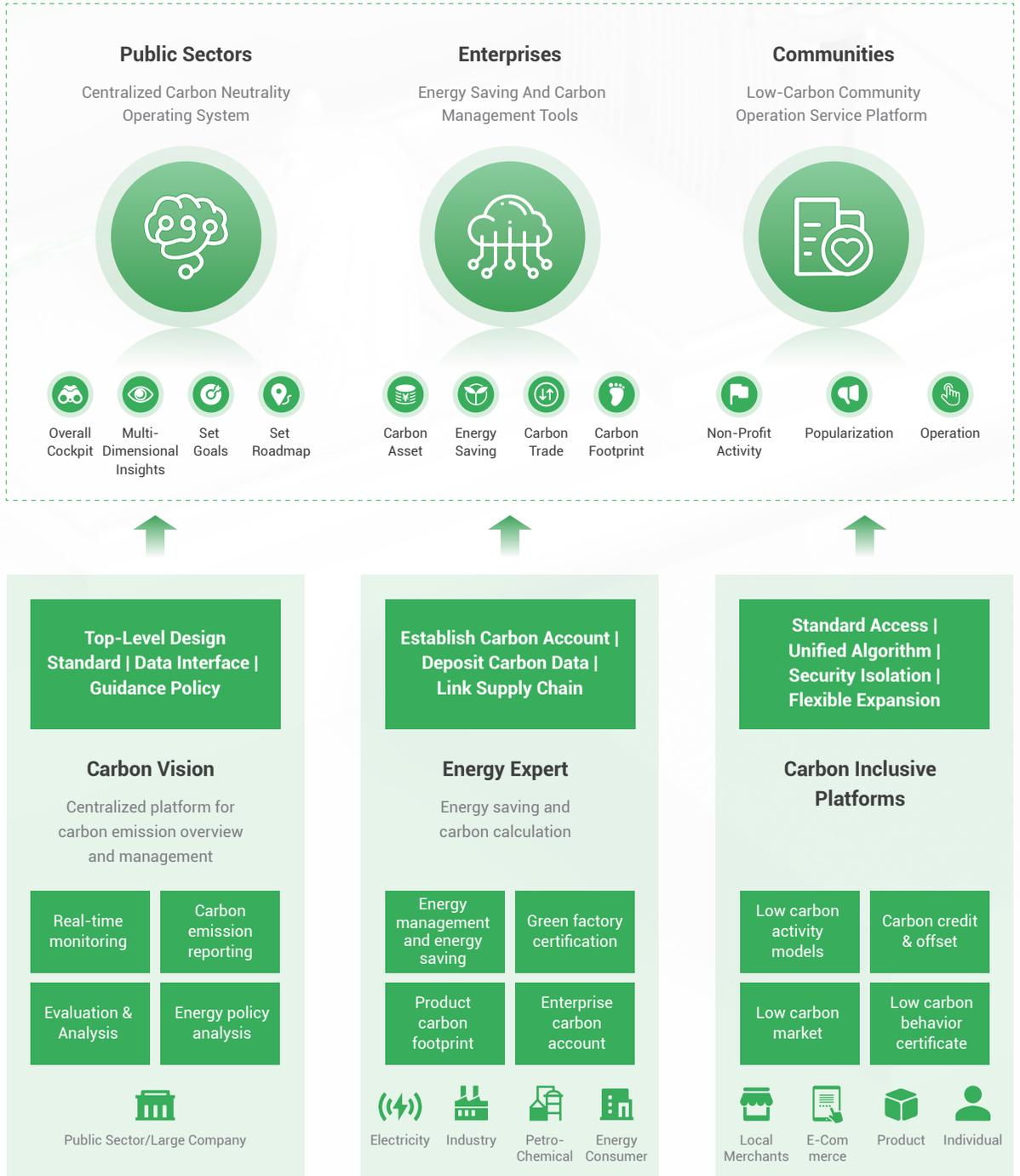


Energy Consumption Forecast on a Daily Basis



Energy Consumption Daily Review Report

Energy Expert Solutions Overview



Benefits and Intended Enterprise Customers

Scientific and Professional

Scientific methodology and emission factor library ensure accurate and effective carbon emission measurement.

One-Click Carbon Neutrality

Energy Expert enables you to achieve your carbon neutrality targets with carbon neutral solutions such as carbon credit planning and carbon account management.

User-Friendly

Standard and visual carbon emission management lowers the learning threshold for unfamiliar users and enterprises.

Green Marketing and Certification

Energy Expert provides global carbon footprint certification and labelling services and helps with green marketing.



Listed Companies

Based on carbon emission accounting standards for different organizations and products, Energy Expert helps enterprises identify their carbon emission sources and footprint, provides environmental impact data required in ESG reports, and recommends carbon emission reduction solutions that optimize cost and efficiency.

Brand Owners and Manufacturers

Energy Expert provides user-friendly product carbon footprint tools to help enterprises complete product carbon footprint accounting. It also helps connect with third-party validation and verification bodies to complete product carbon footprint certification. Energy Expert can provide carbon emission reduction solutions for green marketing.

Other Enterprises with Carbon Neutrality Planning

Based on the PAS 2060 standard on carbon neutrality, Energy Expert provides enterprises with an end-to-end carbon neutrality path, including carbon emission accounting, carbon neutrality goal management, and carbon emission reduction project management.