Feature Highlights

Identify Energy Wastage and Reduce Business Energy Costs
Built-in analytic algorithms identify energy wastage and prioritize consumption management interventions to maximize cost savings.

Visualize Data Using Graphical Indicators for Enhanced Insights
The user-friendly browser-based graphics dashboard allows users to visualize data and easily generate analysis reports.

Streamline Management and Maintenance for Long-Term Operation
The solution settings can be easily adjusted and the functions expanded without additional programming, thus streamlining management and extending the product lifecycle.

Solution Ready Package

SRP-IFS400

- Intuitive browser-based graphical dashboard
- Energy consumption statistics and analysis
- Smart management platform for easy maintenance

Centralized Monitoring and Data Acquisition for Energy Efficiency Optimization

Application Stories

Medium-Sized Factory Adopts Advantech Solution for Seamless EMS Implementation
- Quick implementation without the trouble of developing their own software
- Effective monitoring of energy usage through a unified management platform
- Easy future system expansion

Enterprise Corporate Taps Big Data for Sizable Energy Saving
- Upgraded industrial facilities and machinery to achieve energy-efficiency
- Saved up to 1% on electricity after adoption
- Lean management with organizational energy expense based on real usage instead of equally shared usage

Stable and Reliable EMS Solution for Hospital Industry
- Monitoring of crucial equipment’s condition to reduce response times in the event of an abnormality
- Supports cross-browser and cross-platform viewing, powered by WebAccess dashboard
- Highly reliable solution that fulfils industrial and power industry requirements, ensuring long-term stable operation

Public Facility Enables Industry 4.0 with Advantech’s Integrated EMS Solution
- Integrated cross-regional building and facility energy consumption data for improving management
- Advantech WebAccess supports animated graphics and real-time data control for efficient analysis
- Precise quantification of public facility expenses
For manufacturers facing the prospect of a future global energy shortage and increasing environmental concerns, energy conservation has become a key principle in lean manufacturing and an important indicator of corporate social responsibility. By collecting data from all energy-consuming machines and equipment and generating detailed analysis reports, Advantech’s energy management solution enables managers to identify excessive energy usage and implement improvements that increase energy efficiency.

System Introduction

IME-PaaS/Dashboard

1. Focal Point for Facility and Equipment
   - Energy Consumption
     - Power consumption of each equipment
     - Four-week performance analysis for production lines
     - Four-week performance analysis for facility

2. Interactive Dashboard for Energy Management
   - Main menu for quick search

3. Energy Consumption Analysis
   - Seven-days comparison analysis
   - Energy usage by equipment
   - Actual energy usage vs. target usage
   - Power consumption contribution by equipment

4. Group Overview with Key Performance Scorecard
   - Comparison of peak energy usage in facility
   - Ranking of energy consumption for individual equipment item
   - Organizational amortization
   - Performance index for energy generation

Energy Management System Home Page
   - Facility geographical distribution map and operation status by color
   - Current status overview of specific facility building

Energy Consumption by Organization
   - Comparison chart by timeline and facility equipment
   - Bill and cost comparison vs. previous year
   - Specific circuit information and status

Abnormal Report and Analysis
   - Trend chart of historic energy usage
   - "Quick Click" to check abnormality from historical trend

Centralized Management Platform with SCADA Framework
   - Integrate cross-regional building and facility data through an unified management platform for improving efficiency and reducing cost

Diversified Browsing at Anytime and Anywhere
   - Support cross browsers and platforms viewing, and provide APP for operation and maintenance for remote monitoring

Stable and Reliable Real-time Monitoring and Management System
   - Seamless integration and high compatibility between products, and visualize data in real time via the graphical dashboard

Field Site Energy Management
   - SRP-EMS400
   - SRP-EMS010
   - SRP-EMS401
   - Gateway

Central Management with SCADA Framework
   - Machine to Intelligence

Data Losses Prevention with Breakpoint Support
   - Overcome the abnormal situation of network instability, and data will be synchronized to the data center seamless after recovery
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System Introduction

WISE-PaaS/Dashboard

Software Diagram

System Diagram

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10. Diversified Browsing at Anytime and Anywhere
    - Support cross browsers and platforms viewing, and provide APP for operation and maintenance for remote monitoring

11. Stable and Reliable Real-time Monitoring and Management System
    - Seamless integration and high compatibility between products, and visualize data in real time via the graphical dashboard

12. Field Site Energy Management
    - SRP-EMS400
    - Central Energy Management SRP-EMS010
    - Distributed Energy Data Acquisition SRP-EMS401
    - Gateway

13. Machine to Intelligence
    - Machine to Edge Intelligence
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Optiona l Purchase

Centralized Monitoring and Data Acquisition for Energy Efficiency Optimization
SRP-IFS400
Factory Energy Management Solution
● Intuitive browser-based graphical dashboard
● Energy consumption statistics and analysis
● Smart management platform for easy maintenance
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Ordering Information

<table>
<thead>
<tr>
<th>Solution Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WISE-PaaS Situation Room</td>
<td>LCD Wall: 1 x 60” + 2 x 55” Server and Display: 1 x NSA-666 Control Panel: 1 x UTC-520 1 x WISE-PaaS/EdgeLink/EMS</td>
</tr>
<tr>
<td>WISE-PaaS VIP Membership</td>
<td>WISE Point: 2,000 points</td>
</tr>
<tr>
<td>SRP-EMS010 Energy Management System</td>
<td>HPC-7242 x 1 Windows Server 2016 R2 WebAccess/EMS</td>
</tr>
<tr>
<td>SRP-EMS400 Energy Situation Room</td>
<td>LG-24032G x 1 ECU-1251 x 1 Windows 7 Embedded Pro WebAccess/EMS</td>
</tr>
<tr>
<td>SRP-EMS401 On-Site Energy Data Acquisition</td>
<td>ECU-I1512 x 1 WISE-EMS x 3 WISE-PaaS/SignageCMS</td>
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<td>Basic Training 2 days Advanced Training 1 day</td>
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SRP-EMS400 Energy Situation Room
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Optional Purchase

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