

# Application Case

Industrial Automation BG, Delta Electronics, Inc.

Case	Delta Industrial Automation Solutions for Factory Energy Management System				
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Applicable to	DPM, DIAEnergie PLC				
Key words	Power Meter, IEMS				

## [Overview]

Delta's Industrial Energy Management System (IEMS) DIAEnergie provides companies with a highly effective solution to achieve their environmental and energy goals. It provides an energy management system where all parameters and values of on-site meters can be read on a single or multiple computers

Many facility managers start the day by walking around the whole facility and checking and reading on-site power meters. Some small factories may have over 100 power meters, which may take over half a day to check. Reading errors may require managers go through the whole building just to find where the problem is located. To solve these management inefficiencies and time-consuming tasks, an energy management system offers the parameters and values of on-site meters to be read on a single or multiple computers. It may even provide a more user-friendly interface with data visualization tools like dashboard, charts, and graphs. Users may also set alarm warnings via email or messages. The system immediately informs facility managers of alarm locations so that they can fix the problem as soon as possible.

Delta's DIAEnergie is an energy saving product and solution for a wide range of applications and industries. With professional automation control technology and years of experience in making energy saving products, Delta's goal is to create new opportunities for industries, provide innovative, clean and efficient energy solutions for a better tomorrow.

With solid experience and advanced technology, Delta Industrial Automation offers efficient and reliable solutions and service – we are your most trustworthy partner.

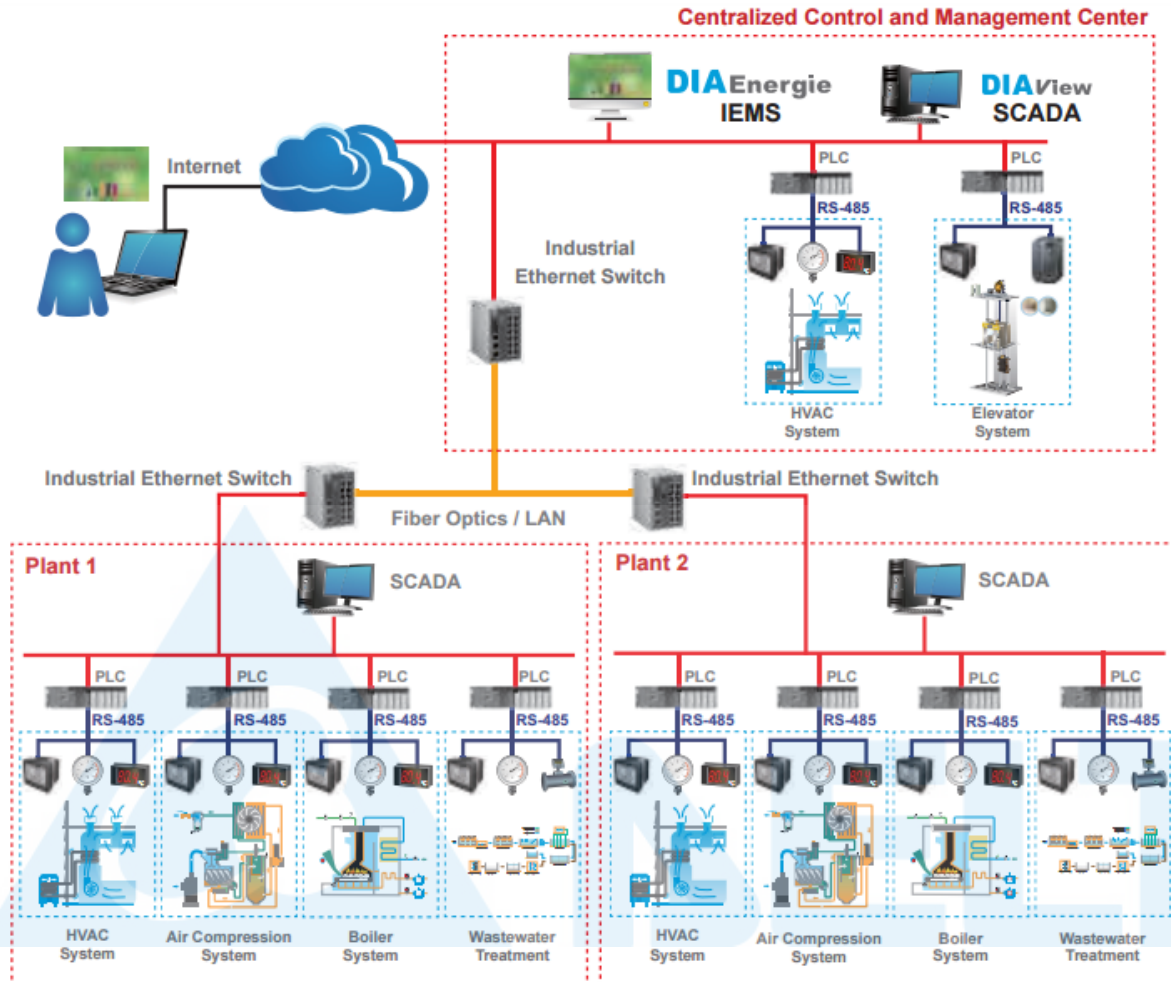
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## System Structure

The system structure consists of many programmable automation controllers that gather information from on-site meters. This data is quickly transmitted through Ethernet to a computer server with DIAEnergie system installed for further data analysis.



## Program

1. Drag and drop topology.

Easy to program and learn.

2. Convenient Storage device.

Addresses that are created are directly saved to the database for further analysis.

3. Easy programming for user-preference functions

Programmers may write their own script to further develop their own functions.

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## Features of Delta's Total Solution:

- The dashboard interface allows users to set up requirements with unlimited flexibility. Users may monitor real-time equipment operation through data displayed on the energy dashboard.
- On-site monitoring of voltage, current, power consumption, electricity quality, communication status, and measurement parameters for customers. DIAEnergie easily discovers excessive power consumption and abnormal electricity usage.
- Generates daily, monthly, and yearly reports on energy consumption and provides comparisons of energy usage data.

For more information on Delta's industrial automation products, please visit our website at: [www.delta.com.tw/ia](http://www.delta.com.tw/ia)



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