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In-House Implementation of Advanced Green ICT

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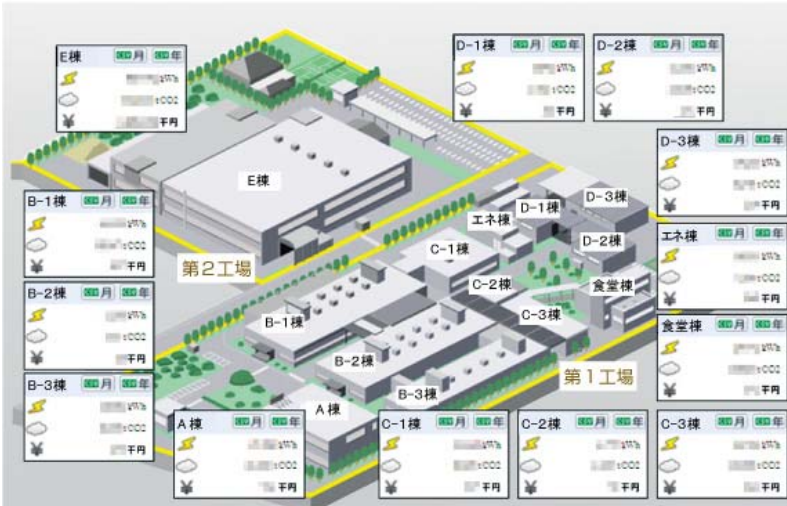


## Manufacturing

Green Reference for Tomorrow

# Green "Manufacturing" Practices

Promoting optimization of energy use at every phase of the life cycle of products








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The energy monitoring system clarifies the state of energy use in everything from building to line units.



Fujitsu East Japan Recycling Center

- Fujitsu Isotec provides customers around the world with the most advanced ICT products guided by the themes: Quality, Cost, Delivery, and Green.
- It uses ICT to improve the environmental performance of products and minimize the energy used to manufacture them, achieving green product life cycles.
- It takes measures to recycle used ICT equipment, achieving a resource recycling rate of 90%, the highest rate in the industry.

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## Discovering and ending unreasonableness, wastefulness, and irregularities

Fujitsu is promoting the skillful application of ICT to perform green manufacturing in order that it can not only supply its customers with high quality products offering superior environmental performance, but ensure that all its products are green throughout their life cycles.

Fujitsu Isotec, a producer of PCs and servers, visualizes the state of energy use promptly in detail in factory building units, floor units, area units, and line units. In this way, it discovers divisions and production lines with unreasonableness, waste, and irregularities. It also shows how they happen. This helps eliminate such problems.



"Eager that our customers use products that are kind to the environment, Fujitsu is reducing environmental loads at all phases of the life cycles of products."

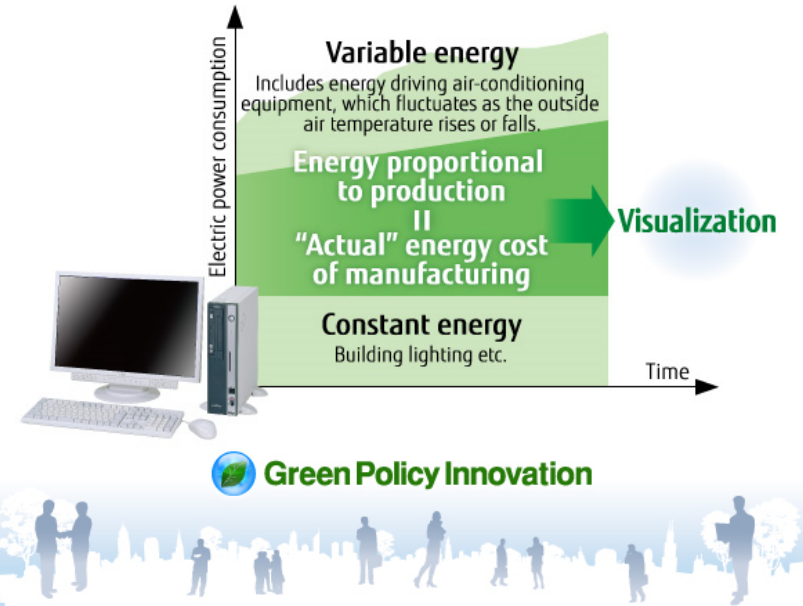
**Masaichi Tochimoto**  
Representative Director and President  
Fujitsu Isotec Limited

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Visualization of "actual" energy cost

Energy must be visualized in product units in order to discover unreasonable, wasteful, and irregular manufacturing processes. But with a mixture of constant factors such as building lighting and variable factors represented by air-conditioning equipment, which varies its operation in response to the rise and fall of the outside air temperature, it has been difficult to determine the quantity of energy actually consumed by manufacturing.

Green "Manufacturing" Practices eliminate the external factors which are constant or variable to carefully focus on the "actual" energy cost of manufacturing, permitting the implementation of highly effective energy saving measures.



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