# Clamp-on Power Meter CW120 Application Notes





Yokogawa Meters & Instruments

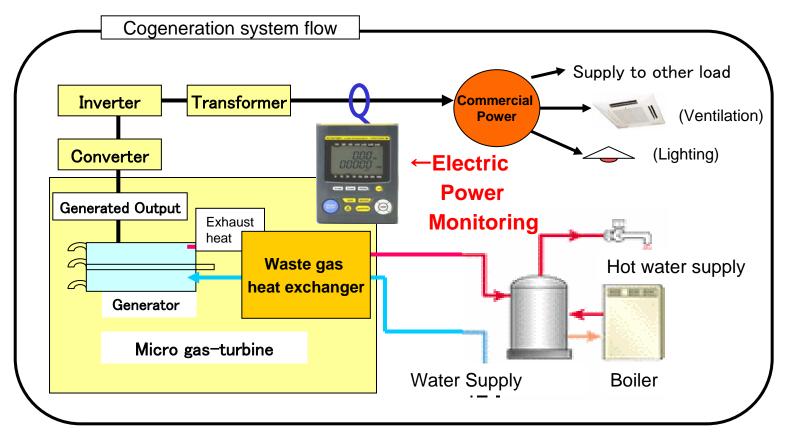
## Measurement of Cogeneration



# Introduction Example: Monitor generating efficiency & electric energy of cogeneration for 6 months to one year

Points: -Compact & easy to carry around

-Possible to measure more than 1 year with use of large volume memory



**Example: Super Markets/Hotels/Hospitals/Buildings/First Food Restaurants** 

### **Energy Saving for Air-conditioning & Freezing machine**

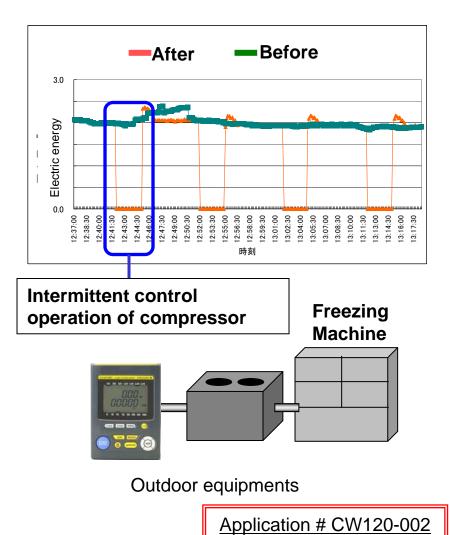
Introduction Example: Measure electric energy of Air-conditioning and compressor of Freezing machine to check energy-saving effect

#### Point: Min data saving interval is 1 second

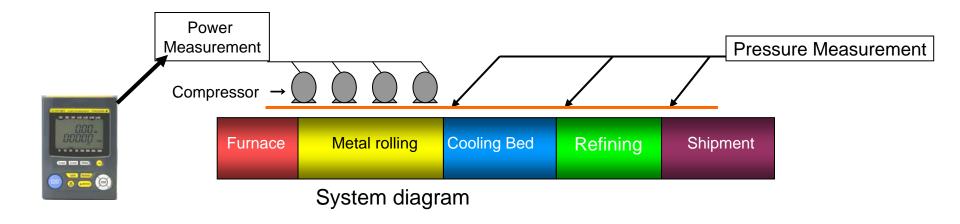
Can be measure electric energy for stand up characteristics & Intermittent control operation

Convenient to use external I/O terminal when you use multiple units

Building ventilation



## Energy saving for steel products metal rolling

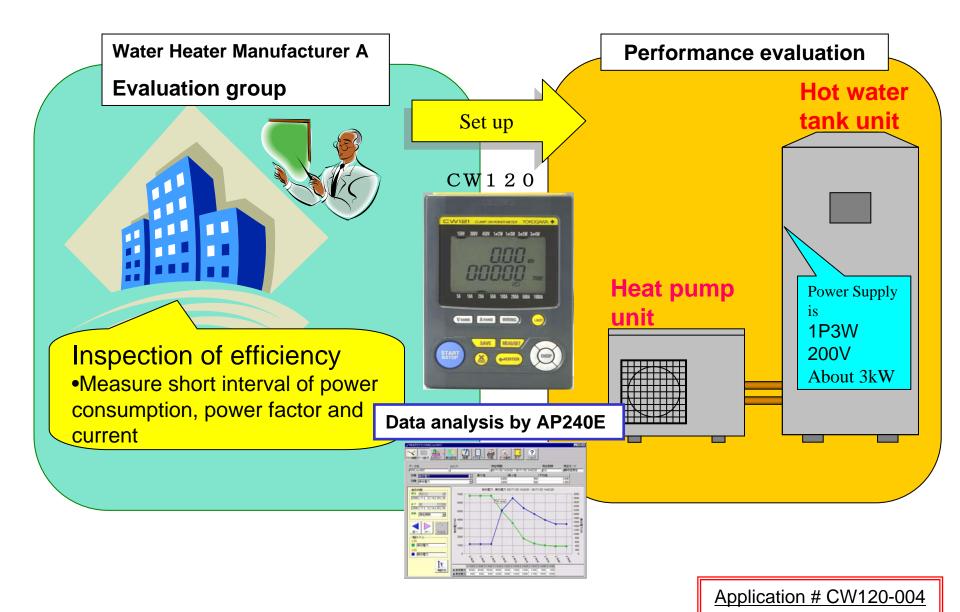


#### Purpose: Energy saving & Diagnosis on Pressure/air supply facility

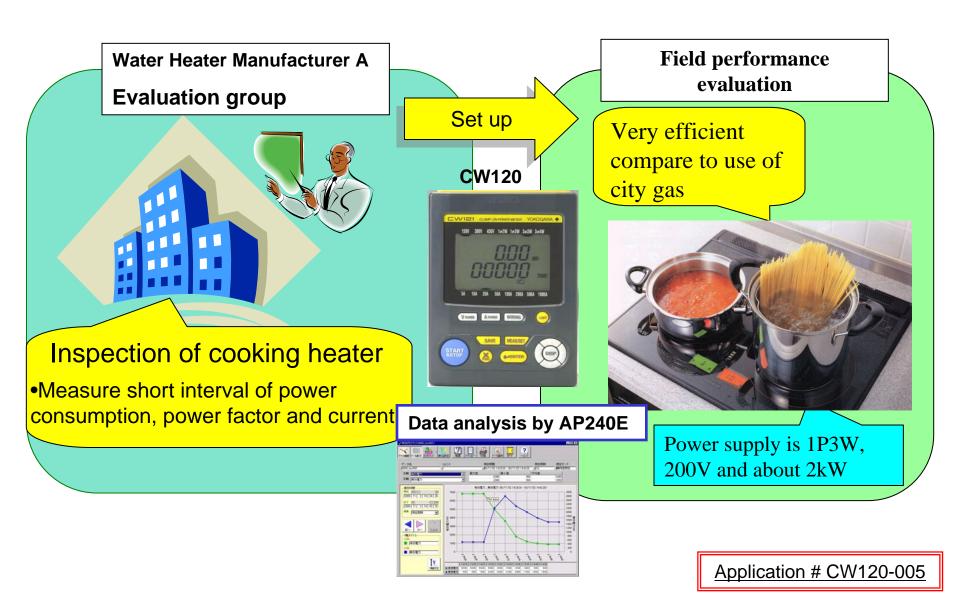
- 1. Check operating condition for metal rolling system's compressor
- 2. Measurement of Pressure/Air facility

  Measure electric power & Pressure of compressor for 24 hours
- 3. Energy saving for compressor

## Evaluation for electric water heater (Heat pump)

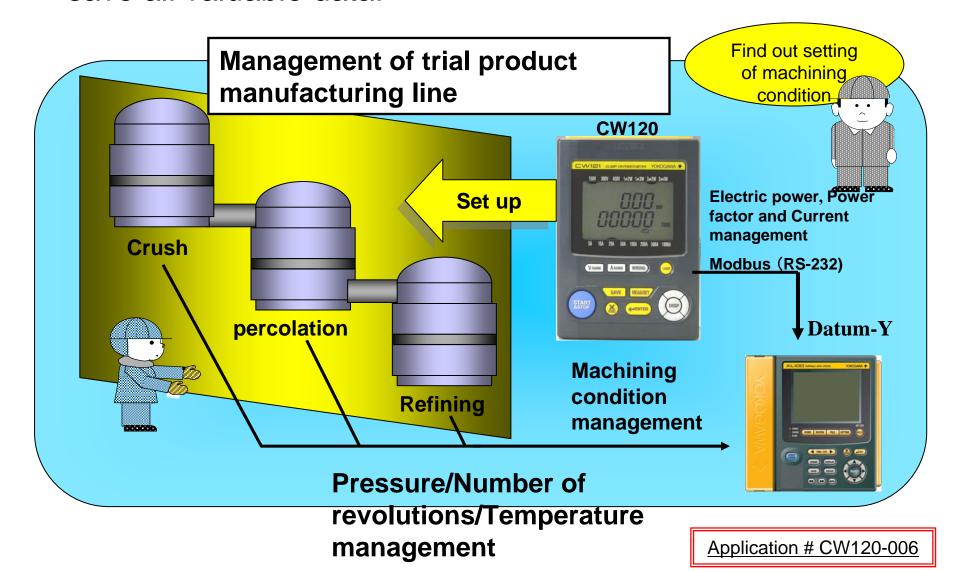


# Evaluation of electric home cooking equipment



## Food company - Sesame oil production plant

Customer's Benefit: No need to use PC. Datum-Y to save all valuable data!



# Field observation for Power Company

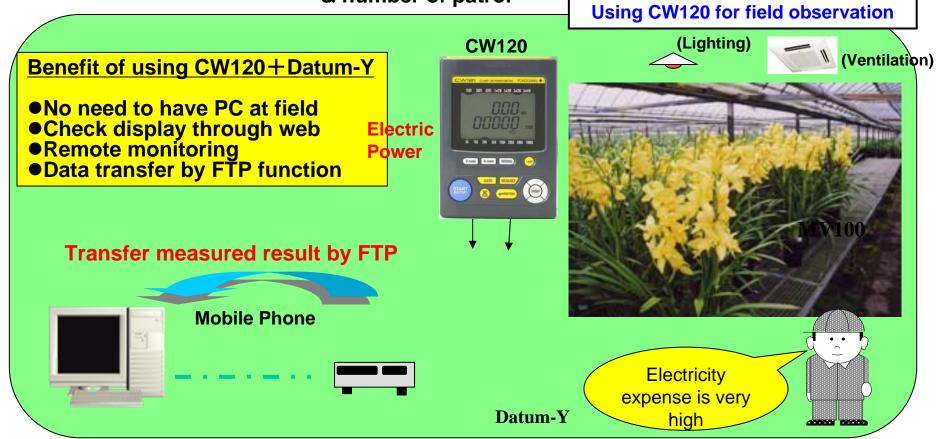
Problem: Orchid producers complain about consumption of electric power

Benefit for Customer: -Remote monitoring of electric power at plastic

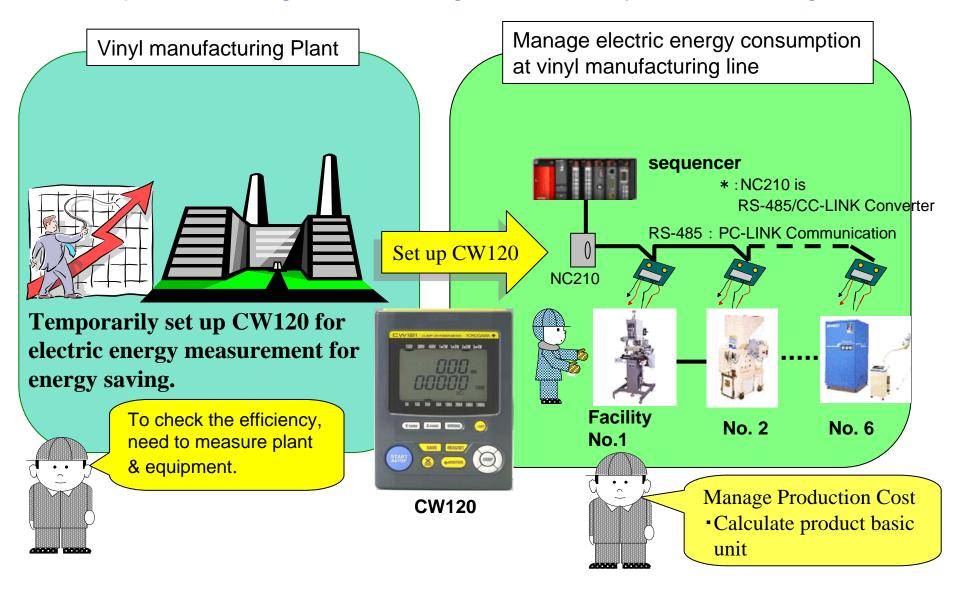
greenhouse.

-Send measured data by FTP to reduce man power

& number of patrol



#### Electric power investigation & management for Vinyl manufacturing line



Application # CW120-008