

The logo for Hospitality Expo 2022 features the text "HOSPITALITY EXPO 2022" in a bold, sans-serif font. "HOSPITALITY" is in blue, "EXPO" is in green, and "2022" is in blue. The text is centered within a circular graphic composed of a grid of small dots, with the top half of the circle being blue and the bottom half being green.

**HOSPITALITY
EXPO 2022**

Maurice J Bergin MSc FIHI
Green Hospitality Programme
Green Travel and Green Trading Company
(Certification, Promotion, Advice)



Energy Management & Technology

The Immediate Challenge

300-500% increases in Energy Costs

Worries about security of supply



GREEN TRAVEL.ie



GREEN MARK.ie

HOSPITALITY EXPO 2022

Energy Management & Technology

The Real Challenge

Decarbonising Energy by 2050

...2040...2035....2030???



Energy Management & Technology

Using Technology to support Decarbonisation

From the simple to the cutting edge...



Energy Management & Technology

Adopt a key principle

- Never again purchase a fossil fuel using item of equipment
 - Except for Net Net Zero Carbon Biomass/Fuel



Energy Management & Technology

Do you know when, where and how much energy you use?

- Install meters
- Install smart meters
- Install online real-time smart meters linked to a dashboard



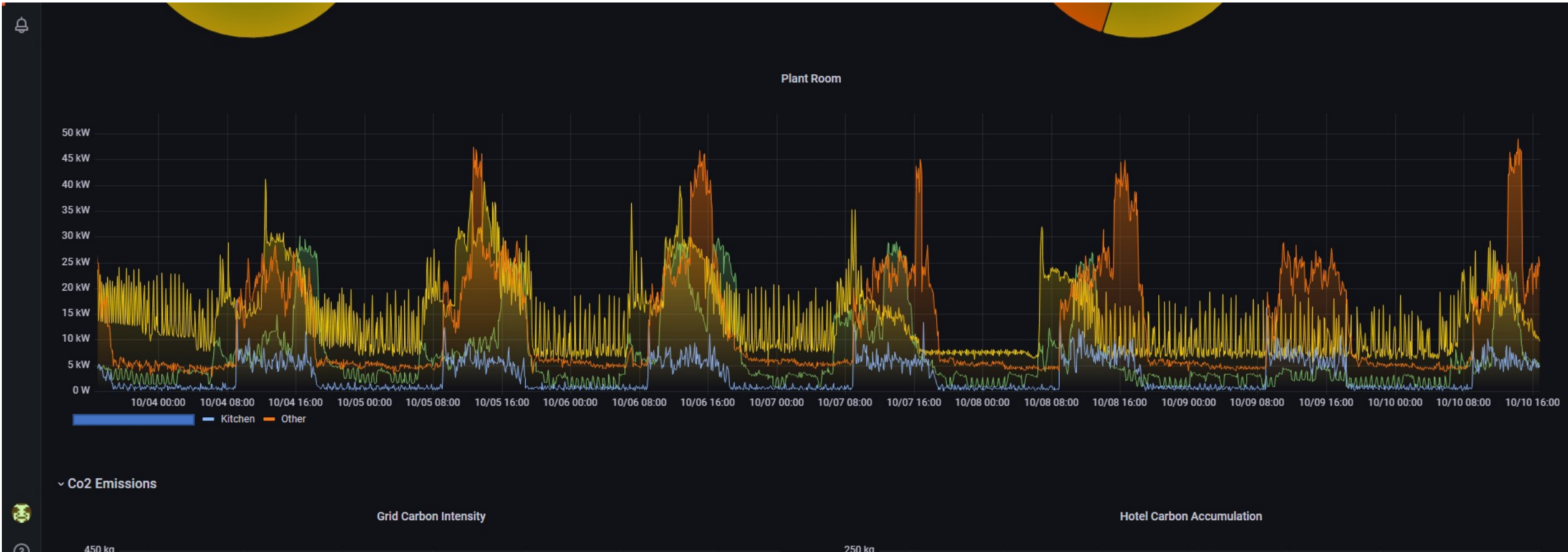
Energy Management & Technology

If you will not do this, stop complaining about energy costs

- **Real Time meters**
 - **Electricity**
 - **Gas**
 - **Heat**
 - **Water**



Real time electricity consumption



Energy Management & Technology

Invest in Old / New Technologies



Energy Management & Technology

Old Technologies

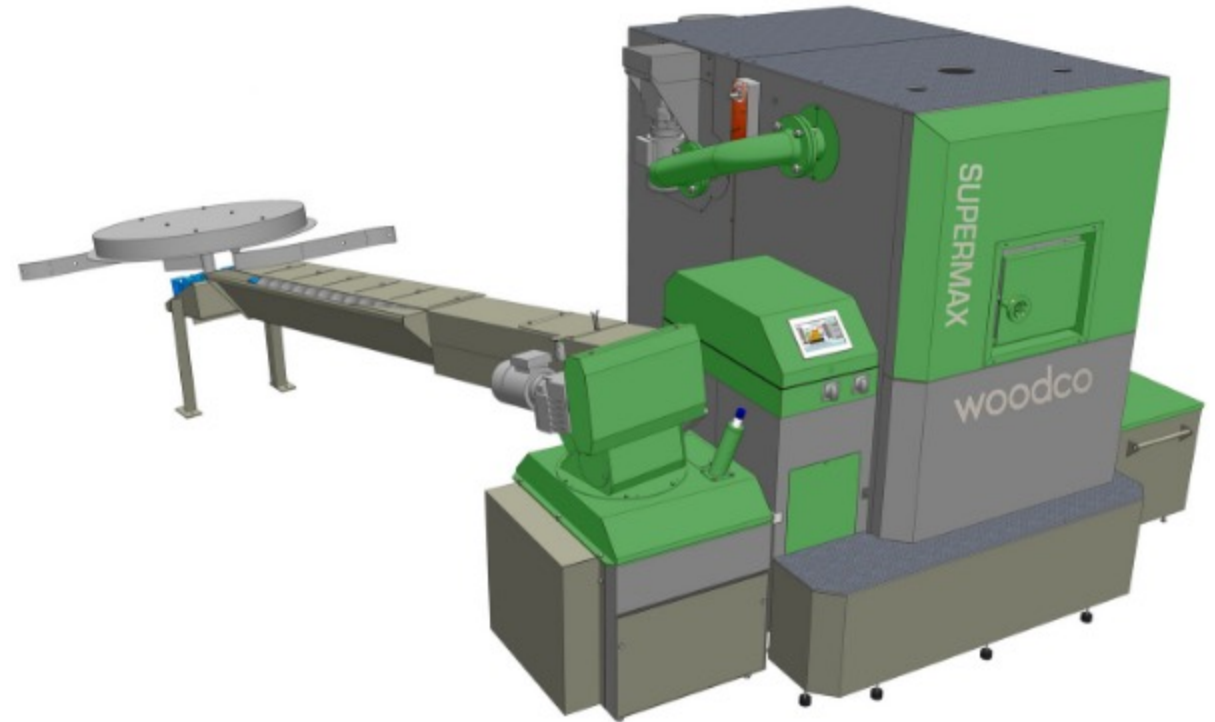
- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

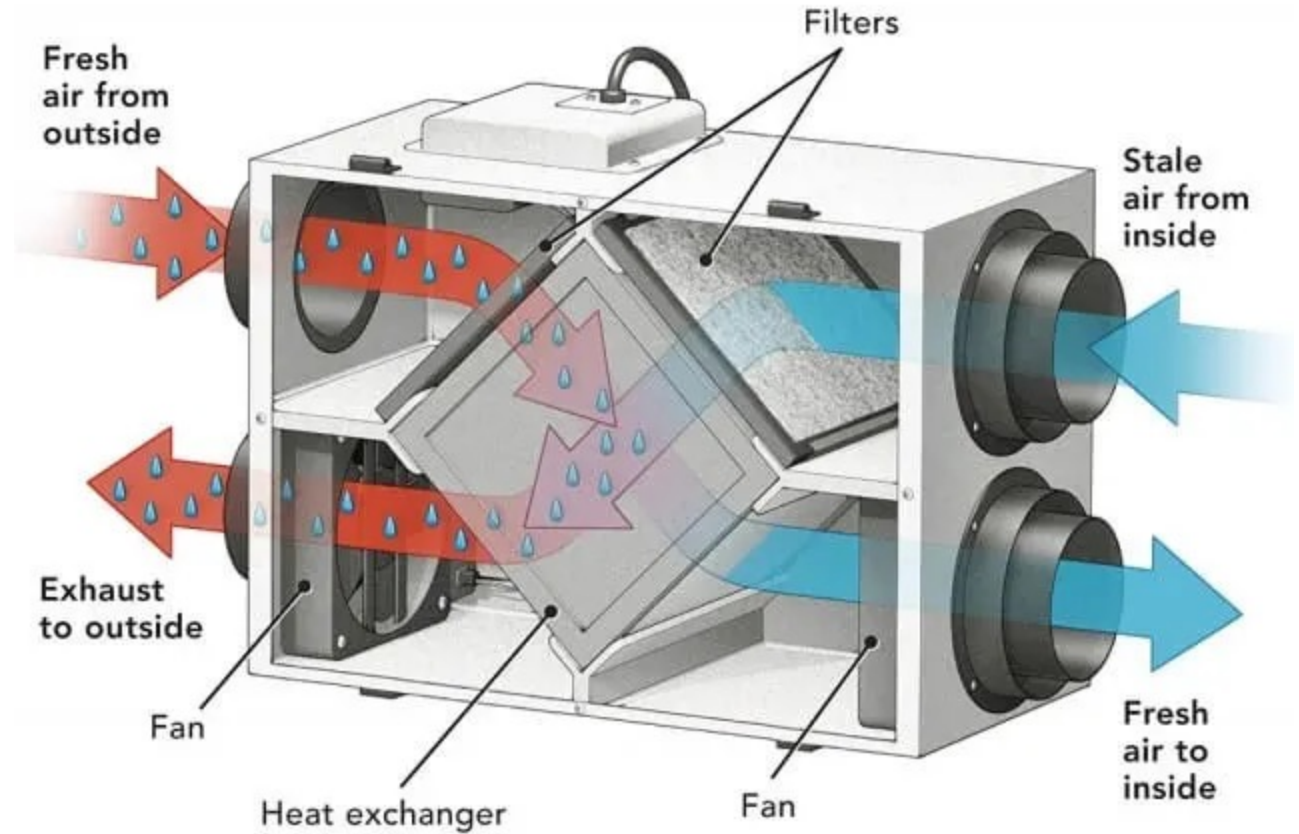
- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

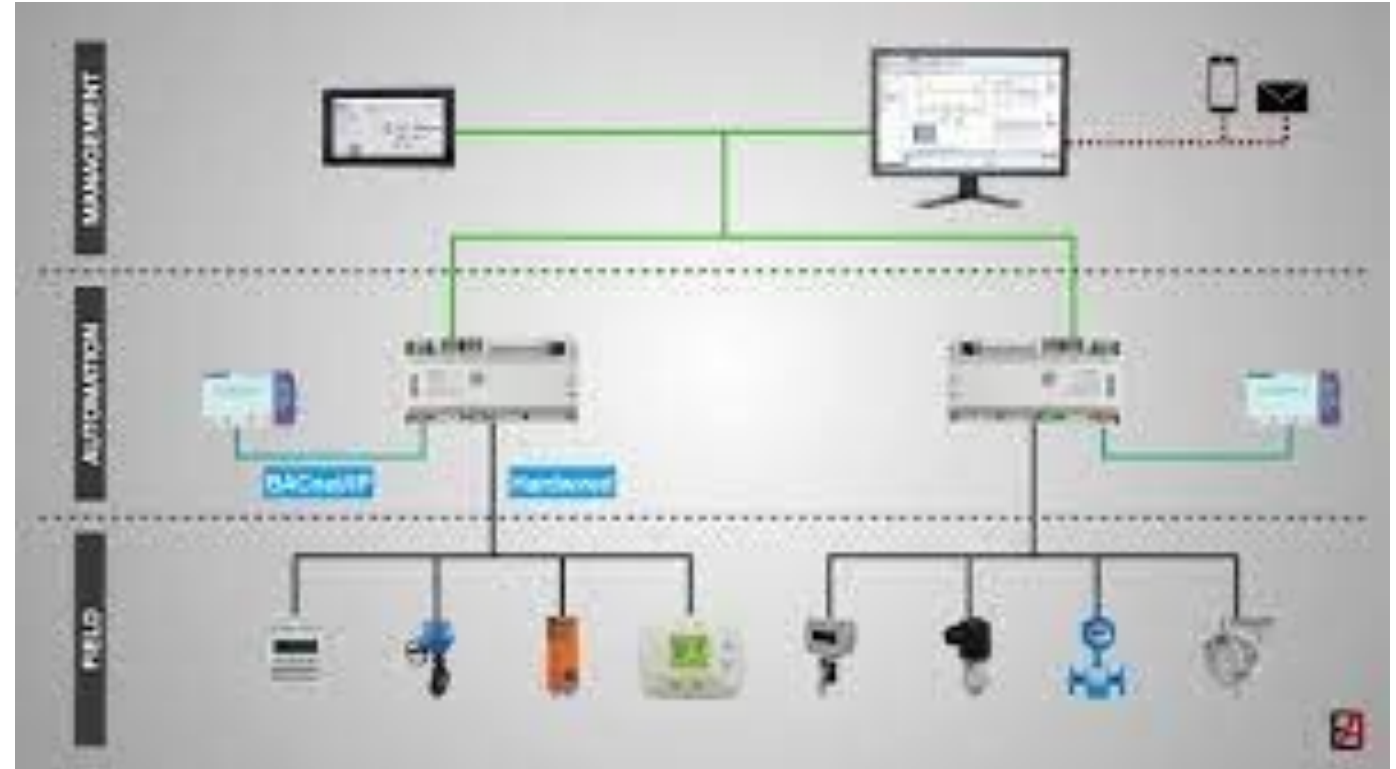
- Biomass
- Heat Recovery
- Pool Covers
- TRV's (Old/New)
- BMS
- VSD's



Energy Management & Technology

Old Technologies

- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

- Biomass
- Heat Recovery
- Pool Covers
- TRV's
- BMS
- VSD's



Energy Management & Technology

Old Technologies

- LED Lights
- Yes, they are now Old Technology



Energy Management & Technology

New Technologies

- Solar PV
- Induction Cooking
- Commercial Heat Pumps
- Occupancy Sensors
- Energy Efficient equipment



Energy Management & Technology

New Technologies

- Solar PV
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Energy Management & Technology

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Energy Management & Technology

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Energy Management & Technology

Plant management

- Snapfix

Manage Your Buildings,
Projects and Teams Using
Photos & Traffic Lights.

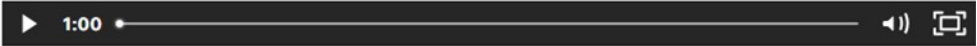
 Snap  Track  Done

 Capterra 4.7

[Request a Demo](#)



The simplest
facilities and
maintenance
platform
on the planet



Energy Management & Technology

Awareness

- **Employee**
 - Online training - blended



Energy Management

Who is in control of your Energy?

- Your Suppliers
- Your Employees
- Your Customers
- Your Machines/Systems

Or You



How to contact me

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(Energy, Carbon, Water, Waste)

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GREENMark

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HOSPITALITY
EXPO 2022

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**HOSPITALITY
EXPO 2022**

Technology in Hospitality
ENERGY MANAGEMENT

Q & A