

SUCCESSFUL ENERGY EVENT FOR GLOBAL TOP TEN PHARMACEUTICAL COMPANY - INDIA

CLIENT | LOCATION

Top Global Pharmaceutical Manufacturer | India

SECTOR

Pharmaceutical Manufacturing

PROJECT BRIEF

As the specialist in pharmaceutical HVAC energy efficiency, EECO₂ was selected to be part of this energy event; concentrating on the HVAC side of creating cost-effective plans to reduce energy consumption at the client site, whilst maintaining product quality, compliance & safety.

Any identified projects were expected to be practical, realistic and implementable, considering site constraints, development plans and new investments.

METHODOLOGY

EECO₂ worked with the site engineering team, providing specialised services based on the site HVAC systems.

METHODOLOGY CONT.

Energy maps were produced by analysing the data provided by the site. The previous full year data was used to prepare the maps. These were split by uses and by buildings to identify significant energy uses and locations to focus on.

The teams worked extremely well together on site, having prepared information beforehand, the event was effective in producing multiple projects. The teams created implementation strategies for each project to encourage the site team to continue on and achieve the savings identified.

SOLUTION

The solutions below are based on 39 developed projects and 106 'just do it' projects for the site:

- Air Change Rate Reduction
- Fresh Air Reduction
- HVAC Setback
- BMS Optimisation
- Dehumidifier optimization
- Cooling Systems Fan Control & Metering

RESULTS



Annual energy savings identified:

119 GWh (26% site reduction)

Annual energy cost savings identified:

£2 Million (32% site reduction)

Annual CO₂ savings identified:

5.3k tonnes (88% site reduction)

The savings identified have an overall simple payback period of 2.3 years.

FOR FURTHER INFO

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