

ENERGY EVENT AT API MANUFACTURING SITE IN INDIA

CLIENT | LOCATION

Pharmaceutical Manufacturer | India

SECTOR

API 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 17 developed projects and 9 'Just do it' projects for the site:

- GMP HVAC Optimisation
- HVAC Plant Maintenance
- Motor Upgrades
- Meter monitoring and targeting
- Boiler Improvements



RESULTS



Annual energy savings identified:

6,600 MWh (24% reduction)

Annual energy cost savings identified:

£200k (31% site reduction)

Annual CO₂ savings identified:

3650 tonnes (26% reduction)

The savings identified have an overall simple payback period of 3 years.

FOR FURTHER INFO

T: +44 (0) 1625 660 717 E: info@eeco2.com