

## Bespoke Metering & Behaviour Change Programme for EU Plasma Services Provider to Facilitate Energy Reduction

### CLIENT | LOCATION

Life Science Organisation | Multiple EU sites

### SECTOR

Plasma Services

### PROJECT BRIEF

To align with the organisation's Net Zero 2040 objective, plasma service facilities wanted to assess their operations in the US and Europe. Due to this, there was a requirement to consider the energy consumption and carbon impact of various facilities and consequently develop processes and opportunities to deliver on the 2040 commitment.

One obstacle to achieving this was that all facilities were located within retail units, which were often leased, making detailed energy data hard to obtain, this was a key challenge of the project. To overcome this, a solution would need to give a detailed insight into facility energy consumption.

### METHODOLOGY

A pilot project was suggested by EECO2 to trial a metering and behaviour change solution, with a long-term outlook to scale up and apply this process to many other plasma service facilities. As a result, 3 European trial locations were selected, Hungary, Austria and Poland. The project was broken down into 3 phases:

- **Phase 1** – Provide a non-invasive and effective metering solution that can be used to facilitate the collation of energy data. To do this, EECO2 created a bespoke Energy Dashboard – a visual demonstration of energy usage.
- **Phase 2** – EECO2 collated energy usage information, provided insight into the greatest energy users for each sample location, and then worked closely with the client team to develop a targeted training programme to instigate behaviour change.
- **Phase 3** – Measure the success of the behaviour change programme by comparing and analysing the data from pre and post-event.

### SOLUTION

As a result of the collaborative work between EECO2 and the plasma services provider, the client was able to clearly understand facility energy consumption via the Energy Dashboard. In addition to this, Takeda BioLife were informed of sustainable behaviour practices relating to their facilities, ranging from optimal HVAC setpoints to best usage of freezers, water heaters and other energy-consuming utilities.

### EXPECTED RESULTS

Projected energy savings identified when applied across 30 sites (per year):

**772,200 kWh (10% reduction)**

Projected carbon savings identified (per year):

**216 tCO<sub>2</sub>**

Projected cost savings identified (per year):

**€126,000**



### FOR FURTHER INFO

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