

# Royal Opera House gain maximum data granularity within their Linbury Studio

## THE BACKGROUND

The magnificent Royal Opera House situated in Covent Garden, London aims to enrich people's lives through opera and ballet.

The Royal Opera House initially engaged with energy management consultancy :*entertaining sustainability*, to help them with their energy activity in the Linbury Studio, a flexible modern theatre space within the heart of the Royal Opera House.

## PROJECT AIMS

The Royal Opera House needed to be able to monitor the electrical power consumed by their stage lighting equipment within the purpose-built Linbury Studio. They wanted to identify which areas of the stage system used the most/least power.

## THE SOLUTION

MeasureMyEnergy supplied two Power Distribution Monitors (PDM) to measure the electrical power consumption of 36 key circuits across two separately located distribution boards. The PDM's collect this data in realtime and send it to the intuitive cloud-based platform where it is processed and displayed within the online dashboard within one minute.

With each channel on a PDM configurable as three-phase or single-phase, the Royal Opera house has gained maximum data granularity by having the ability to separate the data for each dimmer phase.

## THE OUTCOME

All recorded data can now be interrogated by the lighting systems team – wherever they are - through the online GEM portal, allowing consumption between productions, circuits or even weeks to be compared.

Automatic alerts can be set up to email key staff members in the event of unexpected usage, for example, if equipment is left on overnight.

### At a Glance

Industry - Leisure

Benefits - Energy Reduction  
Custom Alerting & Proactive  
Maintenance



*"The data is immensely valuable – it's like an ECG for the Linbury Studio."*

**- Robin Barton, Lighting Systems Technician.**

