

ESG and Energy Management – What is expected and needed?

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- What is it?
- What are the considerations?
- What does it mean to me?



ESG v's Sustainability

- ESG looks at how the world impacts a company, while sustainability focuses on how a company impacts the world.



Communicating your Sustainability Strategy

- What is your plan?
- Who are your team?
- What are your goals?
- Who are your stakeholders?
- What are you communicating – what are your stories?
- How do you validate?
- Review / adapt / change.



Energy Management – What is expected and needed?

Energy Crisis:

- War in Ukraine
- Reduction in gas supply
- Ireland's overdependence on fossil fuels
- Price hikes
- Fixed v's floating
- Duration of crisis?
- Lots of uncertainty

Control the controllables!



The CCD - Summary:

- 100% certified green electricity – consumption is c. 5,000,000 kWh p.a.
- 225 meters measuring, monitoring and analysing energy consumption in real time.
- Facilities controlled by a modern day BMS and managed in real time.
- Top class facilities partner – CBRE.
- Data analysis leads to decisions.



Our approach:

Operational

- Energy champion
- Connected approach
- Data collection and analysis
- Positively challenge the norm
- Communication / Perception

Strategic

- Energy management part of a wider sustainability strategy
- Plant and building optimisation projects identified that harness emerging technologies



MEASURE, MEASURE, MEASURE.

*What you can't
measure you can't*

IMPROVE.

Project Example 1: Solar Power

- Solar power is the conversion of energy from sunlight into electricity.
- In 2017 we completed a feasibility study on the installation of solar panels on the rooftop to establish potential savings & opportunities.
- Technical desktop analysis showed a potential generation capacity of 89,000 kWh of electricity.
- However, our practical analysis should several issues (shading, safety, access to plant etc) meant that this figure was downgraded to 20,000kWh – **Project deemed not feasible.**



Project Example 2: LED Lighting:

- All lighting points throughout The CCD – 7,418 – have been identified and evaluated on lighting type, quantity, and operating hours to establish kWh consumption.
- Highest use areas identified as a 2022 project as part of our Strategic Initiatives.
- In August 2022 The CCD completed the upgrade of LED Lights in our 2,000 seater Auditorium and foyer areas.
- SEAI granting was available and payback is calculated at 2.9 years.



Thank You