



## GSK Cork Energy Reduction Programme

**Ed. Collins**  
**Energy and Utilities Champion**

12<sup>th</sup> June 2014



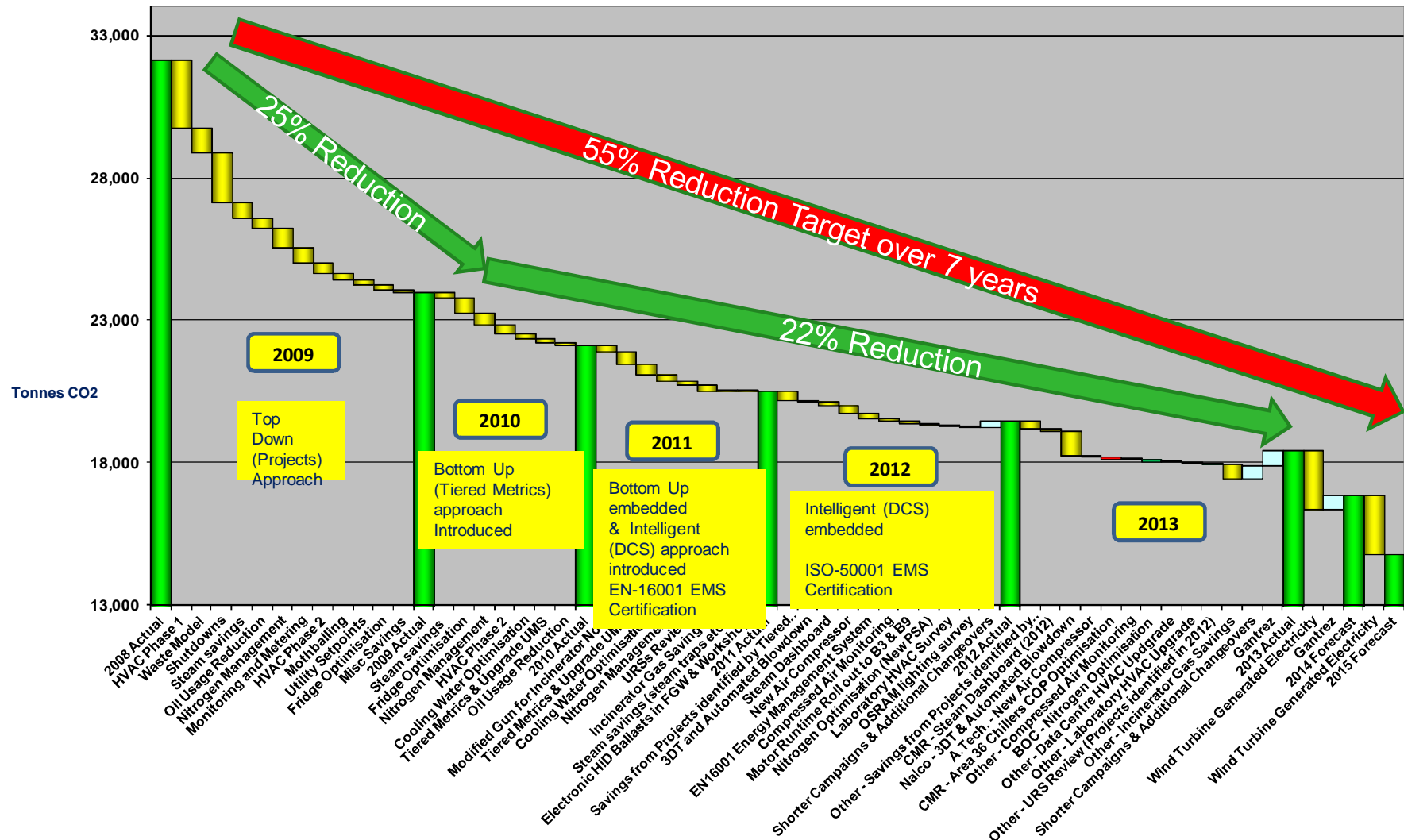
# Presentation Overview

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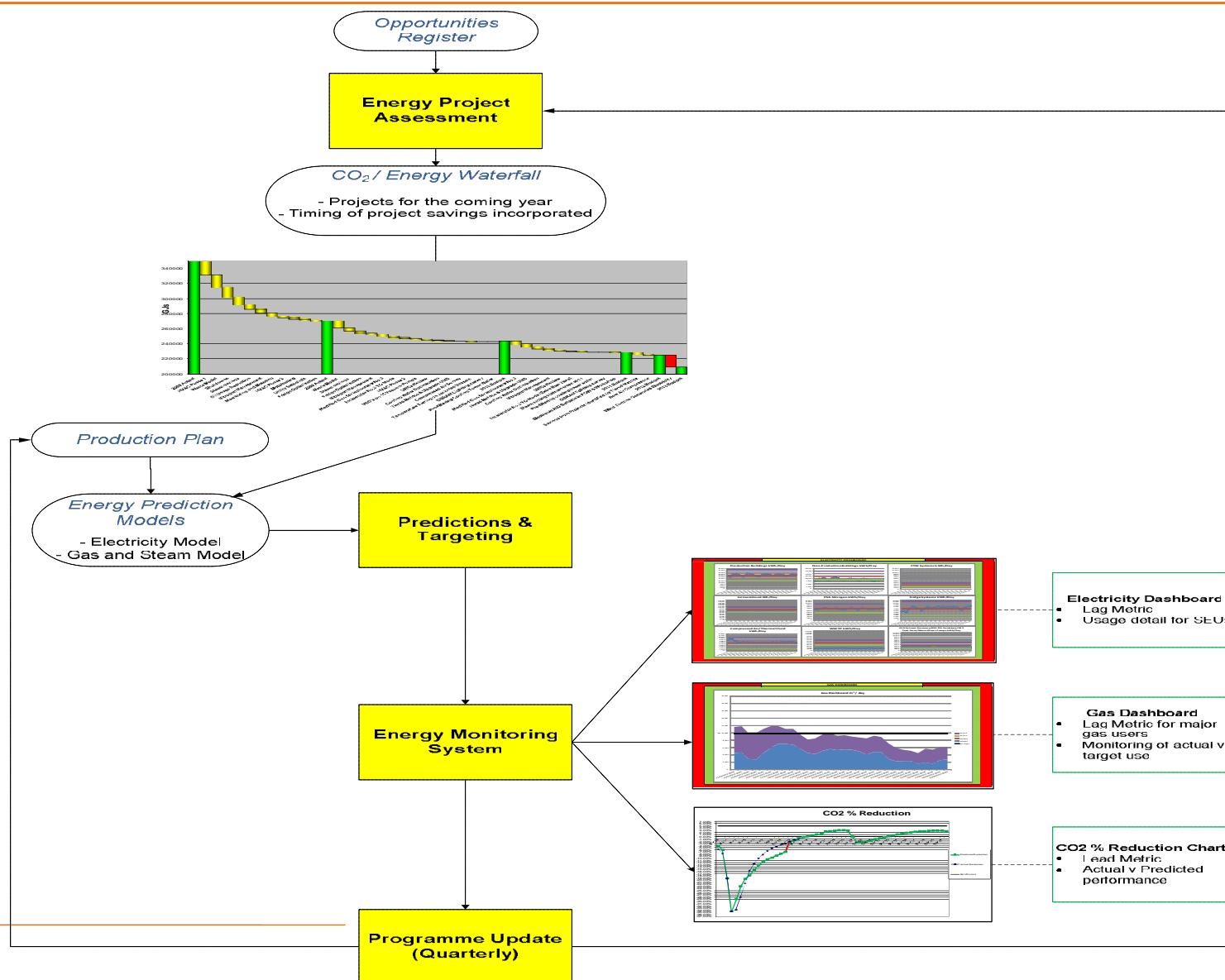


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# Energy Reduction Programme Strategy



# ISO 50001 Energy Management Standard Process



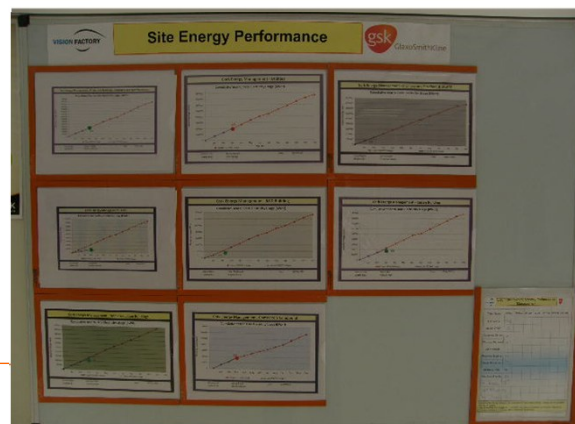
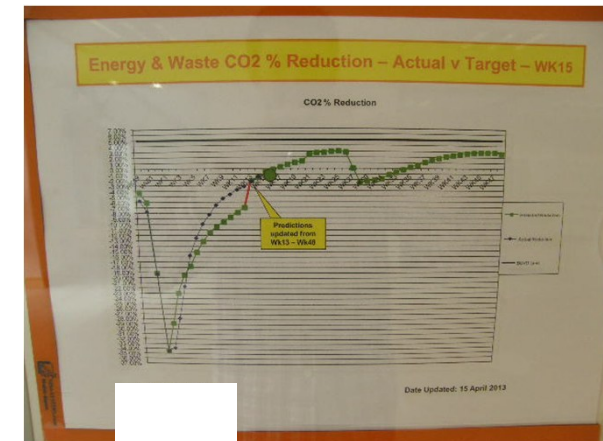
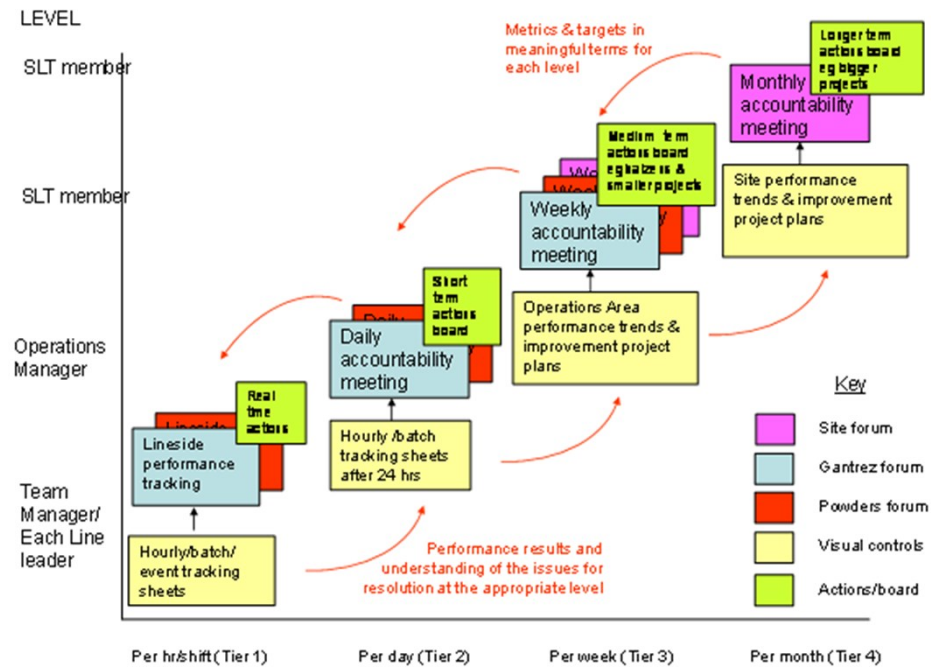
# Benefits of ISO 50001 Certification

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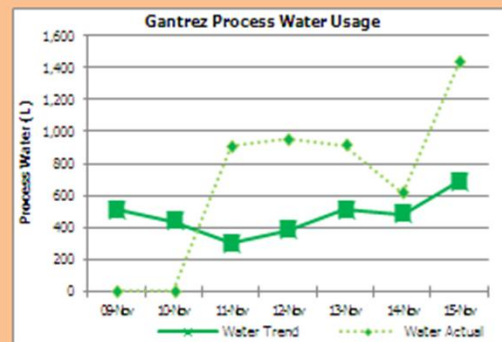
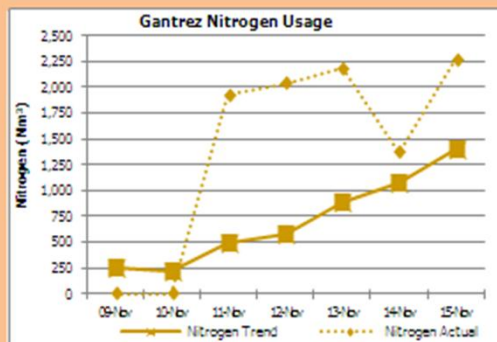
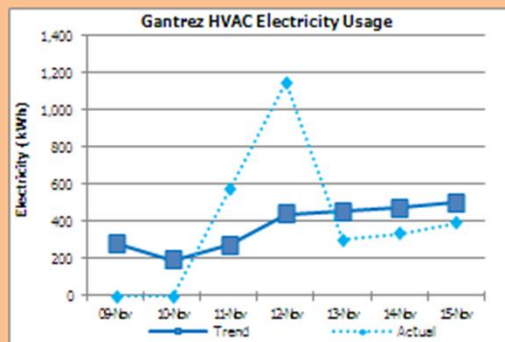
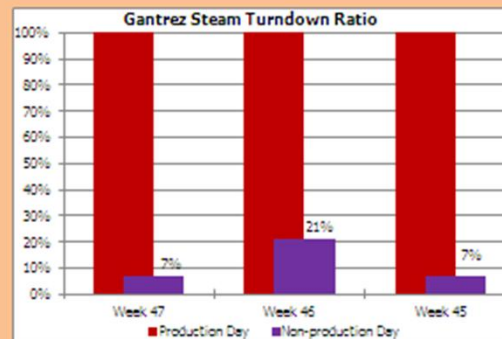
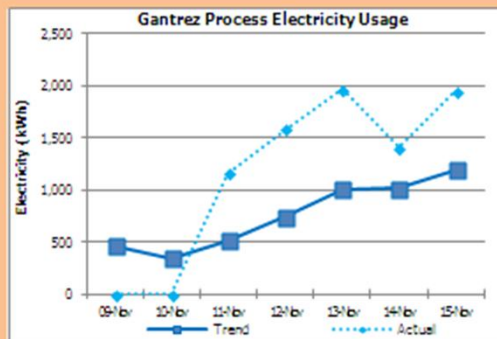
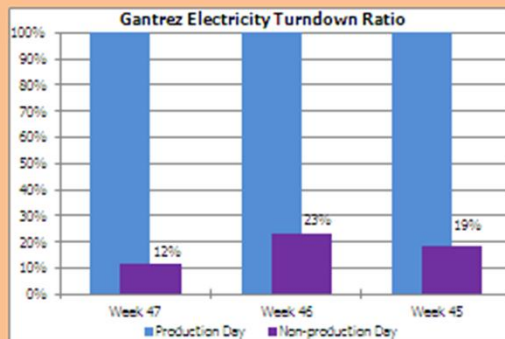
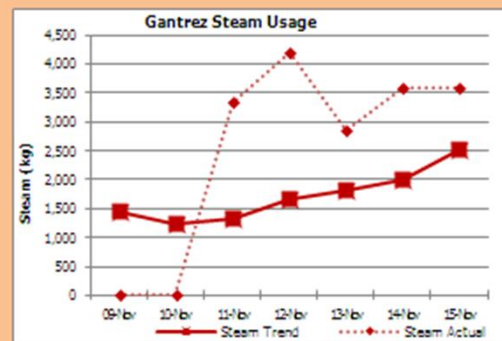
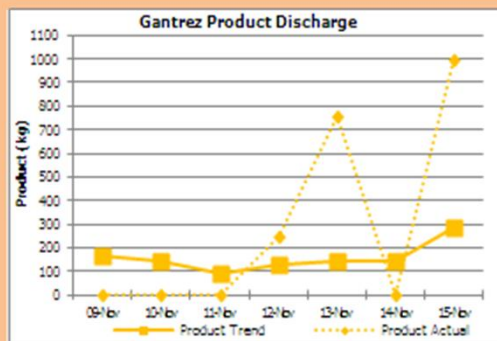
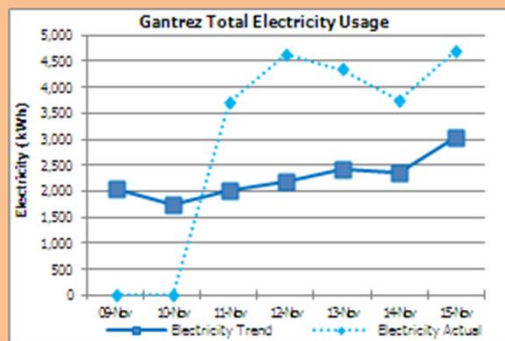
- Improved Energy Management through the use of Performance Management
  - Using Significant Energy User (SEU) Audits to identify energy saving opportunities
  - Involvement of Energy End Users in Energy Reduction Programme
  - Elimination of issues that result in energy losses
  - Improving the profile of the site within network
  - Sustainable Energy Management System
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# Performance Management



FREQUENCY

# Energy and Utilities Dashboard



# Energy Efficient Design



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- Engage with the project team as early as possible e.g. at concept design phase
  - Use an independent consultant with Energy Efficient Design (EED) experience to assist with the process
  - Align key EED activities with key project milestones
  - Ensure that there are regular follow up meetings with Project Team apart from the main EED review
  - Use an Action Register to track all actions identified during EED reviews and meetings
  - Generate a list of design features based on opportunities identified from the site's Energy Management Programme
  - Generate a metering plan for the new facility for all Significant Energy Users
  - Ensure that utilities can be isolated quickly and HVAC shut down when not required
  - Complete reviews of URS/FDS for control systems to ensure that energy efficiency has been considered
  - Ensure that specifications for all Significant Energy Users are reviewed before tendering
  - Challenge Utilities set points and pressures and Air Change Rates
  - Complete reviews of all commissioning protocols, particularly for HVAC and Utilities systems
  - Ensure that all the utilities for the new facility are metered
  - Formalise the process used in an SOP
  - Have a plan and dedicated resource to monitor energy use during commissioning and operation

# Renewable Energy



- Wind Turbine will reduce Cork's carbon footprint by 4,000 Tonnes of CO<sub>2</sub>
- Annual savings from Wind Turbine will be €1M
- Project has been done in collaboration with other pharma and health care companies in the local area
- Project has been grant aided by IDA Ireland

## Allotments grab a grant

**Peter Horgan**

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Cobh Community Allotments was awarded a grant worth €7,000 from the Cork Lower Harbour Energy Group (CLHEG) recently as part of the Community Gain Fund.

The fund was established by companies DePuy, GlaxoSmithKline, Janssen Biologics and Novartis to encourage and develop initiatives with a clear focus on the environment in the lower harbour.

Cobh Community Allotments Association proposes to use the grant to install a well, low voltage lighting and improved signage around the allotment site.

"We are a non-profit community organisation so we are delighted to receive this grant from Cork Lower Harbour Energy Group," said Robin Howie, Chairman of the association.

"The funding will ensure the growth and development of the allotment scheme that has already proven very popular amongst the local community," he said.



Ann-Marie O'Sullivan, Director of H+A Marketing & PR and administrator of the Community Gain Fund presents a grant to Cobh Community Allotments Association chairman Robin Howie and committee members Arjen Stofberg and Jason Rowe. *Photo: Diane Cusack*

As well as allotments for the growth of vegetables and flowers, a communal composting area and water storage containers to harvest rainwater are also available to educate and promote the benefits of recycling and sustainability.

"I'm delighted to present this cheque on behalf of Cork Lower Harbour Energy Group to Cobh Community Allotments today," said Ann-Marie O'Sullivan, director of H+A marketing and PR and administrator of the Community Gain Fund.

"The allotments are a fine example of what can be achieved when a community comes together to get behind a green initiative that's of benefit to all," she said.

To find out more about the CLHEG and the Community Gain fund and the plans to improve sustainability in the region, visit [clehg.com](http://clehg.com)

**Community Gain Fund  
was set up as part of the  
engagement with local  
community**

# Dissemination and Development Network





do more  
feel better  
live longer

Thank you