



***Irish***   
***Country Meats***

***The Lamb Specialists***

## **Irish Country Meats**

# **FUNDING OUR GREEN BUSINESS**



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**10<sup>th</sup> June 2015**

# Irish Country Meats

## Presentation Content



- Company Introduction
- ICM Environmental Interaction
- Outline of Green Business Importance to ICM
- Enterprise Ireland Green Grant
- ISO 14001 ICM Case Study
- Capex Case Study
- Summary - Continuous Process of Improvement - Future planned improvements



Irish Country Meats – A Member of



*Market Leaders* in fresh meat processing



# GreenTrack



**“GreenTrack** is our strategy for embedding sustainability in all we do. With Agriculture, Integrity, Customers, Environment, and Colleagues & Communities at its heart.”

***It is our plan, our future...***

**We Support**



# GreenTrack



## Sustainability Mission Statement

“We need to play our part in  
building a resilient supply chain  
to ensure long term  
security of sustainable food supply ”

*Bert Allen: Founding Shareholder of Slaney Foods Group*



We Support



# Irish Country Meats

## Company In Brief



- ICM is the Largest Processor of Lamb In Ireland
  - **40% Share of National Kill (ROI)**
  - **Annual Production: 1,050,000 Sheep**
  - **425 Employees**
- Ireland's Only Dedicated Single Specie Processor
- Business Philosophy centres around Specialisation
  - **Processing Facilities**
  - **Value Added / N.P.D.**
  - **Waste Management / Yields/ Cost Control**
- Corporate Sustainability Philosophy centres around "Greentrack"
- *"Controlling the impacts that our activities, products and services have on the environment"*
  - **Approved IPPC Licence compliance**
  - **Accredited ISO 14001 Environmental Management Systems**
  - **Origin Green objectives and targets**

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## Green Business Importance



- **Greentrack Corporate Group Sustainability Policy** - enhanced corporate image & credibility – Wexford Green Business Award winner 2014
- **Environmental Legislation Compliance** – EMS is an ICM IPPC license requirement, section 2.2.
- **Increasing ICM International competitiveness** – demonstrating a commitment to sustainable and green production to internationally standards and energy efficient procurement.
- **Cost Savings** - through implementing the ISO14001 standard and Green projects, ICM has helped identify significant cost savings with greater emphasis on resource, waste and energy management
- **Origin Green** – Fulfilling ICM commitment as part of Bord Bia Origin Green registration.





- Establish Management Systems
- Integrate with the overall business management process
- Control the impacts that our activities, products and services have on our employees and the environment.



- **Environmental Management System**
  - ✓ **ISO14001 certification achieved 2014**



- **Safety Management System**
  - ✓ **OHSAS18001 certification achieved 2014**

# GreenTrack



## Carbon Foot Printing Programme Pilot Plant for Lamb



**Farming**



**Processing**



**Packing**



**Transport**



**Retail**

**Collaborating with Bord Bia and Carbon Trust  
to Quantify Carbon Emissions through the  
Lamb Processing Chain.**

**Results of study to be published in  
Quarter 2 2015**



**We Support**





# Irish Country Meats

Enterprise Ireland – Funding



- 2013 – Enterprise Ireland – Environmental Improvement Grant Approval
- Funding is two-fold
  - External training
  - Appointment of in-house EHS Manager
- Training & structure to present for ISO14001 Accreditation – Simultaneous Audit for both 14001 & 18001.
- Successful dual audit in May 2014
- Provided ICM with the support of an Environmental Specialist Consultancy
- ICM now have the knowledge and capability in-house to manage on-going improvements to our EMS plan.



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## Case Study - What is ISO 14001?



- ISO 14001 is a voluntary international standard that establishes the requirements for an Environmental Management System (EMS).
- The objective of the standard is for an organisation to establish an EMS that is integrated with the overall business management process and controls the impacts that their activities, products and services have on the environment.
- Elements of the EMS include Environmental Policy, Planning, Implementation and Operation, Checking, and Management Review.
- Integral to the model is the concept of continual improvement of the EMS with **Plan Do Check Act** approach.

# Irish Country Meats

## ISO 14001 Case Study



- Recruitment of dedicated Projects Manager with responsibility for procurement of new energy efficient equipment, energy projects and building projects.
- Recruitment of dedicated EHS Manager with responsibility for all Environmental and H&S issues on both of our Irish sites
- Following intensive environmental gap analysis of both sites, work improvement programmes were implemented.
- SEAI energy management audits provided as part of our projects on both sites



## Case Study - Wastewater Treatment Management – EI Part funded



➤ Use of rotary drum screen to reduce solids in effluent

➤ *0.75 mm screen removing raw solids before entering WWTP system*

➤ *20% reduction of electricity consumption by VSD controlled aeration system*

➤ *25% reduced sludge generation and removal*

➤ *Issue of annual solids buildup in balance tank eliminated*

➤ *Reduced pump downtime throughput WWTP*



# Wastewater Treatment Management – ISO 14001 Objective



## ➤ Upgrade of WWTP

- *Switch to fine bubble diffuse and venturi aeration treatment over surface aeration*
- *50% decrease in electricity costs with fine bubble wastewater treatment VSD controlled upgrade in 2014 over surface aerators*
- *Fine bubble diffused aeration will produce 3.0 kg O<sub>2</sub>/kWh compared to surface aerators will producing 1.2 kg O<sub>2</sub>/kWh*
- *Odour emission rate reduction by 400% with fine bubble diffusion compared to surface aeration*



# Summary - Environmental Management Initiatives at ICM



Increased  
Recycling

Zero waste  
To  
Landfill Policy

ISO 14001 &  
OHSAS 18001  
accreditation

Reduced solids  
in Waste Water  
Discharge

All electricity  
sources from  
Renewable  
Sources

Composting of  
Food Waste

Reduced  
general  
waste per  
unit per  
produced

Cold Chemical  
Sterilisation

Paperless  
Office

**Achievements since receiving  
Green Plus Grant funding**

Reduced  
tertiary  
packaging

Innovative  
new  
products  
reducing  
rendering  
waste

New  
Compressed  
Air System

Wexford Green Business Award Winner 2014

Waste Water  
Treatment Plant  
upgrades





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