

# ISO 50001 at Aurivo Dairy Ingredients

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Presented to: IBEC

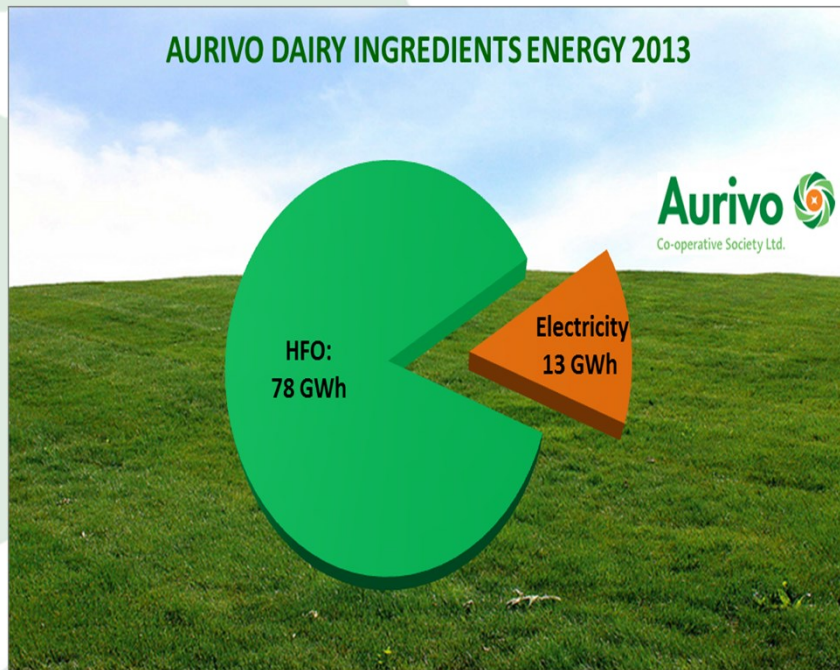
# Company Profile



- 60 Employees in this facility
- Process 230 million litres of milk annually
- High energy intensity milk drying process
- Supply to a range of customers internationally



# Energy at Aurivo Dairy



- Significant energy spend of circa. €6m
- Structured energy management required to obtain maximum benefit
- Looked to implementing an energy management system

# EnMS System Implementation

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- Focus put on energy management since 2009.
- Review of energy onsite performed.
- Quick wins obtained through Significant Energy User identification.
- More structured approach required to get maximum benefit.
- Decision to implement ISO 50001 in 2011.

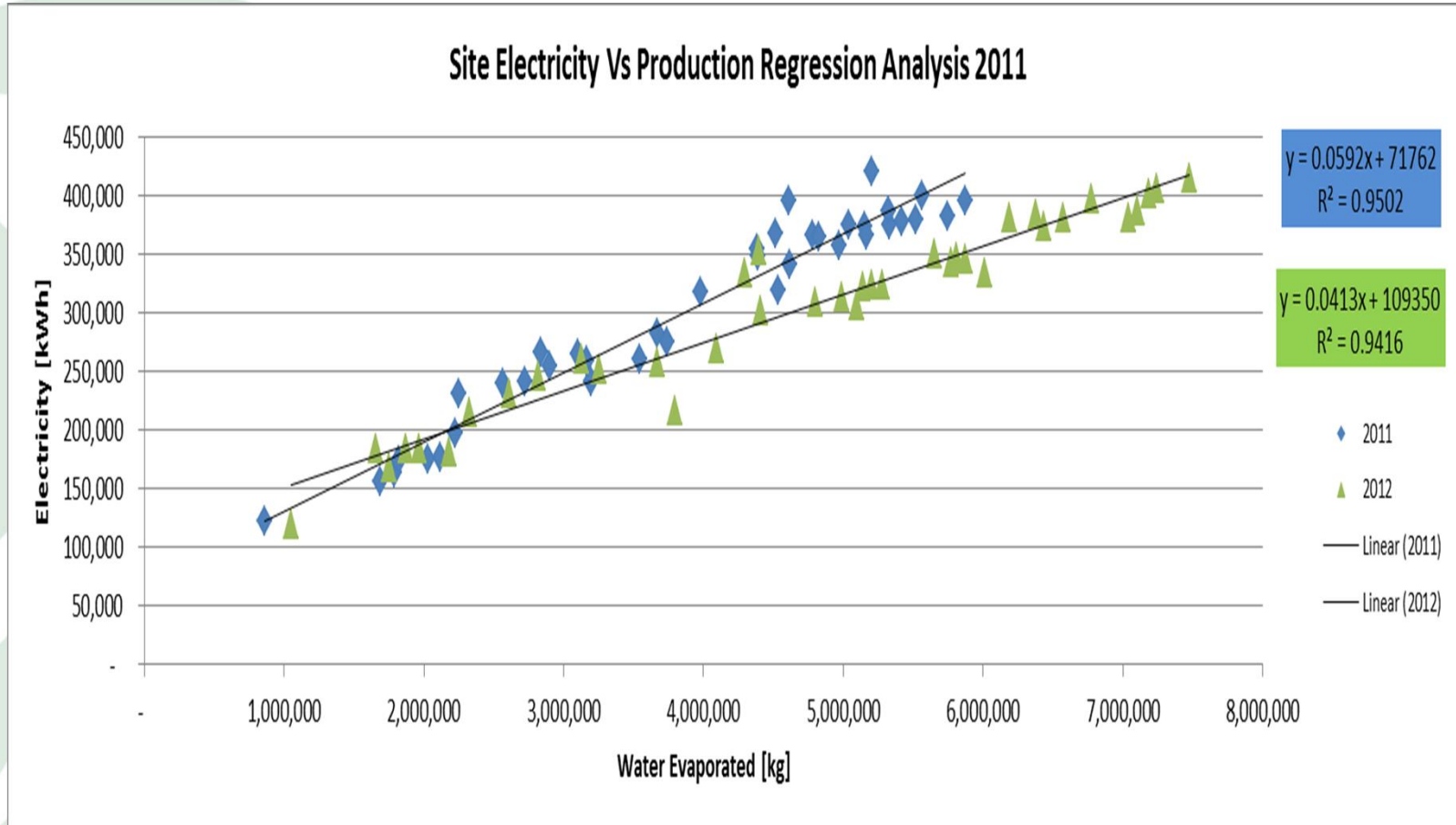
# EnMS System Implementation

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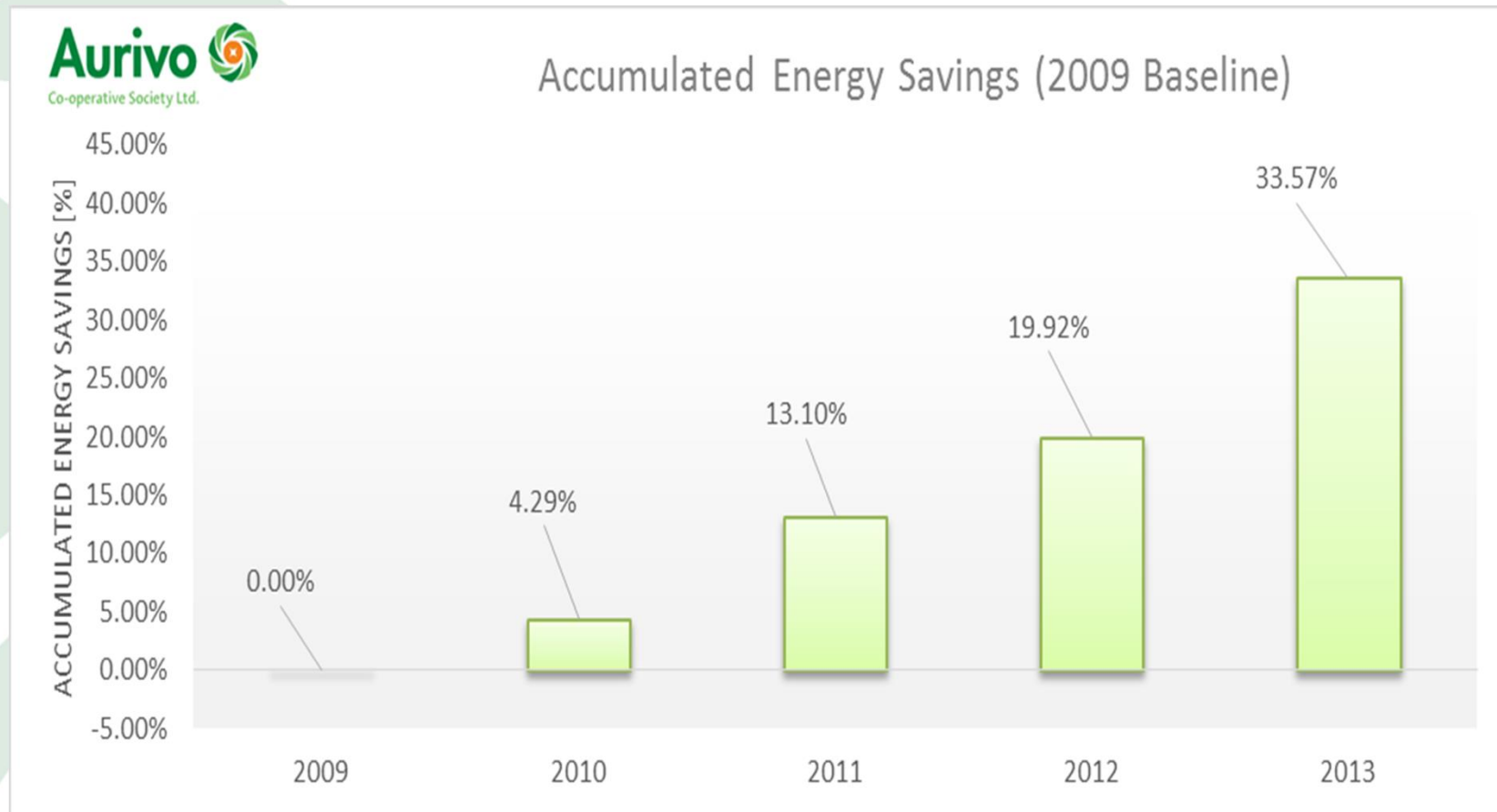
- Integrated the EnMS implementation into the existing Lean Manufacturing program.
- Focused on the people aspect of system implementation for maximum uptake.
- Operational control led process and utilities improvements focused on low and no cost savings.



# Focus on Significant Energy Users and Drivers



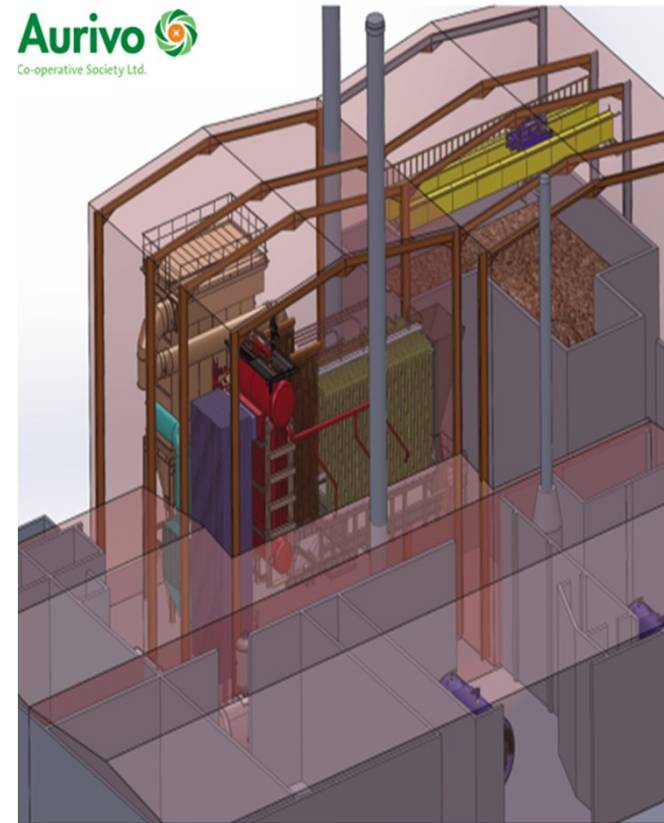
# Benefits of Energy Management





## Additional Benefits

- Justification for Capex projects due to data based approach.
- €5.25m Biomass project completed in 2014.
- Phase II of Biomass project underway – CHP Expansion





# Lessons Learned

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■ Structured energy management **plus** lean delivered superior performance improvement over “business as usual” through:

- ✓ People Engagement
- ✓ Change Management
- ✓ Organisational Changes
- ✓ Effective Use of Data
- ✓ Management Support to Change Initiatives

Thank You

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