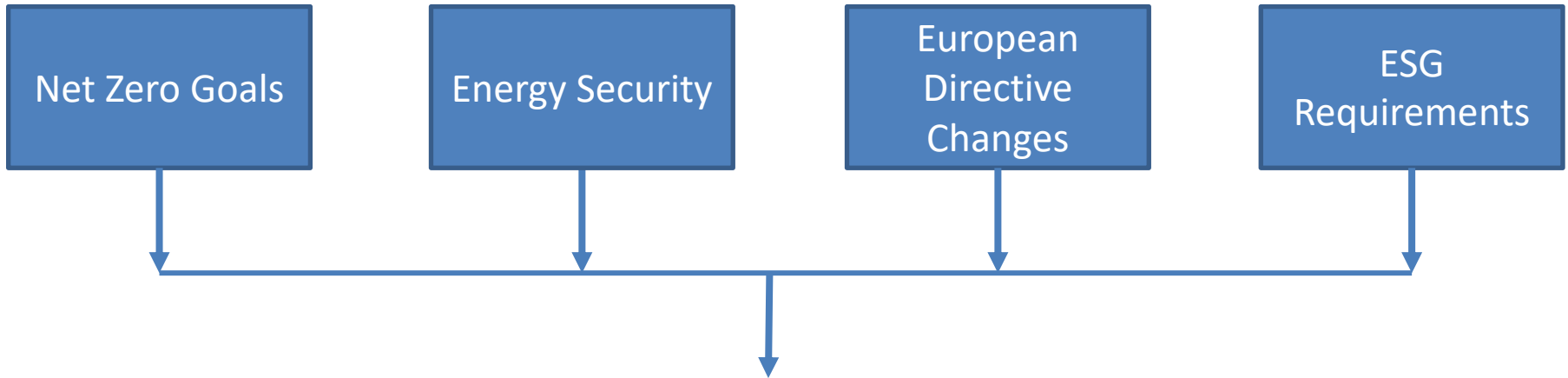




Presentation
29 August 2023

Ian Boylan, CEO & Co-Founder

Market State



Purpose

- Deliver Continual improvement in energy performance
- Therefore reduced emissions

What is a management system?

- Set of interacting elements of an organisation to establish policies, and objectives, and processes to achieve those objectives!
 - Clause 3.2.1
ISO50001:2018
- Your energy management system **SHOULD** be a **TOOL** to deliver what you want to achieve in the organisation



Why do ISO
50001
systems
require so
much
preparation
for audit?

- Because a **LOT of organisations that are certified to ISO 50001 do NOT** have Energy Management Systems
- Lots of organisations have **Energy Accounting Systems!**

Management Systems are supposed to be aligned to the purposes of the organisation!





Alignment is critical

- When building a management system, it is critical to build it around the organization, not the other way around.
- Blue Peter approaches are destined to failure

Context of the organisation

Production Environment

Priority 1: Product
Quality + legal
compliance

Priority 2: Meet
production
deadlines/ max
product output

Priority 3:
Resource Efficiency
(including energy)

Context of the organisation Services Provider

Priority 1: Service
delivery + legal
compliance

Priority 2: Meet
customer demand
deadlines/ max
service output

Priority 3:
Resource Efficiency
(including energy)

Improvement Means Change!

- To deliver improvement of scale in any business requires a real understanding of the organisation and the potential impacts of what you do on the organisation.
- Without getting that real understanding in the first place limits the scale of improvement you will achieve.





For each SEU “determine current performance”

- In my opinion this is the clause of the standard that is least understood and least complied with across the EnMS world
- When this is not done properly Energy Performance improvement is always constrained.
- Benchmark yourself against best practice for each SEU – Get to know what improvement can be



Energy Performance Indicators

- The purpose of an Energy Performance Indicator is to enable the organisation to demonstrate improvement
- EnPI's and SEU's do NOT need to be seamlessly linked
- Having EnPI's at Building Level and SEU's at system level is compliant with the standard – and often works quite well.



Internal Audits (another pet peeve)

- Internal audits are primarily there to check if your management system is working
 - Not to see if you meet the requirements of the standard
 - Not to see if you are complying with your management system
- No internal audit training course I am aware of seems to have read the 2018 standard (including training delivered by the certification bodies)

Beware of Consultants (I am one)

- To some consultant's, knowledge is power – and they will do their best to ensure that your EnMS is reliant on their input
- An EnMS that maximises the use of external resources and minimises the use of internal resources will always limit the potential improvement as it will never look close enough at core business delivery.



Trends to be aware of



Environmental Social Governance (ESG)



Corporate Sustainable Reporting Directive (CSRD)



Zero Carbon Plans and roadmaps



Planned ISO Standard on ESG (WD stage)



Energy Management is an integral part of all of these



**Delivering Energy Management
System Objectives**

What is Baseline 50001



- Custom developed software tool for effective energy management
- Delivers an effective framework for ISO 50001 compliant management
- Focuses attention to the essential components of “real” energy management

What does Baseline 50001 DO?



- Helps organisations manage their energy effectively to improve profitability, reduce environmental impact and minimise bureaucracy
- Delivers an effective tool for energy management
 - What SAP does for the resource management
 - What Maximo, PMAC etc does for maintenance management
 - What the calculator does for the mathematician

Features (a short selection of them)

- Visually focus of energy breakdown in sankeys
- Practical and effective prioritisation tools
- Simple and effective target selection tools
- Interaction of different projects accounted for
- Import raw data from 3rd party systems
- EnPI assessment with automated “trigger alarms”
- Task management and project management
- Automated reports
- Newsletter feature
- 50001 in a single system with interactions where required
- Audit ready at all times

What does Baseline 50001 deliver for YOU? (as the owner)



Maintains system focus on delivery of improvements, cost reduction, emissions reductions



Delivers clear, understandable budgeting, targeting, reporting & review features that allow for effective management input



Reduces the business risk when key employees depart, and the “bedding in time” of their replacement

What does Baseline 50001 deliver for YOU? (as the energy manager)



Reduces bureaucracy, allowing the ability to focus on key objectives



Delivers effective tools for delegation of tasks and practical project management



Automated scheduling of key activities and automation of processes where possible

What does Baseline 50001 deliver for You? (EnMS Compliance Manager)



System output driven audit ready at all times



Internal audit scheduling, delivery, NCR management automated with minimal input and system managed



Responsibility for compliance becomes collective, appropriate middle management delegation and clear tracking of system activities

What does Baseline 50001 deliver for You? (EnMS Compliance Manager)



System output driven audit ready at all times



Internal audit scheduling, delivery, NCR management automated with minimal input and system managed



Responsibility for compliance becomes collective, appropriate middle management delegation and clear tracking of system activities

What does Baseline 50001 deliver for YOU? (the employee)



Clear tasking of what you need to deliver, tools & information required and clear timeframe



All information and resources provided in single system, tasking received via outlook with practical link to outlook calendar tool



Clear lines of responsibility to direct line management for deliverables with clear processes for prioritization of tasks, time extensions etc.

What does Baseline 50001 deliver for You? (the IT Manager)



Cloud hosted, with ability to provide local server hosted applications also



System maintenance, software licenses technical support etc. managed by ISO Baseline Ltd



Data security, data mirroring, GDPR requirements all agreed up front and committed to by ISO Baseline Ltd in a formal contract

What does Baseline 50001 deliver for Corporate?



Multi-site feature available for multi-national entities to automatically share “relevant” data. Not a “big brother” system



Multiple locations on a single EnMS system (eg Retail chain, Local authority) effectively managed with clear information for the “organization” and the “component of the organization”



Gives ability to look at data across the organization and interrogate it in a manner never previously possible!

What does Baseline 50001 deliver for the organisation?



Improved profitability, improved emissions, efficient use of employee time and resources



Improved communication, improves image, self-branded, improved employee engagement



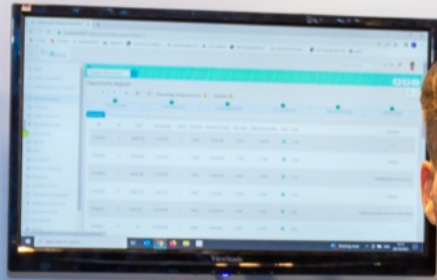
System output focused, audit ready 100% of the time, Energy Management for the 21st Century

For the 21st Century

Baseline 50001 has been developed for the energy manager that wants to focus their efforts towards energy management using a structured approach

50001

- Take the pain out of managing



Baseline 50001

- Improves the outcomes of the EnMS
- Organisation decision making streamlined
- ISO audit ready at all times
- Delivers organisation energy resilience
- The energy manager's system toolkit



Thank you for the opportunity to present

Questions?



Please contact info@isobaseline.com or ian.Boylan@isobaseline.com if you would like further details or to arrange a demonstration of the actual Baseline 50001 software system