



Strategies and solutions for achieving and maintaining environmental regulatory compliance and safety

Antony Sumner

Environmental Compliance Ltd



Is there a magic solution or product that will do it all?

- Unfortunately the answer to that is NO
- Lots of products that can assist, no single one or magic button that does it all, so avoid anyone who says that they have one
- The best way or formulating a strategy and therefore be nearer to a solution is to operate an **Environmental Management System** or **EMS**

Types of Environmental Management Systems / Standards

- **BS ISO 14001:2004** – Environmental Management Systems – Requirements with guidance for use (14K worldwide are certified, with in excess of 1200 in the UK)
- **EMAS (III)** – EU Eco-management Audit Scheme (7K plus sites in Europe are registered on this scheme)
- **Green Dragon** – 5 Levels (Level 5 equivalent to ISO14001). 17 Welsh based companies have Level 5.

Why have an Environmental Management System? (1)

- **Providing your company with assurance that you meet, and will continue to meet, your environmental management system commitments and corporate policy requirements through a systematic approach to environmental management**
- **Providing potentially fewer surveillance visits from regulatory agencies by being able to demonstrate that you meet your permit requirements (mandatory obligation of a large number of permitted installations under EPR 2010)**
- **Showing your business partners, regulatory agencies, and community that you are environmentally responsible.**
- **Open more tender opportunities as ISO14001 companies will look to offer work to companies that share similar values and accreditation / certification levels**
- **Increasing profits through potential process improvements, reduction in waste disposal costs and energy conservation.**
- **Reducing your environmental liability.**
- **Reducing costs as a result of potentially lower insurance rates.**
- **Verifying your systems for recognizing and complying with environmental laws and regulations (ISO 14001 recognised throughout the world)**

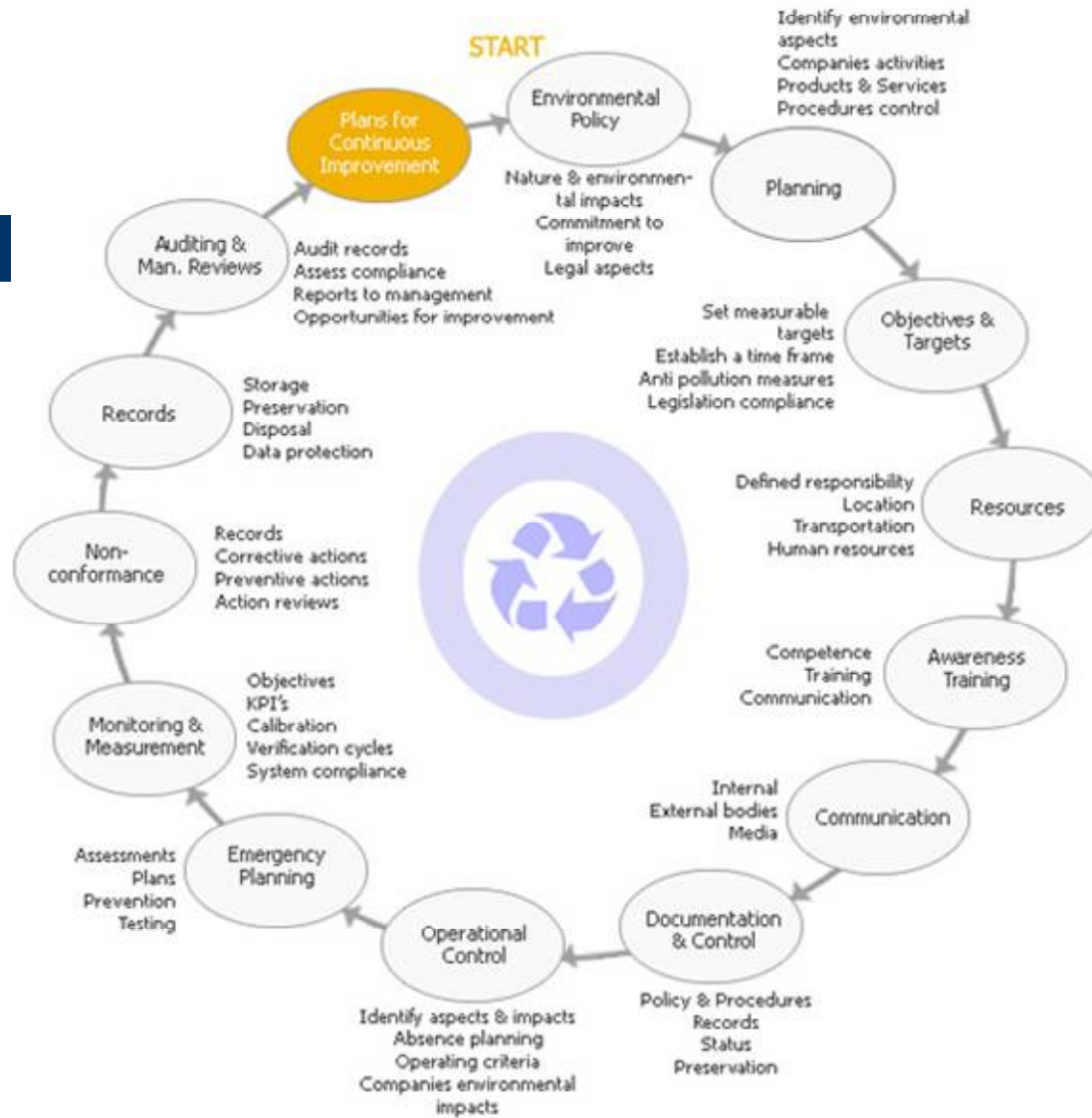
Why have an Environmental Management System? (2)

- **Improving relationships with regulators** - organizations that implement a recognized EMS often report improved relations with government regulatory agencies, find that regulators are quicker to provide technical support, and find that the regulators are much more supportive in general.
- **Capturing institutional knowledge** - EMS ensures this information is properly documented, communicated and retained. The cyclical nature of this management system further ensures all system information is reviewed and updated at least annually.
- **Streamlining operations** - organizations often realize monetary savings as a result of greater operational efficiency and energy conservation, and reduction in use of hazardous materials and generation of hazardous wastes.
- **Increased awareness and participation** - organizations benefit from better communication about environmental issues inside and outside the organization. EMS gives people an avenue to raise environmental issues and makes it clear that environmental performance is an important part of the corporate culture.
- **Safety benefits** – by reviewing the procedures for controlling significant operations, including a review of emergency preparedness and response procedures, organizations are able to identify and implement significant safety improvements

PDCA Principle

- 🌈 **PDCA** Principal
- 🌈 **Plan** – Establish objectives and processes necessary to deliver results in accordance with the organisations policy
- 🌈 **Do** – Implement the process
- 🌈 **Check** – Monitor and measure processes against policy objectives, targets, legal and other requirements and report these results
- 🌈 **Act** – Take actions to continually improve performance of management systems
- 🌈 Same principal is used in ISO 9001, ISO14001, EMAS, OHSAS 18001.....

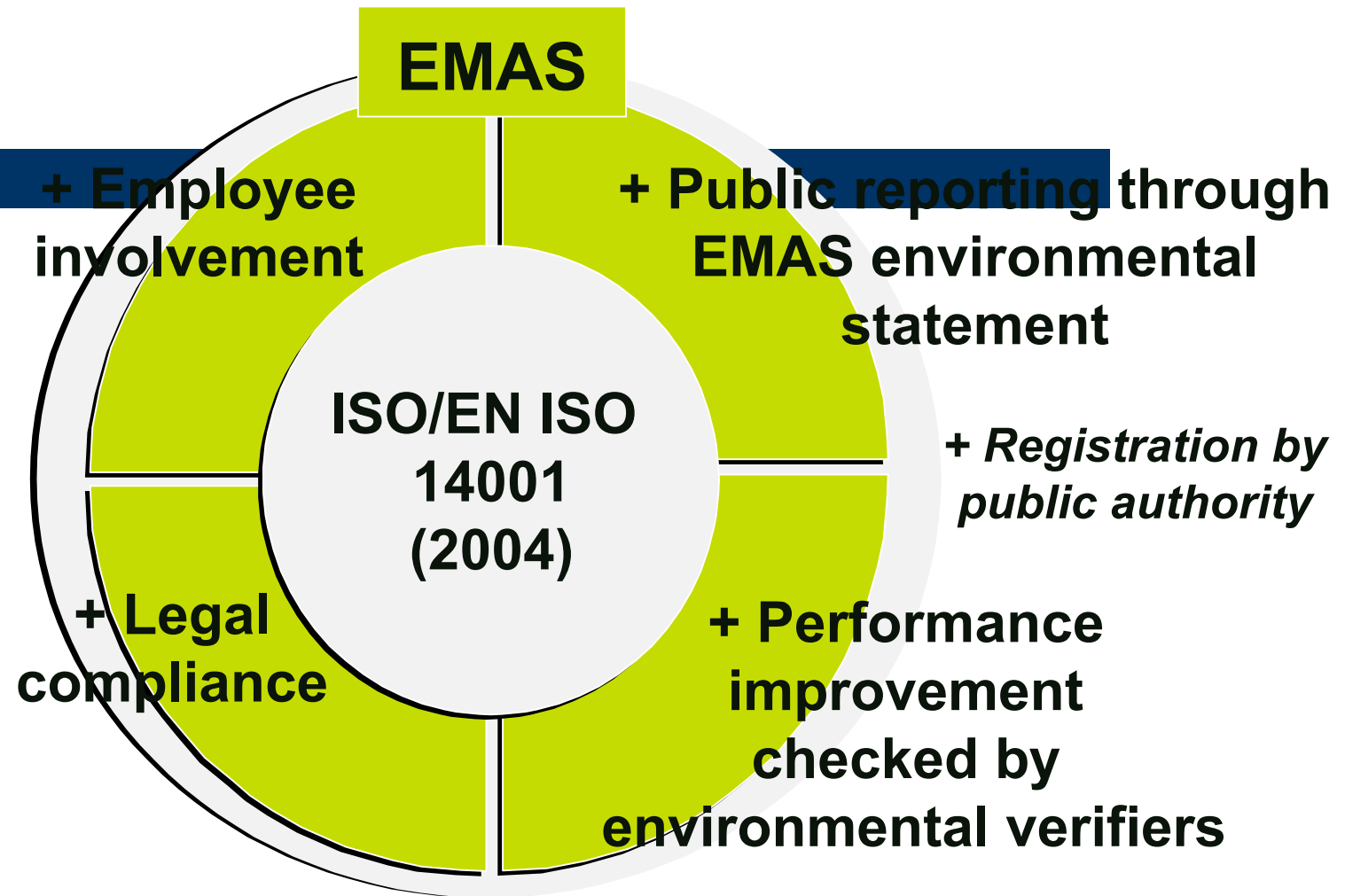
ISO 14001 Process Flow



EMAS PDCA Principle

- **P** = planning and structuring the EMS
- **D** = doing, and realising your programme
- **C** = controlling and evaluating environmental performance
- **A** = acting on continual improvement and equally important, communication and verification

EMAS (III) goes further than ISO 14001



EMAS Information

- European Union: <http://www.europa.eu>
- EMAS Register: www.emas-register.eu
- EMAS Toolkit for small organisations:
www.ec.europa.eu/environment/emas/toolkit/
- EMAS Easy:
http://ec.europa.eu/environment/emas/tools/emaseasy_en.htm
- European Portal for SMEs: www.ec.europa.eu/enterprise/sme/
- EU Ecolabel: www.ec.europa.eu/environment/ecolabel/
- Green Public Procurement (GPP):
www.ec.europa.eu/environment/gpp/index_en.htm
- Environmental Compliance Assistance Programme for SMEs (ECAP): www.ec.europa.eu/environment/sme/index_en.htm
- European Environment Agency: www.eea.europa.eu
- International Standard Organisation (ISO): www.iso.org

Implementation

- Decide why you want an EMS – this will determine the scope of your targets and objectives
- Can ISO14001 systems be linked in with systems already operating e.g. ISO9001
- Look at the types of systems available to see which system type works for you (e.g. on-line / software systems may not be suitable for all types of businesses)
- Ensure that you set aside the time and resources required to a) implement and b) run the systems

Implementation Timescales

- How long does it take?
- Depends on the size and structure of the organisation
- Depends very much on how much resource is made available
- Depends on what you are trying to achieve