Premium environmental management

EU Eco-Management and Audit Scheme
What is EMAS?
Voluntary environmental management instrument designed by the European Union

Aim
Continuous improvements in the environmental performance of companies and other organisations

Means
Management system allowing organisations to measure, evaluate, report and improve environmental performance

Outcomes
Efficiency improvements and better management of environmental issues and credible information on these issues
EMAS follows a systematic ‘Plan-Do-Check-Act’ approach

- **Plan**
  - Environment policy
  - Objectives & targets

- **Do**
  - Structure
  - Responsibility
  - Training
  - Communication

- **Check**
  - Monitor
  - Measure
  - Record
  - Audit

- **Act**
  - Management review
  - Continuous improvement

Environment
What are the core elements of EMAS?

EMAS
Premium benchmark for environmental management

Performance
Carrying out actions to achieve and evaluate environmental policy targets

Credibility
Third party verification by independent environmental verifiers guarantees the value disclosed information

Transparency
Environmental statements provide public information about the environmental performance of the organisation
Who can participate?

I. Organisations operating in **all economic sectors**

II. Organisations with sites **worldwide**

* It is in the realm of EU Member States to allow registration of organisations located outside EU, EEA and Accession Countries. Please visit [www.emas.eu](http://www.emas.eu) for further information.
What are the steps to EMAS registration?

(1) Conduct an environmental review

(2) Adopt an environmental policy

(3) Develop an environmental programme

(4) Establish an Environmental Management System
What are the steps to EMAS registration?

- **(5)** Carry out an internal environmental audit
- **(6)** Prepare an environmental statement
- **(7)** Independent verification and validation by an environmental verifier
- **(8)** Registration with the Competent Body and use of EMAS logo
What are benefits of an EMAS registration?

1. **Cost reductions**: more efficient resource use (e.g. energy, water)
2. **Risk minimisation**: possibilities to reduce associated risk levels by assessing operational procedures & legal compliance
3. **Regulatory compliance**: greater awareness and knowledge of regulatory requirements
4. **Regulatory relief**: regulators may choose to relax regulatory requirements
5. **Improved relations with internal stakeholders**: employee involvement and training under EMAS can lead to improved employee morale
6. **Improved relations with external stakeholders**: EMAS registration of a site in close proximity to residents can enhance credibility and transparency
7. **Competitive advantage**: EMAS registration can lead to improved market access and increased market share
EMAS goes further than ISO 14001

- Employee involvement
- Public reporting through EMAS environmental statement
- Legal compliance
- Registration by public authority
- Performance improvement checked by environmental verifiers
In the spotlight: six environmental core indicators

<table>
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<tr>
<th>Environmental key area</th>
<th>Input/Impact</th>
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| **Energy efficiency**  | Total direct energy use: total annual energy consumption, expressed in MWh or GJ  
Total renewable energy use: percentage of total annual consumption of energy (electricity and heat) produced by the organisation from renewable energy sources |
| **Material efficiency**| Annual mass-flow of different materials used (excluding energy carriers and water): *in tonnes* |
| **Water**              | Total annual water consumption: *in m³* |
| **Waste**              | Total annual generation of waste: *in tonnes*  
Total annual generation of hazardous waste: *in kilograms or tonnes* |
| **Biodiversity**       | Use of land: *in m² of built-up area* |
| **Emissions**          | Total annual emission of greenhouse gases (incl. at least emissions of CO₂, CH₄, N₂O, HFCs, PFCs and SF₆): *in tonnes of CO₂ equivalent*  
Total annual air emission (incl. at least emissions of SO₂, NOₓ and PM): *in kilograms or tonnes* |

Indicators are included in the environmental statement and help adequately measure and monitor performance.
In the spotlight: EMAS logo

The logo is a quality mark and can only be used by registered organisations
EMAS benefits – publications

www.ec.europa.eu/environment/emas
What are costs of an EMAS registration?

| (a) | **Fixed costs:** assumed to be unrelated to staff numbers (e.g. registration fees, IT costs) |
| (b) | **External costs:** incurred by employing external consultancy to support EMAS implementation (e.g. employee training) |
| (c) | **Internal costs:** incurred by organisation staff to implement, administer and report on EMAS (e.g. internal audit) |

Costs vary with the size and the sector of the organisation*

* For detailed information about the costs of EMAS implementation and financial incentives, please contact your national Competent Body
## EMAS development

<table>
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<th>EMAS I</th>
<th>29 June 1993 1995</th>
<th>EMAS adopted by the European Council. EMAS opens for participation by industrial companies.</th>
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EMAS statistics

EVOLUTION OF ORGANISATIONS AND SITES
Quarterly Data 30/06/2014

www.emas-register.eu
Further information on the official EMAS website

www.ec.europa.eu/environment/emas
Links

- EMAS Register: [www.emas-register.eu](http://www.emas-register.eu)
EMAS Helpdesk contact information

Email: emashelpdesk@adelphi.de
Tel: +49 (30) 89 000 68 - 285
Fax: +49 (30) 89 000 68 - 10
Website: ec.europa.eu/environment/emas

The Helpdesk is operated by adelphi in cooperation with Arktic and 21 Solutions on behalf of the European Commission, Environment DG