

The EDIT Value fast-track version –

Experiences from two small metal processing enterprises in Germany

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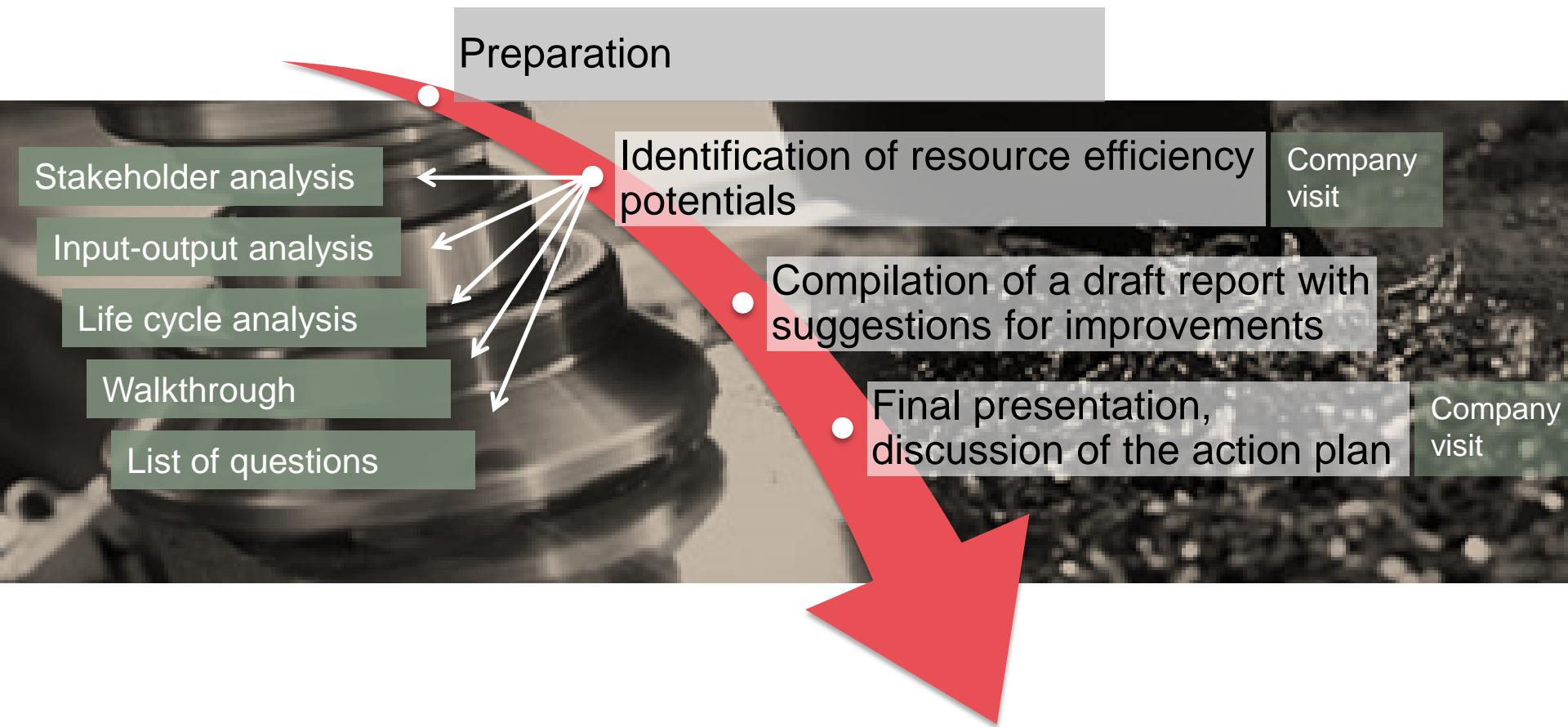
TU Berlin / Federal Environment Agency, Germany

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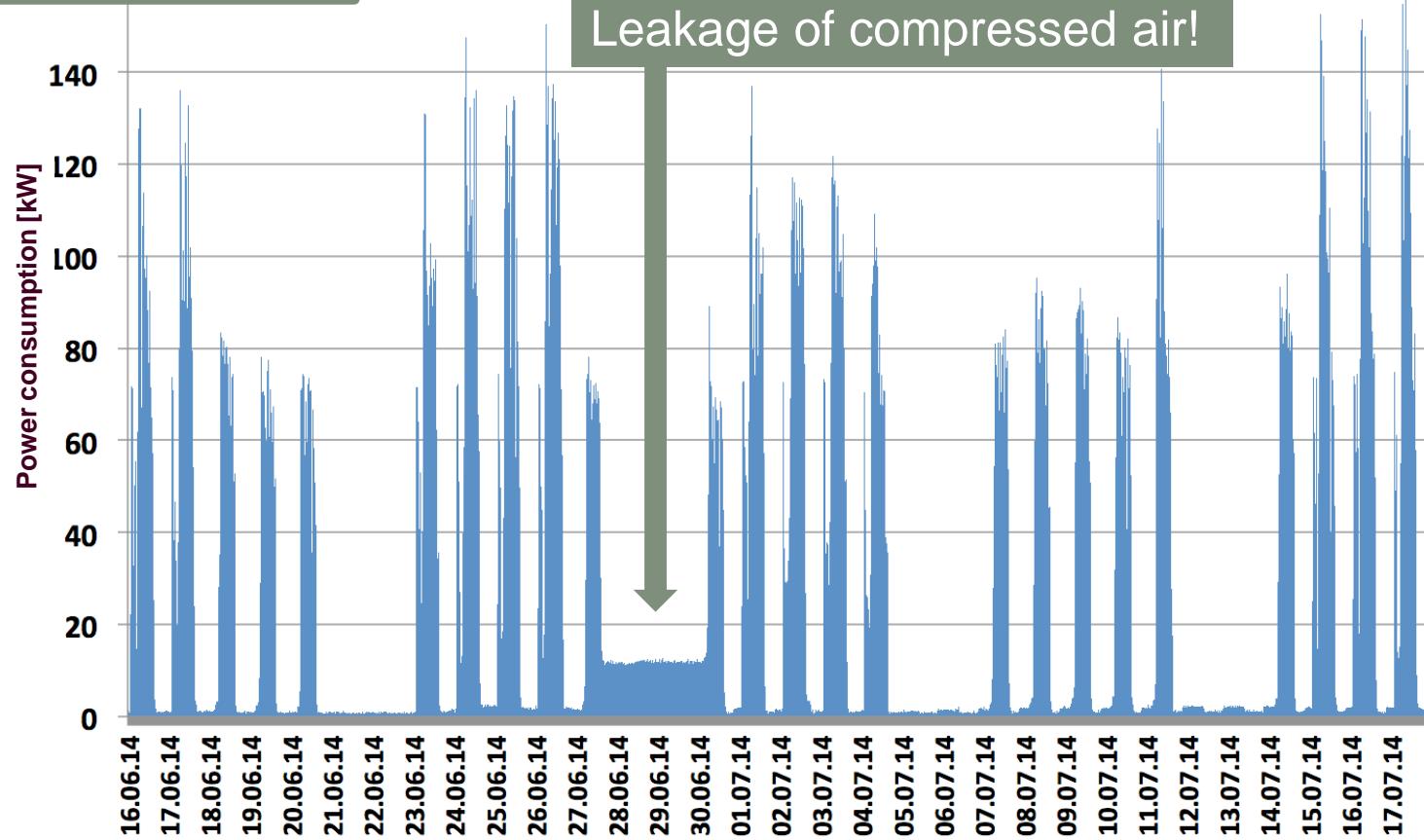
	SME 1	SME 2
Sector	Metal-processing (founding)	Metal-processing (milling)
Employees	28	8
Annual turnover	About 3 Mio EUR	About 1 Mio EUR
Products	Aluminium castings	Milled metal parts





Preparation phase

Leakage of compressed air!



Potentials according to the list of questions

Socially sustainable design

End of life

Use phase

Distribution

Manufacturing

Strategy

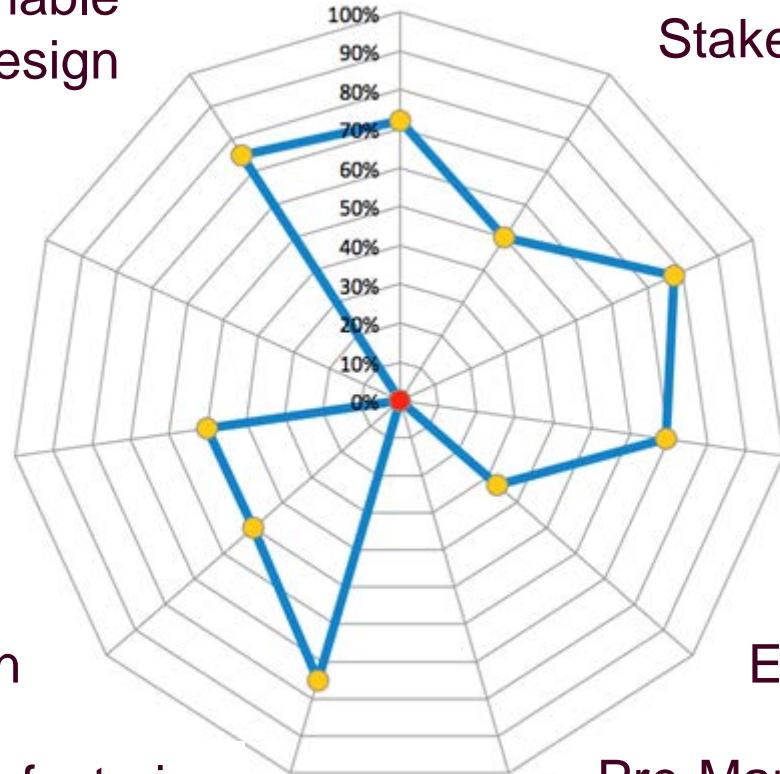
Stakeholders

Management System

Production / Processes

Ecological impact

Pre-Manufacturing



Stakeholder analysis



Potential analysis revealing lacking or insufficient...

Business Strategy

Environmental Management System

Information Management System

Management of potential to increase energy efficiency

Control of processes and equipment

Walk through



Business Strategy

Environmental +
Information
Management System

Management of
potential to increase
energy efficiency

Control of processes
and equipment

Translate visions and values into strategy

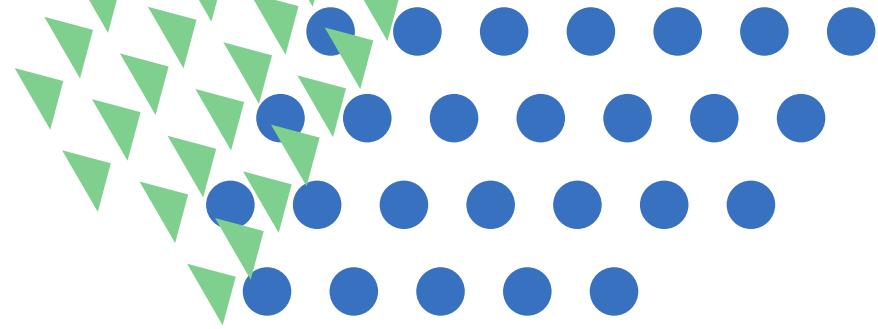
EMAS easy

Energy management system „light“

Key performance indicators,
Sankey diagram, work safety rules

- Apply energy **key performance indicators** and energy management system „light“
- Replace **lamps**
- Eliminate leakage and lower pressure of **compressed air**
- Use **waste heat of compressors** for heating water
- Consider the **internal rate of return** for new investments
- Consider **life cycle costs** for new investments
- Consider resource **efficiency in procurement** activities
- Translate visions and ideas into **strategic goals**
- Implementation of **IT system security**
- Prepare trainings and energy-saving **instructions for employees**
- Promote **safety at work** (regarding dust and noise)

- **Visualising** the process flow of EDIT Value
- Better **understandable** questions and explanations
- Developing **templates** for the final report
- Consider how to deal with **sensitive data** regarding inputs, losses and related costs



Thank you for your attention!

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