

# The EDIT Value fast-track version -

Experiences from two small metal processing enterprises in Germany



PRESOURCE Workshop Bologna 18 September 2014











# **EDIT Value in Germany**

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















# Metal casting in SME 1















# Metal casting in SME 1













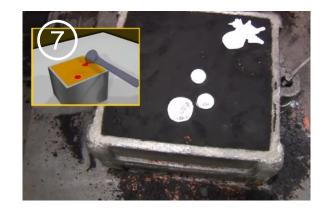








# Metal casting in SME 1







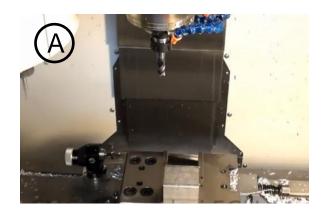








# Metal milling in SME 2











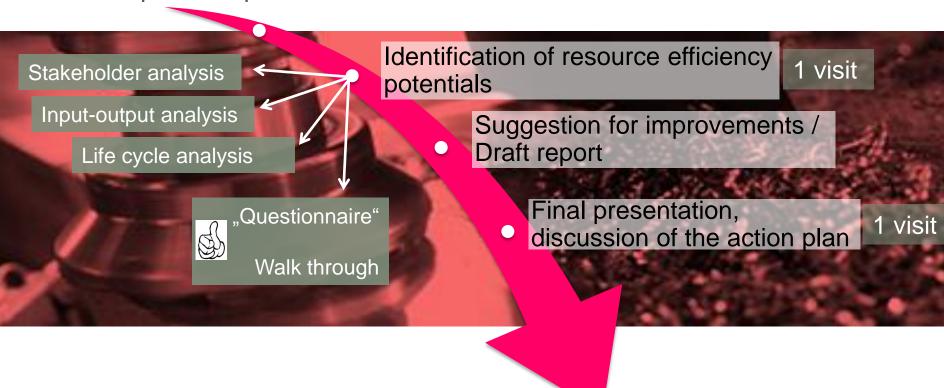






#### **EDIT Value Procedure in Germany**

#### Preparation phase!



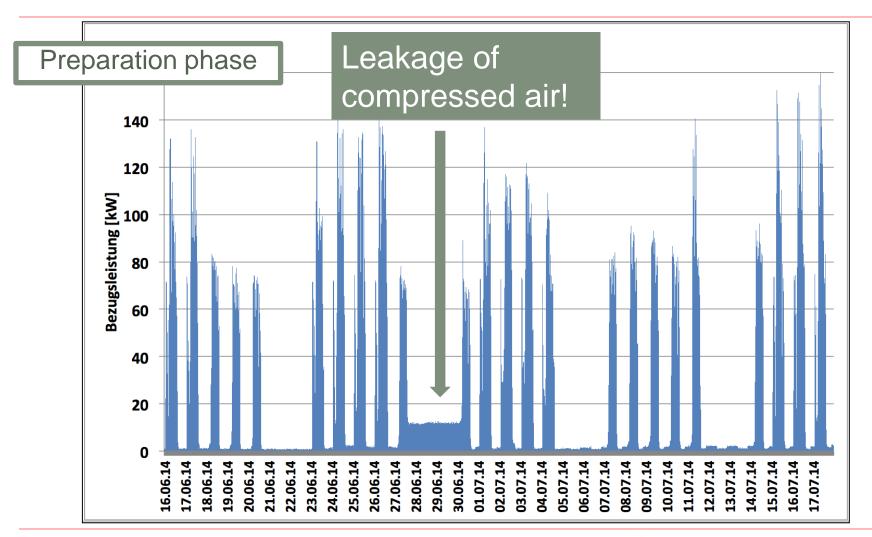








#### **EDIT Value Procedure in Germany**





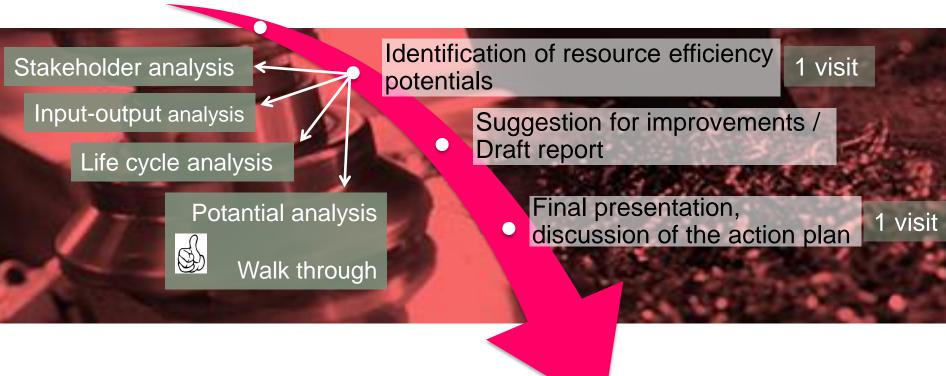






#### **EDIT Value Procedure in Germany**

#### Preparation phase





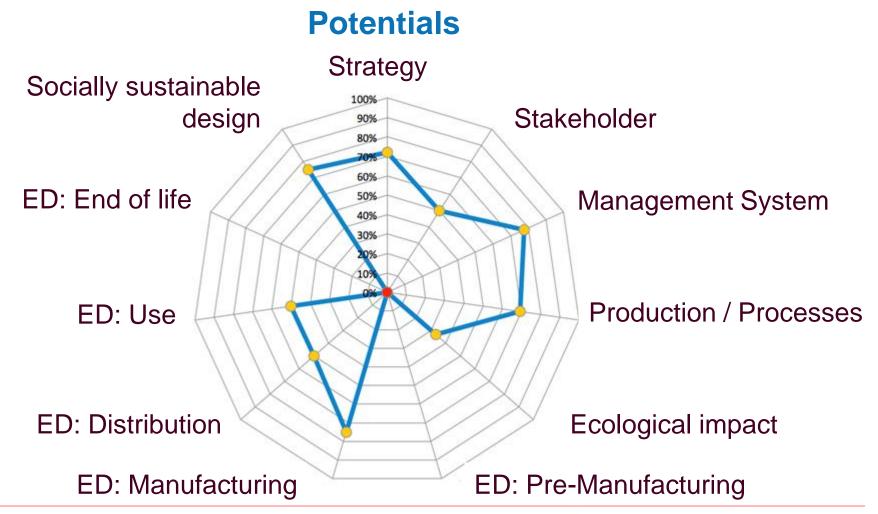








### SME 1: Importance of aspects





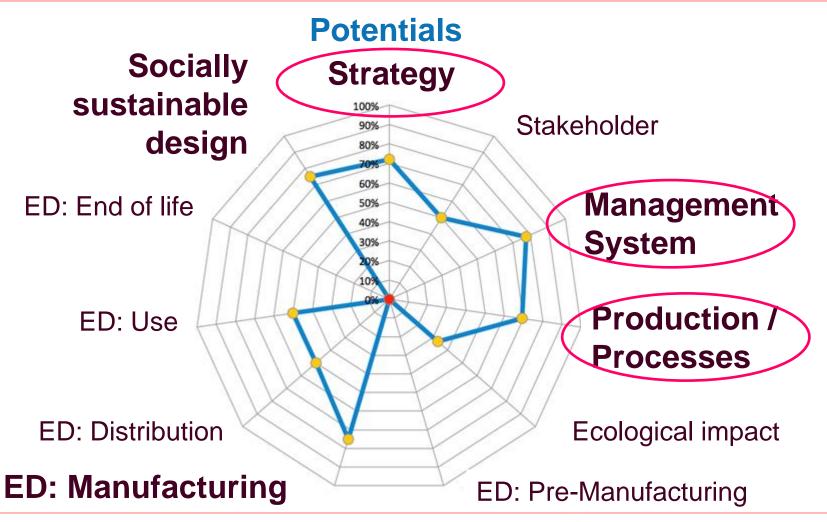








SME 1: Importance of aspects













#### Results for SME 1

Stakeholder analysis

Potential analysis

**Business Strategy** 

Environmental Management System

Information
Management System

Management of potential to increase energy efficiency

Control of processes and equipment

Walk through











#### Results for SME 1

Stakeholder analysis



Potential analysis

**Business Strategy** 

Environmental

Management System

Information
Management System

Management of potential to increase energy efficiency

Control of processes and equipment

Walk through

















#### Results for SME 1

**Business Strategy** 

Vision – Mission – Values - Strategy

Environmental +
Information
Management System

EMAS easy?

Management of potential to increase energy efficiency

**Energy Management Light** 

Control of processes and equipment

Key performance indicators, Sankey diagram, work safety rules,









#### To Do's

Use energy key performance key indicators & energy management system light



Consider the **internal rate of return** for cost savings



Use waste heat of compressors for heating of water



Replace lamps



Compressed air: lower pressure, detect and fix leaks



Prepare an "energy instruction" for employees, provide trainings



Consider **life cycle costs** for new facilities, projects ...



Consider resource efficiency in procurement activities -> be creative!



Formulate your good ideas for a vision, values, and strategic goals



Assess IT security, prepare an IT security strategy



Employees should consider work saftey conditions (dust, noise)











## **Strong Points of EDIT Value**













# Optimize reporting: templates, "automated procedures"

-> Evaluation and reporting are time-consuming!

Input	Product- Output	Total loss	Possible improvements
Sand	0 %	5000 EUR	Monthly assessment; increase recycling rate
Electricity	0 %	50000 EUR	<ul><li>Replacement of lamps</li><li>Optimize compressed air station</li></ul>
Gas	0 %	80000 EUR	<ul><li>Improve isolation of melting furnaces</li><li>Use gas meters as benchmark</li><li></li></ul>











# Optimize reporting: templates, "automated procedures"

-> Evaluation and reporting are time-consuming!

Input	Product- Output	Total loss	Possible improvements
Sand	0 %	5000 EUR	Monthly assessment; increase recycling rate
Electricity	0 %	50000 EUR	<ul><li>Replacement of lamps</li><li>Optimize compressed air station</li></ul>
Gas	0 %	80000 EUR	<ul><li>Improve insulation of melting furnaces</li><li>Use gas meters for monitoring</li></ul>

Think about using "strategic units"







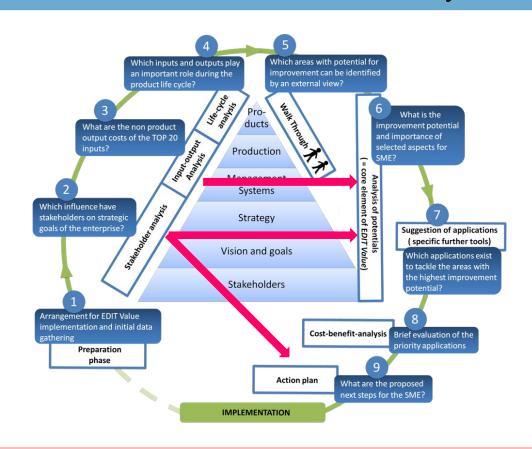




### One flow! Show the connections between the analyses!

Use more interconnected "online" elements

Think about ratio time – benefit of EDIT Value







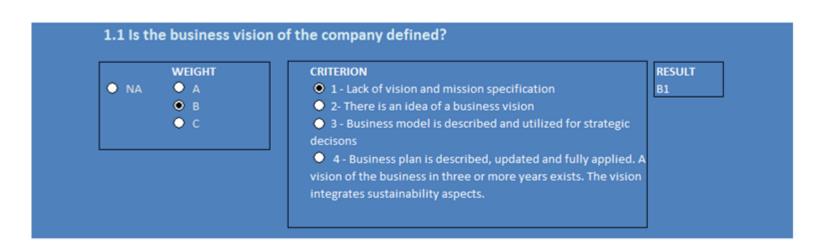






Describe aspects in the "questionnaire" clearer and in a simpler way!

#### 1. BUSINESS STRATEGY & STAKEHOLDER



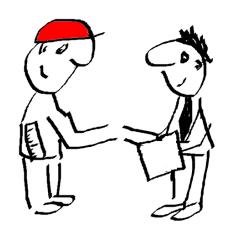








Evaluation of the analyses and final results highly depend on the facilitator / consultant!



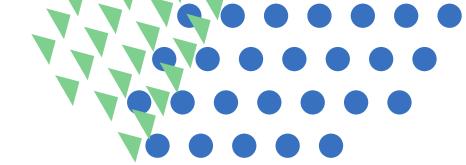


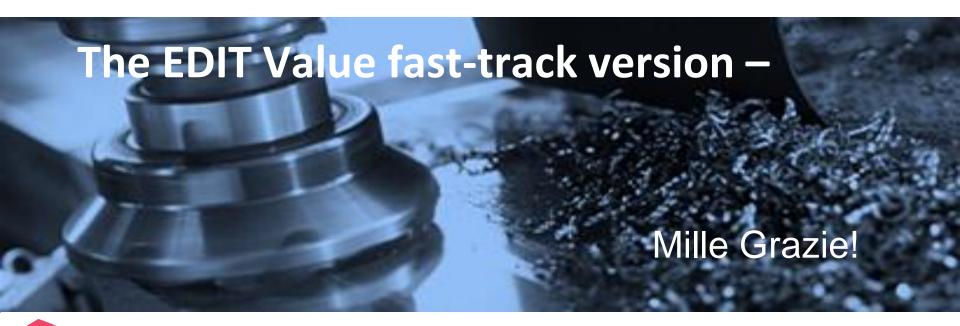














Federal Environment Agency, Germany

PRESOURCE Workshop Bologna 18 September 2014







