

WP3: Testing Edit Tool Results

DI Christina Krenn

Dr. Johannes Fresner

STENUM[®]



PRESOURCE Companies for testing phase

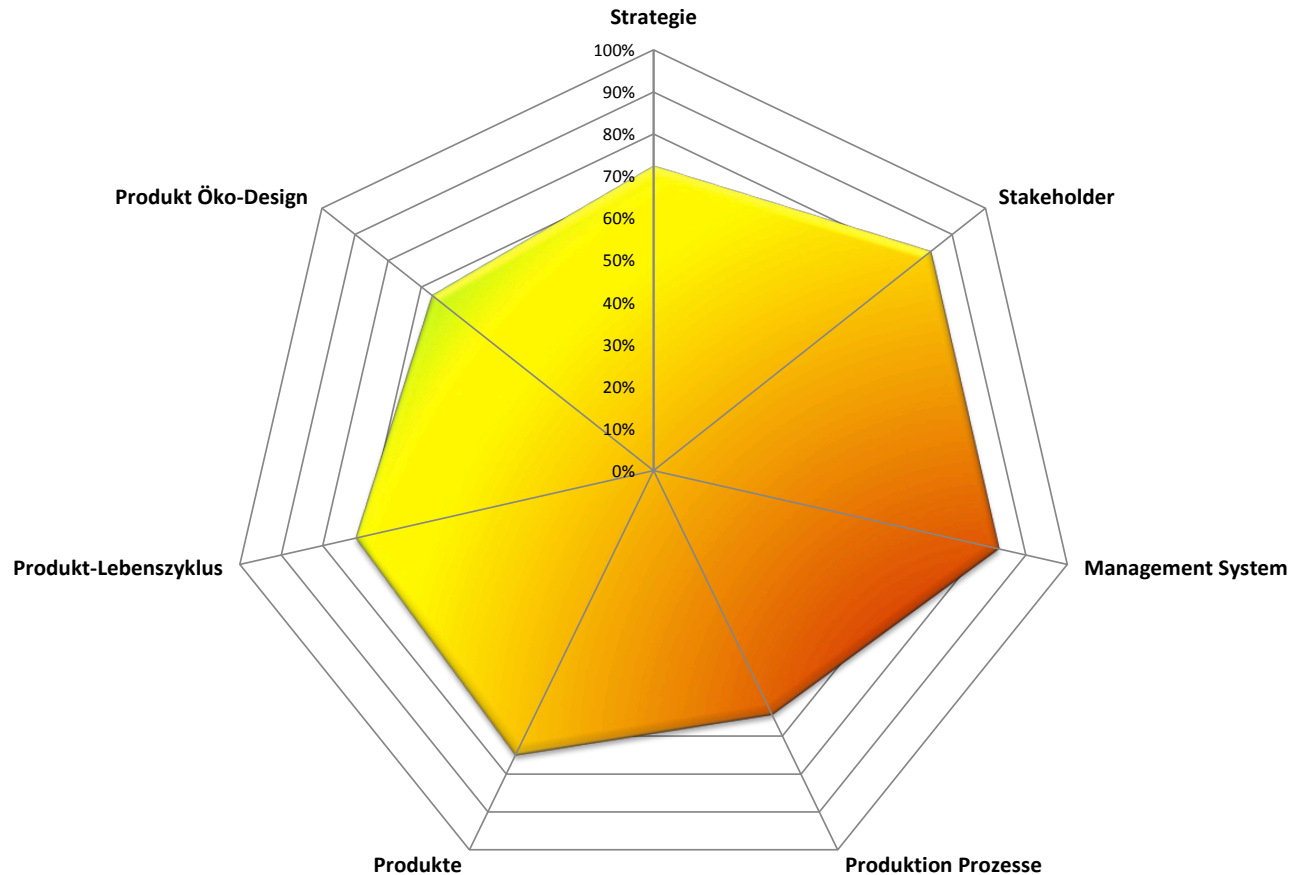
Nr	Company	Adress	Branch	Contact person
1	Garant Tiernahrung GmbH	Eckertstraße 1, 8020 Graz	Producer of animal feed	Kainz Reinhard
2	Destillerie Franz Bauer GmbH	Prankergasse 29-31, 8020 Graz	Production, bottling and sales of national and international spirits	Gruber Andreas
3	Haase Gesellschaft m.b.H.	Gradnerstraße 110, A - 8055 Graz	Production of high Temperature Conductors (Energy), Rope and Lifting Systems	Julia Hütter
4	zotter Schokoladen Manufaktur GmbH	Bergl 56, 8333 Riegersburg	Production of chocolate	Christian Gasser Christa Pleunik

PRESOURCE Destillerie Bauer GmbH

- Number of employees: 91
- Annual turnover: EUR 25.000.000
- Products: Production, bottling and sales of national and international spirits (Jägermeister)



PRESOURCE Priorities out of form 1.6



PRESOURCE Evaluation of relevant questions

System level	Question	Answer
management system	energy management	in progress
processes - production	systematic approach to energy management	in progress
products - ecodesign	supplier - renewable energy	so far no activity
products - ecodesign	supplier - water consumption	so far no activity

PRESOURCE Identified tools

- Energy management (ISO 50001)
- Monitoring and targetting
- Tool to reduce compressed air cost (druckluft.de)
- *Procurement (EMAS easy)*

PRESURCE Identified options

- Electricity:
Optimization of the compressed air system
- Implementation of energy meters
- Heat: Record of the heat consumption per unit
- Mobility analysis

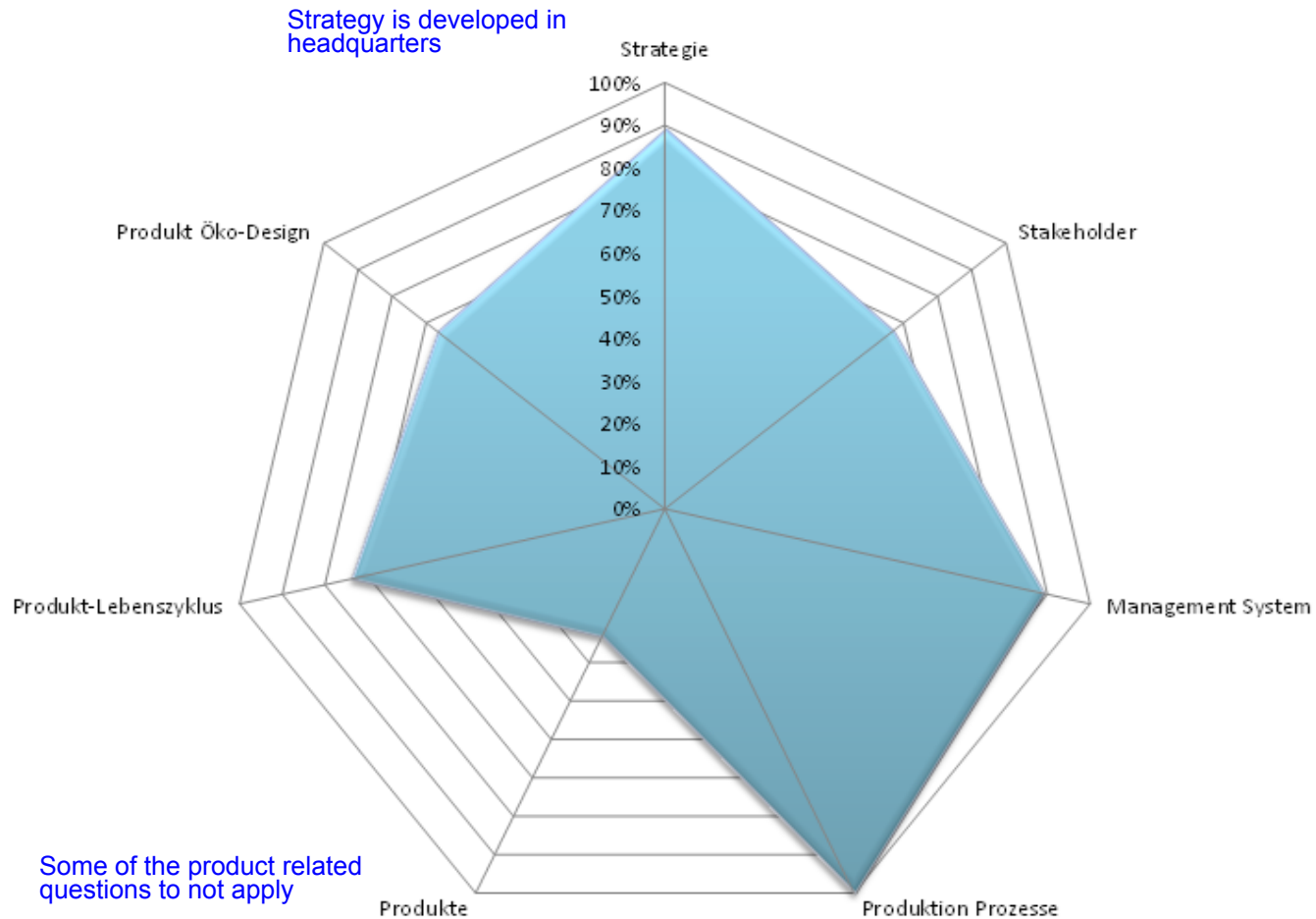
- *Brewer grains (wash): Recycling in a biogas plant*
- *Raw material:
Identification of regional provider for alcohol*
- *Packaging - Ecodesign ???*

PRESOURCE Garant Tiernahrung GmbH

- Number of employees: 32
- Annual turnover: EUR 24.000.000
- Product: Animal food (chicken, pigs, cattle)



PRESOURCE Priorities: Form 1.6



PRESOURCE Identified tools

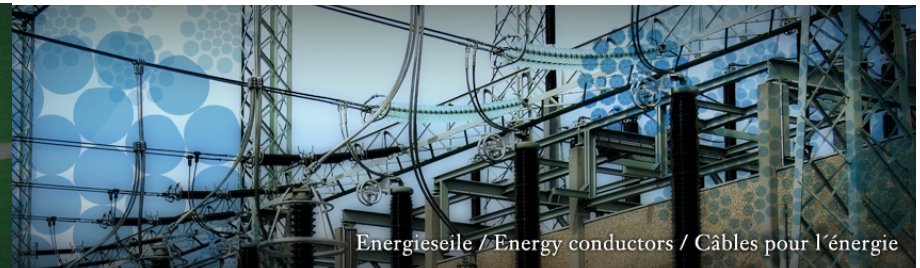
- Energy management (ISO 50001)
- Monitoring and targetting
- *Procurement (EMAS easy)*

PRESOURCE Identified options

- Electricity:
 - Installation of variable speed drives were possible e.g. fans
 - Reduction of parasitic loads
 - Identification of the consumers outside the operation hours (20 kW)
 - More frequent removal of dust from motors
- Heat: Detailed analysis of the heat exchanger for heat recovery from condensate – the amount of the recovered heat can possibly increase
- Dust from production process: can not be avoided, improvements are already done.
 - Use of the dust in a biogas plant for energy generation
- Transport:
 - Delivery of raw materials by railway

PRESOURCE Haase Gesellschaft mbH

- Number of employees: 48
- Products: Energy conductors, rope and lifting systems



PRESURCE Work in progress

- Forms prepared (1.1, 1.2, 1.4)
- Site visit today

PRESOURCE Zotter Schokoladenmanufaktur GmbH

- Number of employees: 120
- Annual turnover: EUR 17.000.000
- Products:
 - Handmade chocolate
 - Drinking chocolate



PRESURCE Work in progress

- Forms prepared (1.1, 1.4)
- Site visit on June 6th

PRESURCE Issues

- The availability of accurate data is limited (costs for materials, energy, water, etc.)
- The data collection (Input/output analyses) for the companies is very time consuming (our partners needed on average one month to fill in the data in form 1.2)
- Companies need additional hints e.g. in manual or checklists how to get data, required accuracy, plausibility checks
- Preparation of schedule for walkthrough and checklist for all relevant areas
- Tools for strategy development and risk analysis needed in matrix
- ✓ Top management was involved (owner, internally, mainly for form 1.1, 1.4)