



Export Initiative Energy Efficiency
www.ency-from-germany.info



Energy Efficiency Consulting for Industrial Companies

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Who We Are ...



**Managing Director
EnEffPlus
since 2008**

**Matthias
Walde**

**Specialist Engineer
Energy Efficiency
Graduate Engineer
Production & Logistics**

**Certificate of Apprenticeship
Industrial Electrician**



**Managing Director
EnEffPlus
since 2006**

**Norbert
Jungjohann**

**Director Technical Support
Energy Grid**

**Process Consultant
Change Management**

**Project Manager
Energy Grid**

**Graduate Engineer
Electrotechnology**

High Performance Networks and Cooperations



Memberships:

Verein Deutscher Ingenieure VDI



the Association of German Engineers is a financially independent and politically unaffiliated, non-profit organization of 132,000 engineers and natural scientists (www.vdi.de)

Verband Deutscher Elektrotechniker VDE



the Association for Electrical, Electronic & Information Technologies is one of the largest technical and scientific associations in Europe with more than 34,000 members (www.vde.com)

Ingenieurkammer Baden-Württemberg



Baden-Württemberg (BW) Chamber of Engineers is a public corporation and carries out public duties on its own responsibility (www.ingkbw.de)

Wirtschaftsjunioren Deutschland WJD



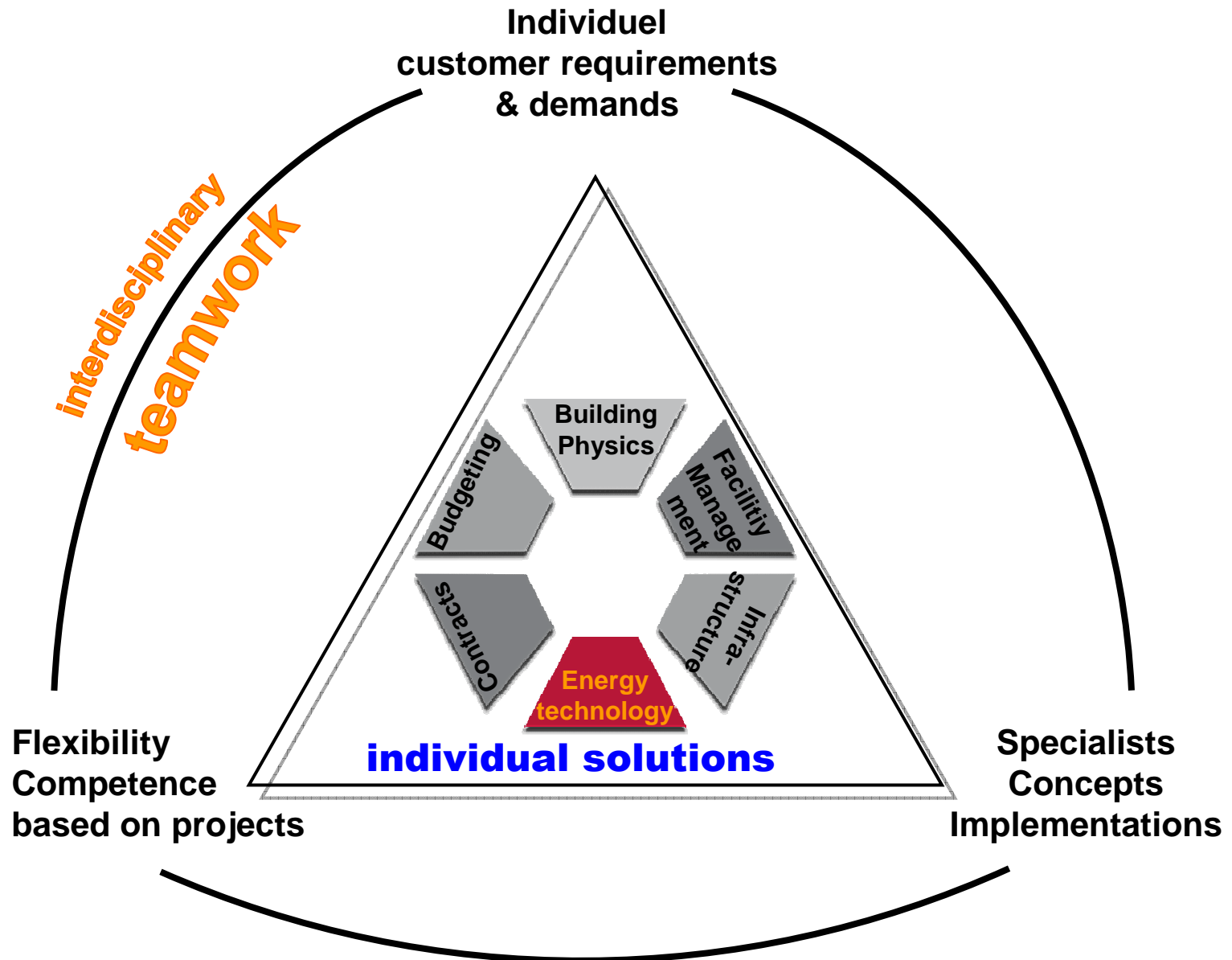
Junior Chamber International, JCI, is the biggest association of entrepreneurs in the world with more than 200,000 active members and several millions of alumnae members (www.wjd.de; www.jci.cc/en)

Energiemanager e.V.

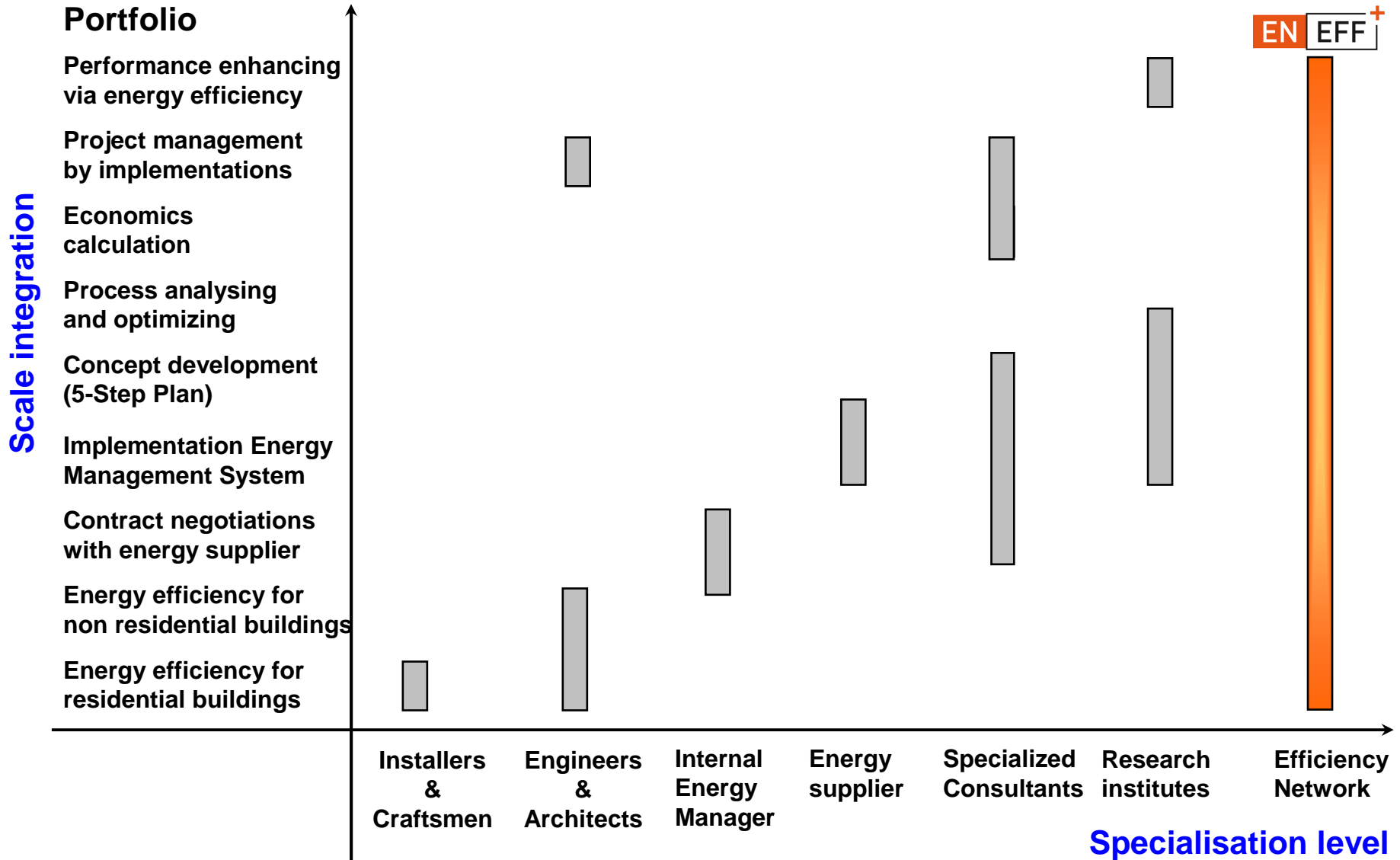


the Association is a relationship of several companies which have their competences in energy efficiency engineering and energy management (www.a-bec.de)

High Performance Networks and Cooperation

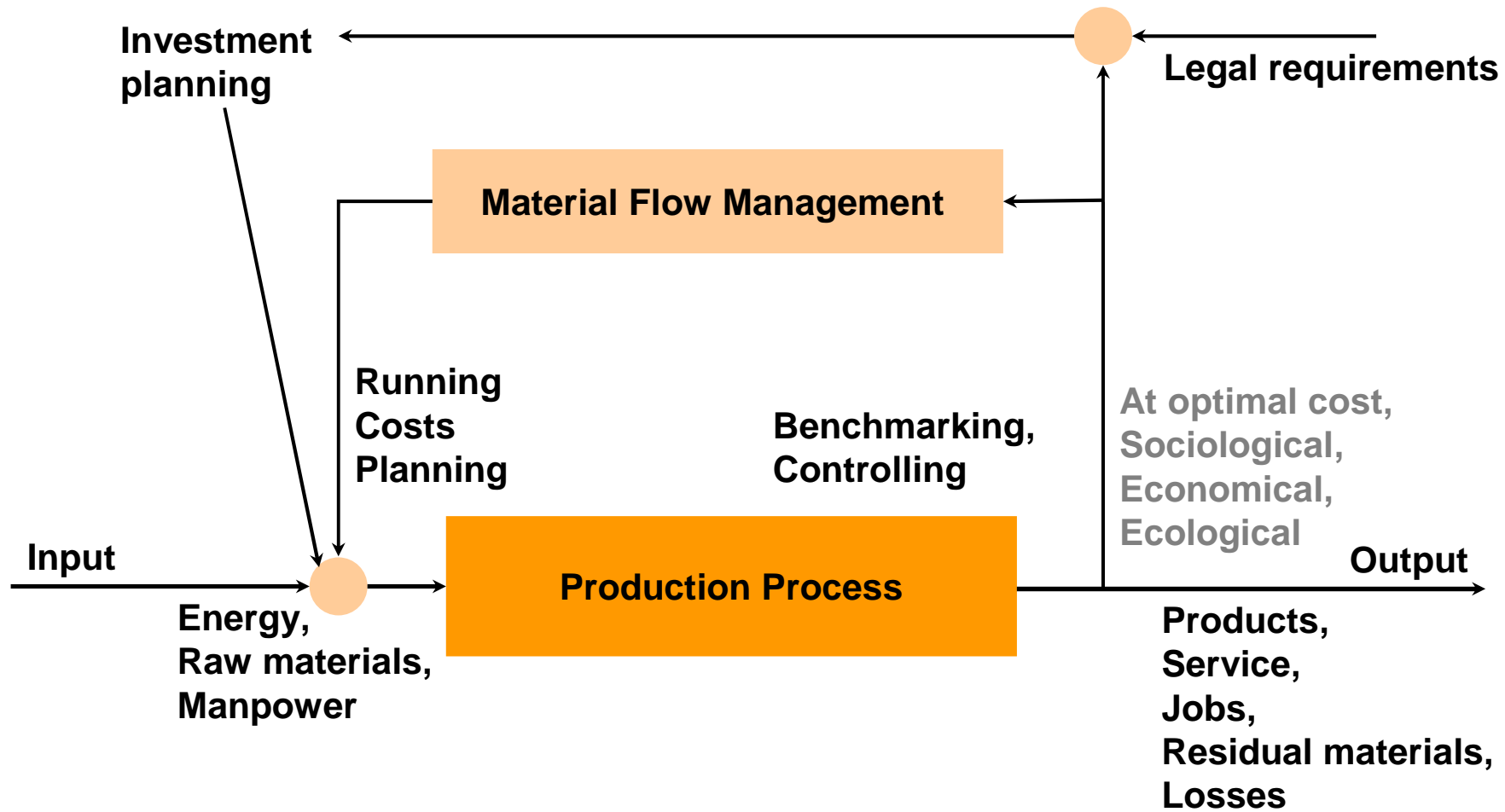


EnEffPlus- Unique Selling Proposition (USP)

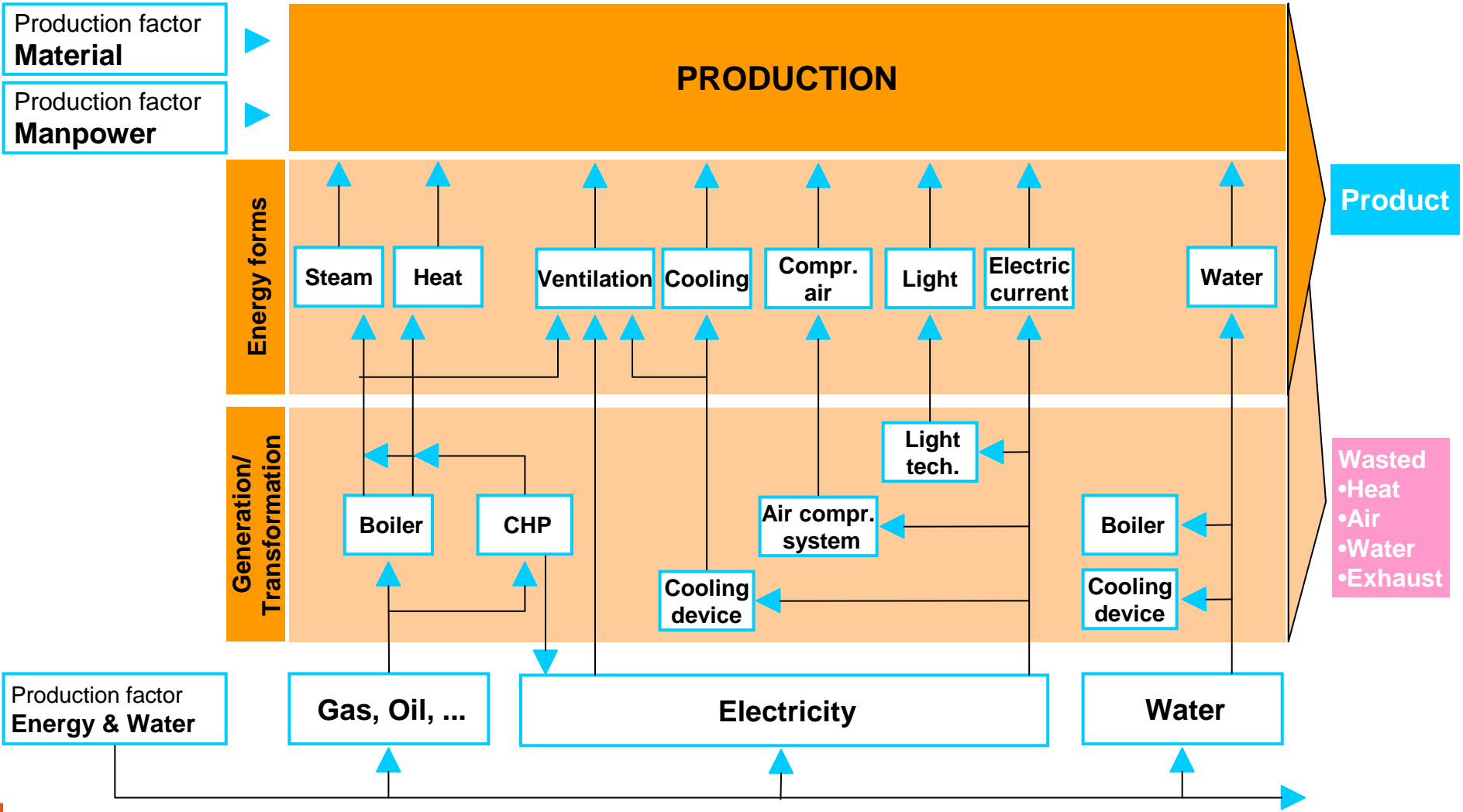


Controlling und Cost Planning as Process Control Cycle

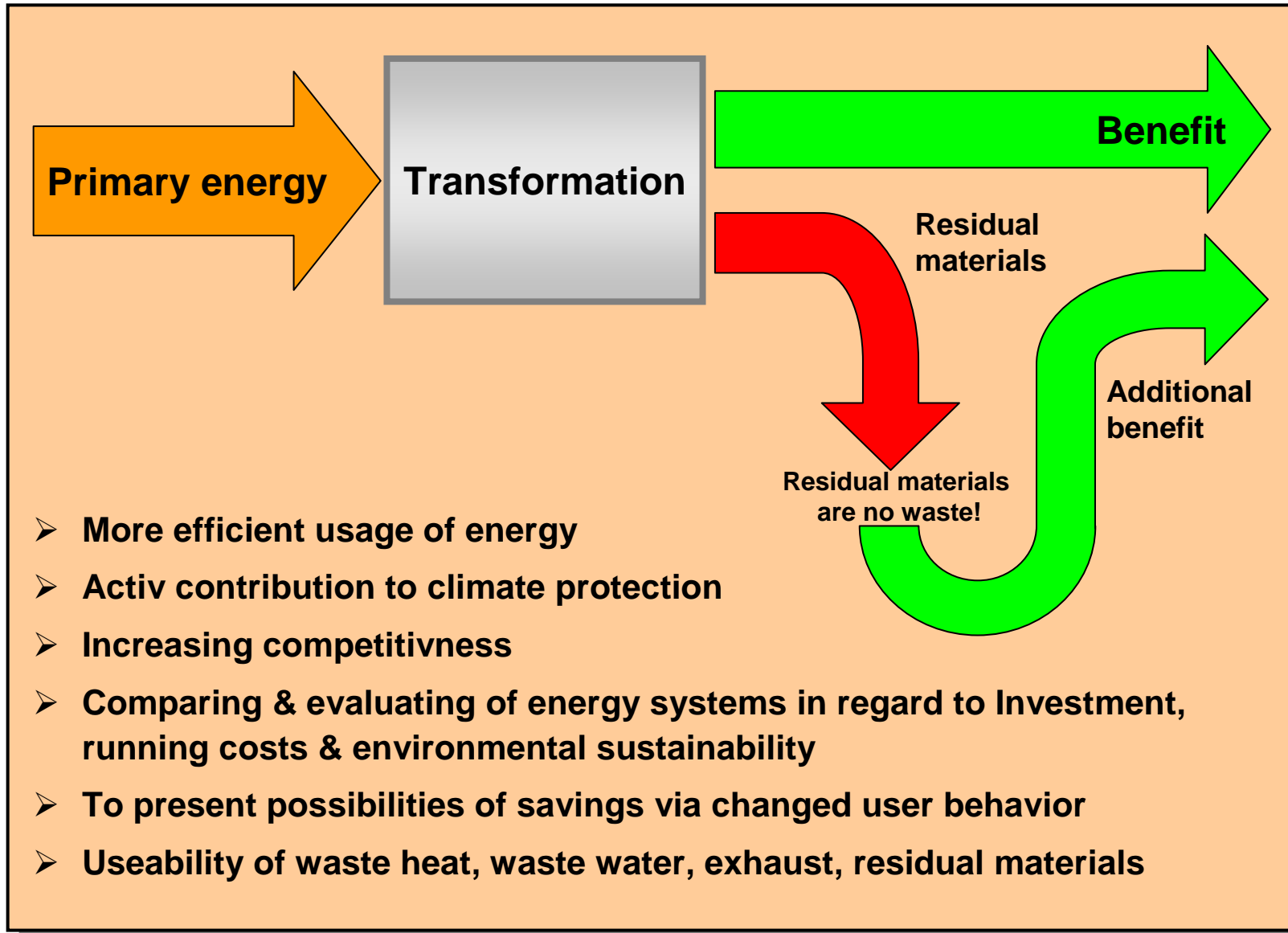
Investment and running costs control cycle



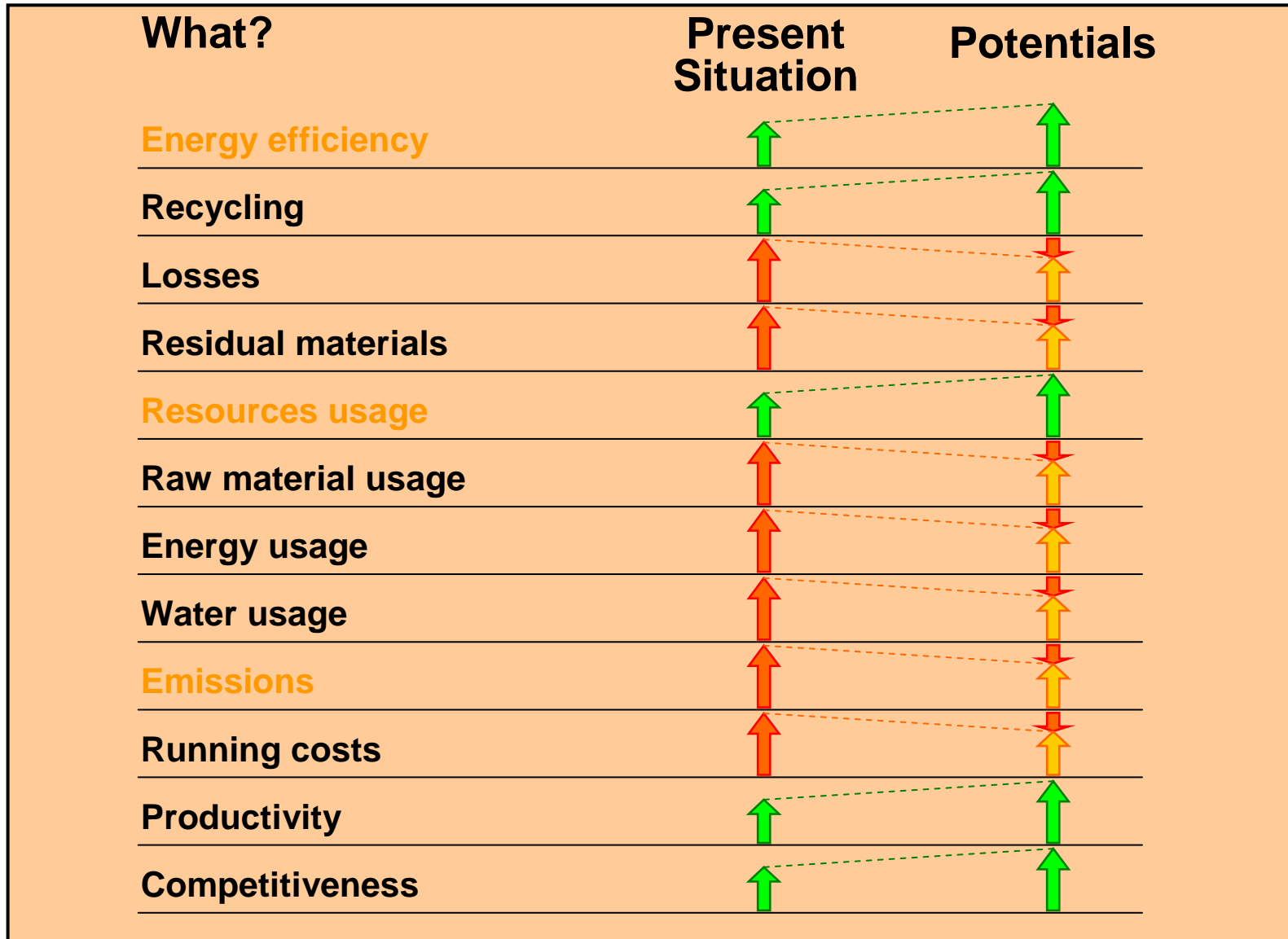
Integral Consideration of Energy Forms in Industry and Production



Energy Efficiency as a Benefit

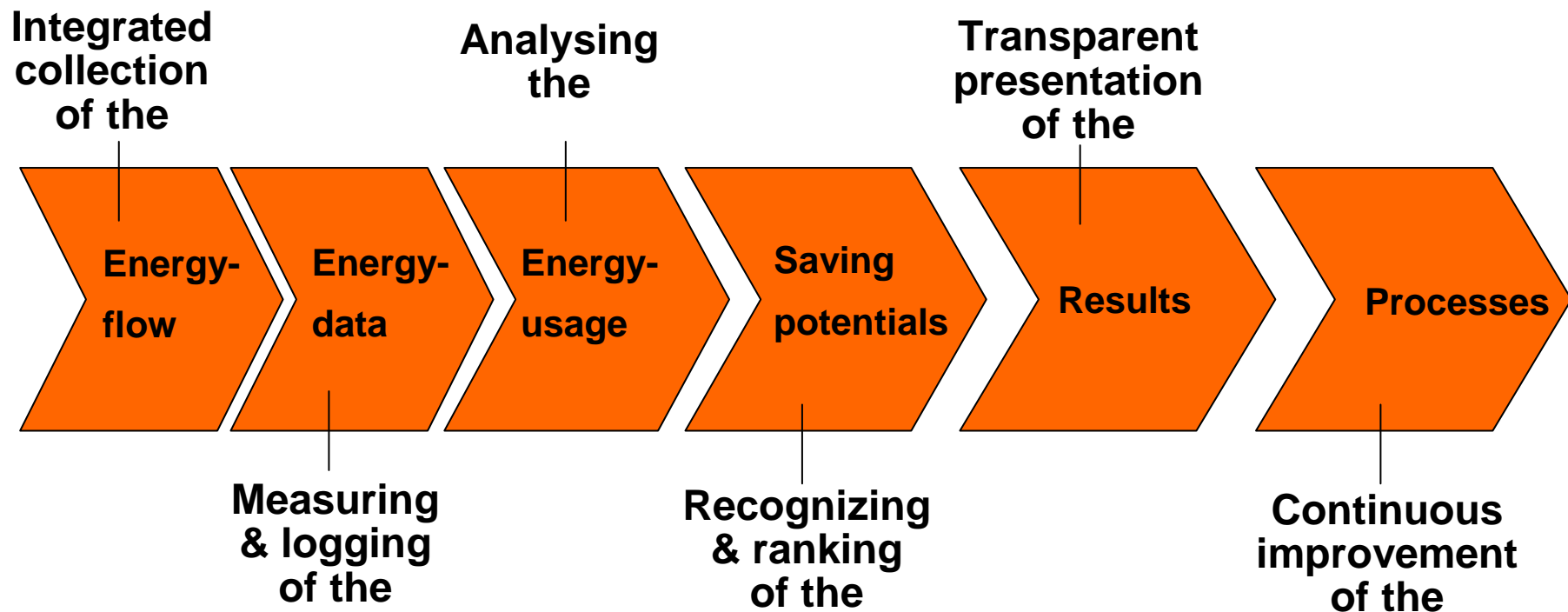


The EnEffPlus Principle



- ✓ Targeted investment with a fast ROI
- ✓ Transparency in energy flow & energy consumption
- ✓ Optimized processes & increased energy efficiency
- ✓ Change Management
- ✓ Individuel planning step by step to realize energetic improvements
- ✓ Possibilities to generate your own Energy
- ✓ Using aid money und tax savings
- ✓ Saving via contractual amendment with your energy supplier
- ✓ Increasing competitiveness
- ✓ Contribution to the climate protection

EnEffPlus – Services „step by step“



Energy Data Management

Measurement / Metering



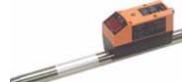
Electricity



Gas



Water



Compr. air



Running hours



Warning / Alarm

Data transmission

- Wlan
- GSM



Data logging



Data logging & preparation



Presentation Analysis Reports



Goals:

- Fast problem detection
- Consumption control
- Cost control
- Simplified billing
- Monitoring energy savings

Results:

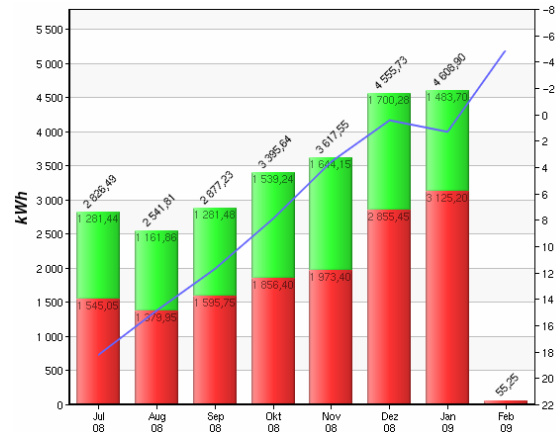
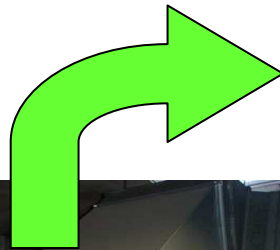
- Automatic checkup
- Transparent reporting
- Individual data profiling
(Branch, position in the company)



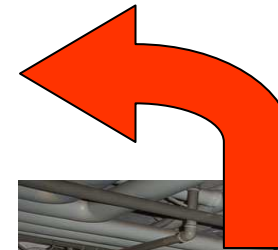
Energy Data Management

Potential detection in the production process via energy data

Energy consumption,
Running hours,
Temperatur profile...
Air compressor no.1



Gas consumption,
Running hours,
Temperatur profile...
Gas Heater no.1



Waste heat recovery
from air compressor

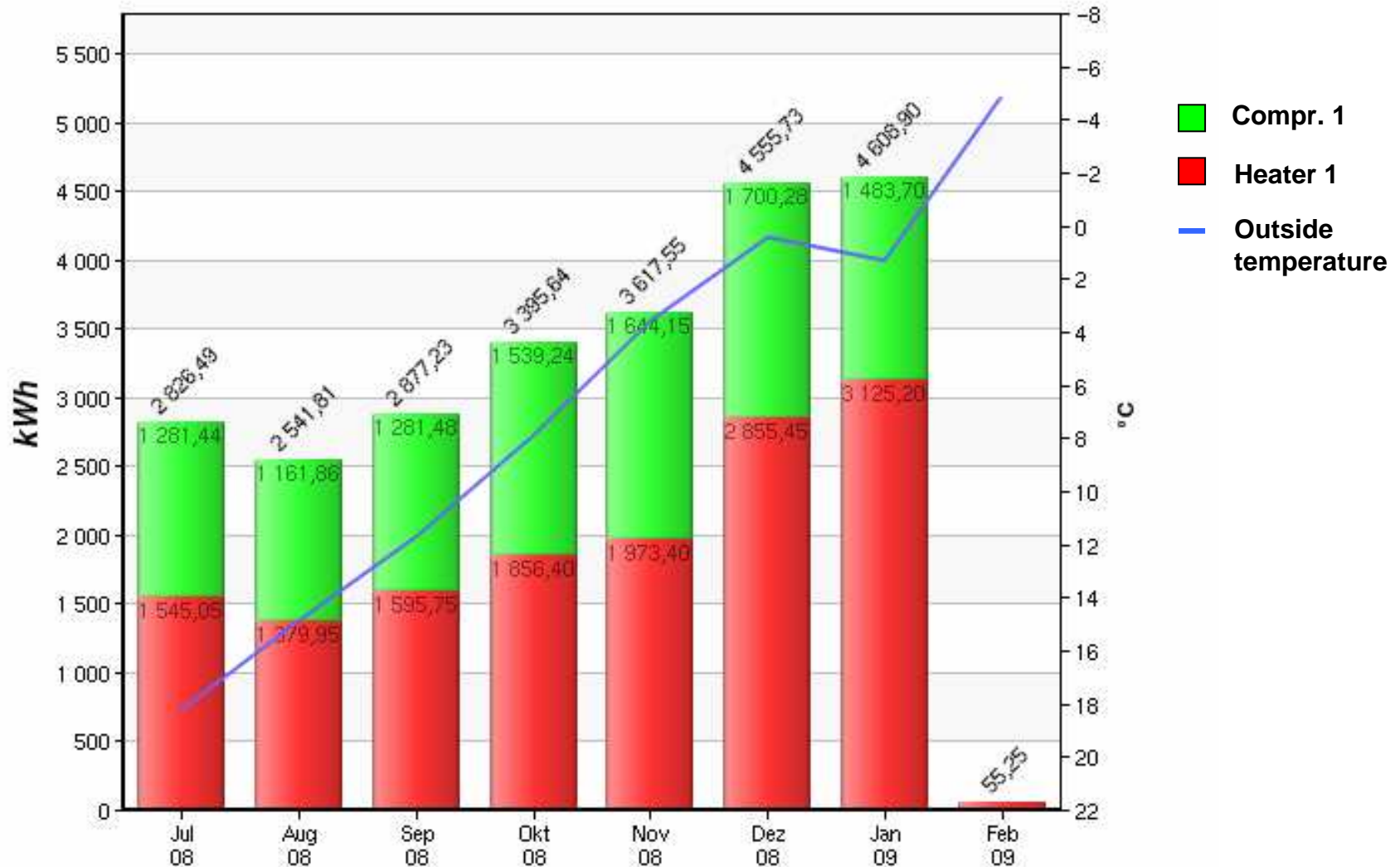


decreasing
heating costs

41 %

Energy Data Management

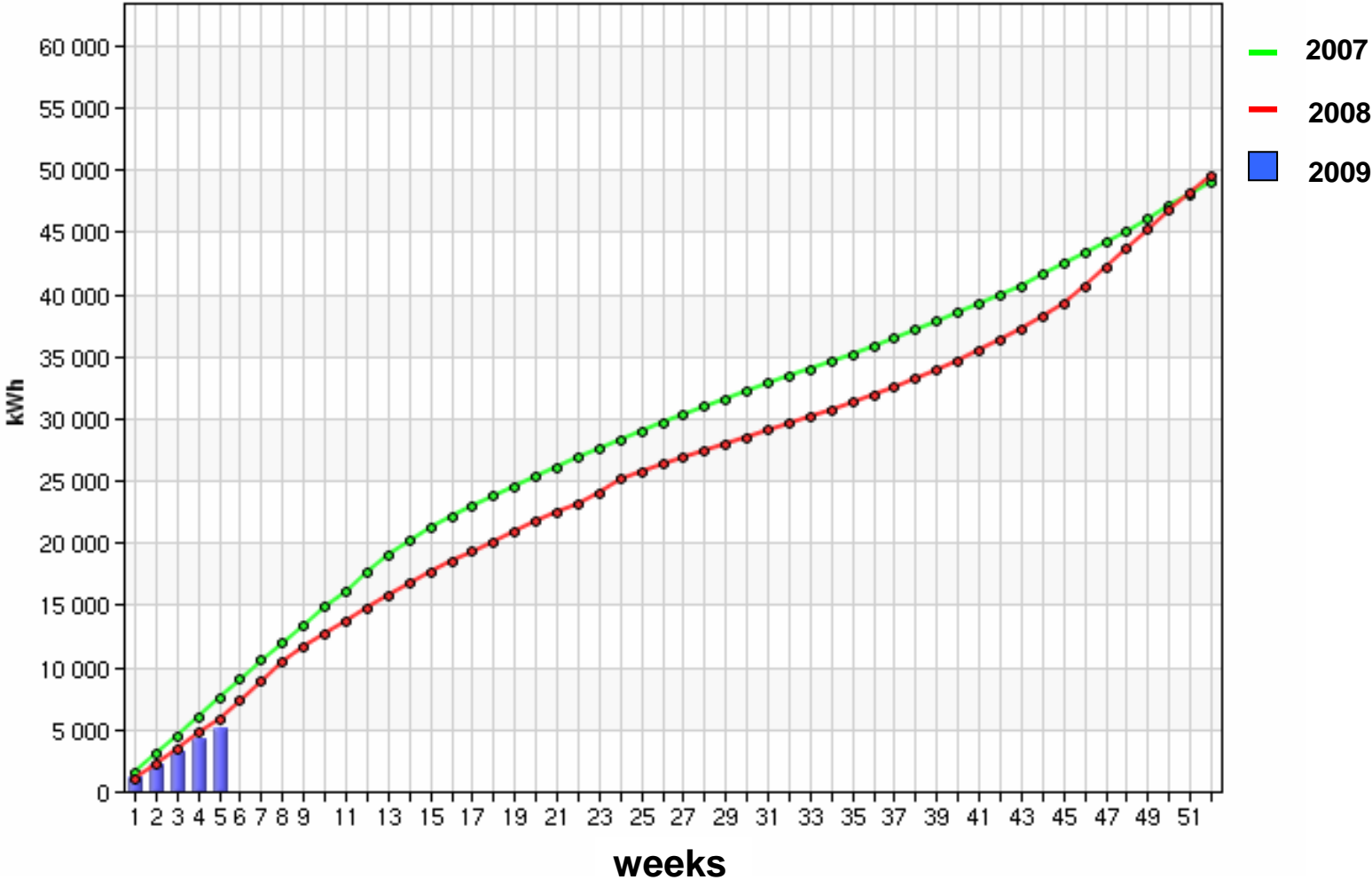
Transparency via monitoring



Energy Data Management

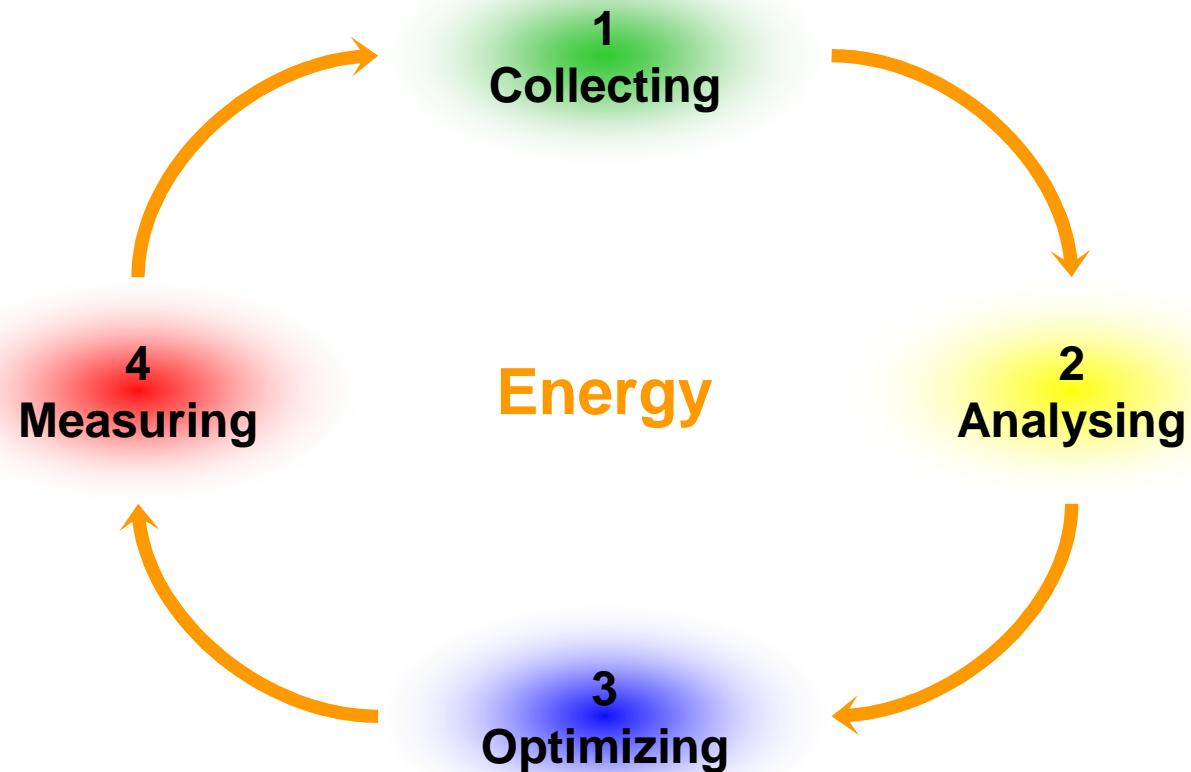


Transparency via monitoring



Four Steps to the Success

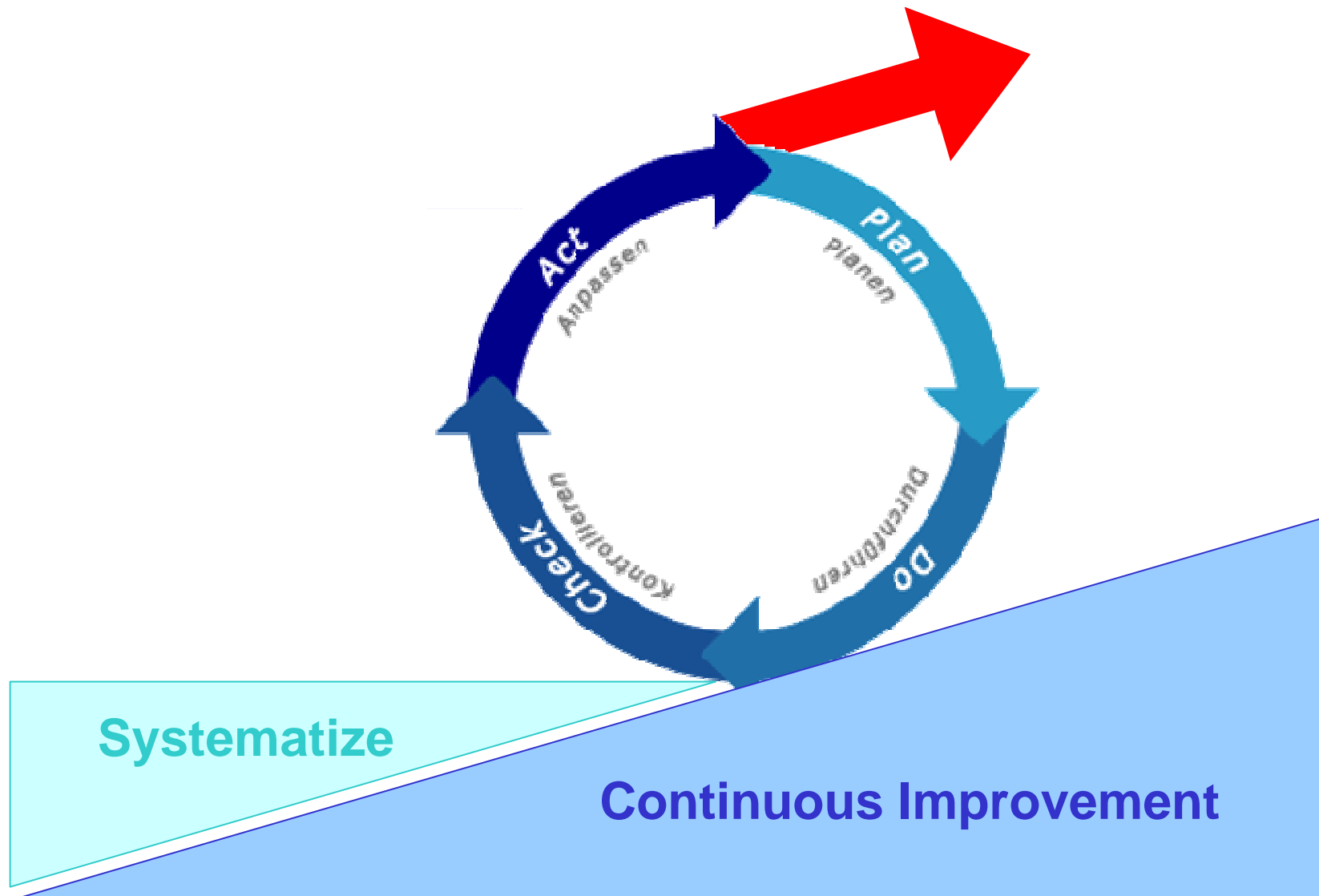
Via energy optimizing...



...decreasing running and investment costs!



Continuous Improvement Process (CIP)



References and Projects

Energy efficient rebuilding



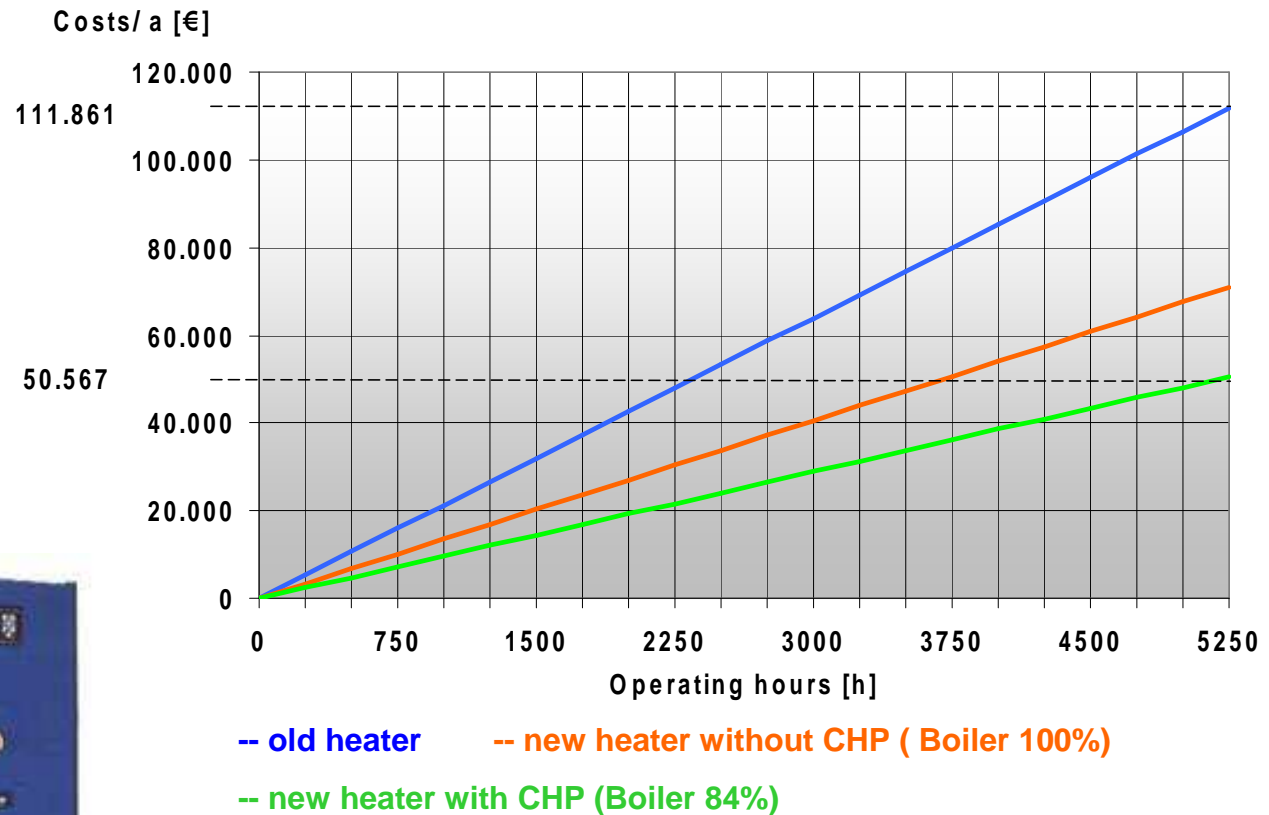
New energy efficient building



Results of Reference Projects

Forecast yearly costs of heating system

Optimized Heating System via Combined Heat and Power Unit (CHP) :



Potentials

- Increased energy efficiency: +15% up to +45 %
- Savings: - 20 % up to - 60 %
- Reduction of resources: - 5 % up to - 30 %
- Reduction of CO₂- emissions: - 25 % up to - 60 %

What we want ...



- to enter the international market
- to uncover energy saving potentials in industrial companies all over Europe and the USA
- to locate customers in Spain who wants to realize energy saving and optimizing projects
- to implement the EnEffPlus- Principle on the customers side
- to find partners to realize projects on location
- define common quality standards with customers
- to implement high performance and reliable Energy Data Management- Systems

When do **you** get **your Plus**
with EN EFF⁺ ?



Muchas gracias por su atención!

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