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Greening the Philippine Industries with the **ECOPROFIT** Approach



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Management-standards (ISO14001/ISO9001/2000) leading to Integrated Systems

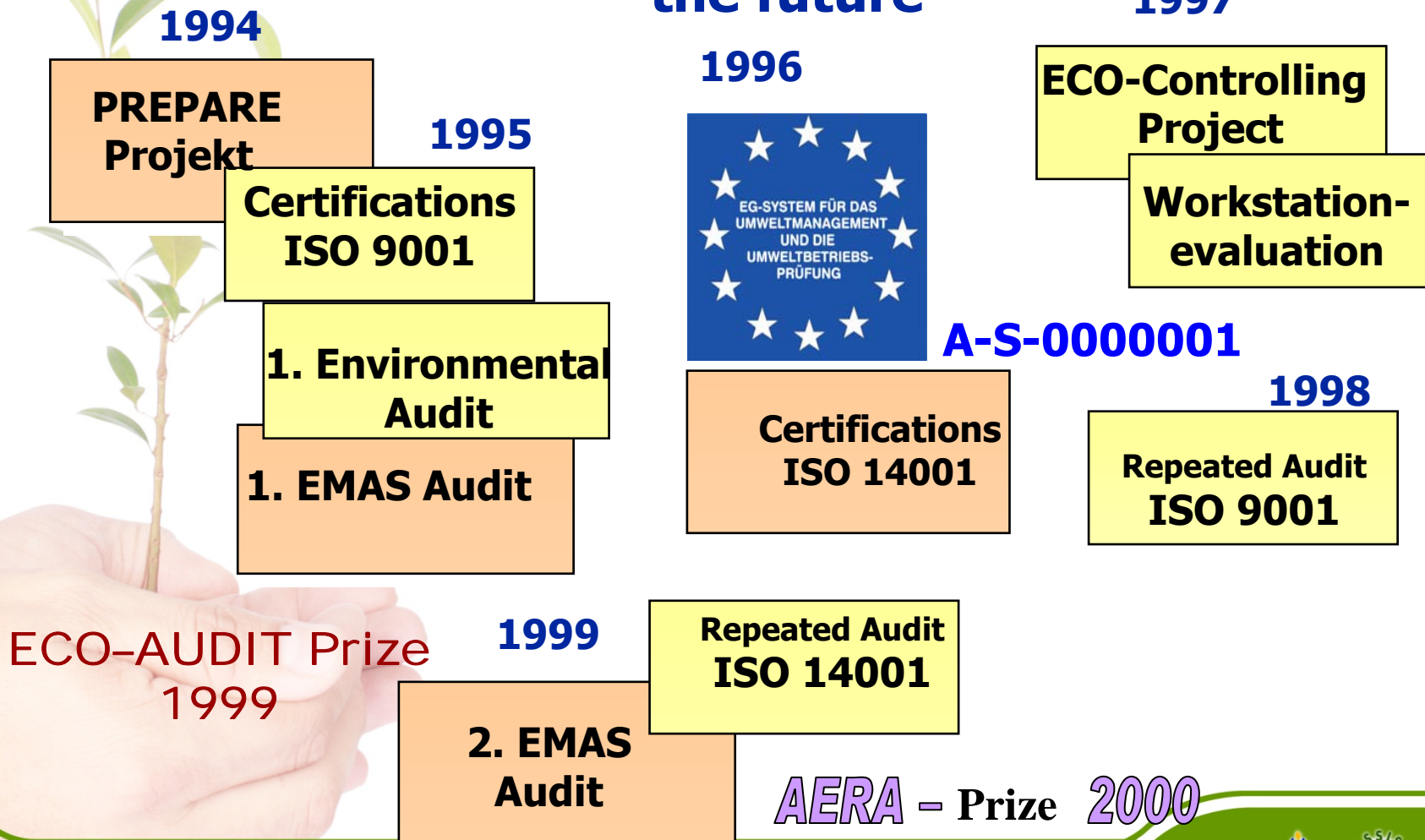
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Murau: environmental policy is looking ahead towards the future



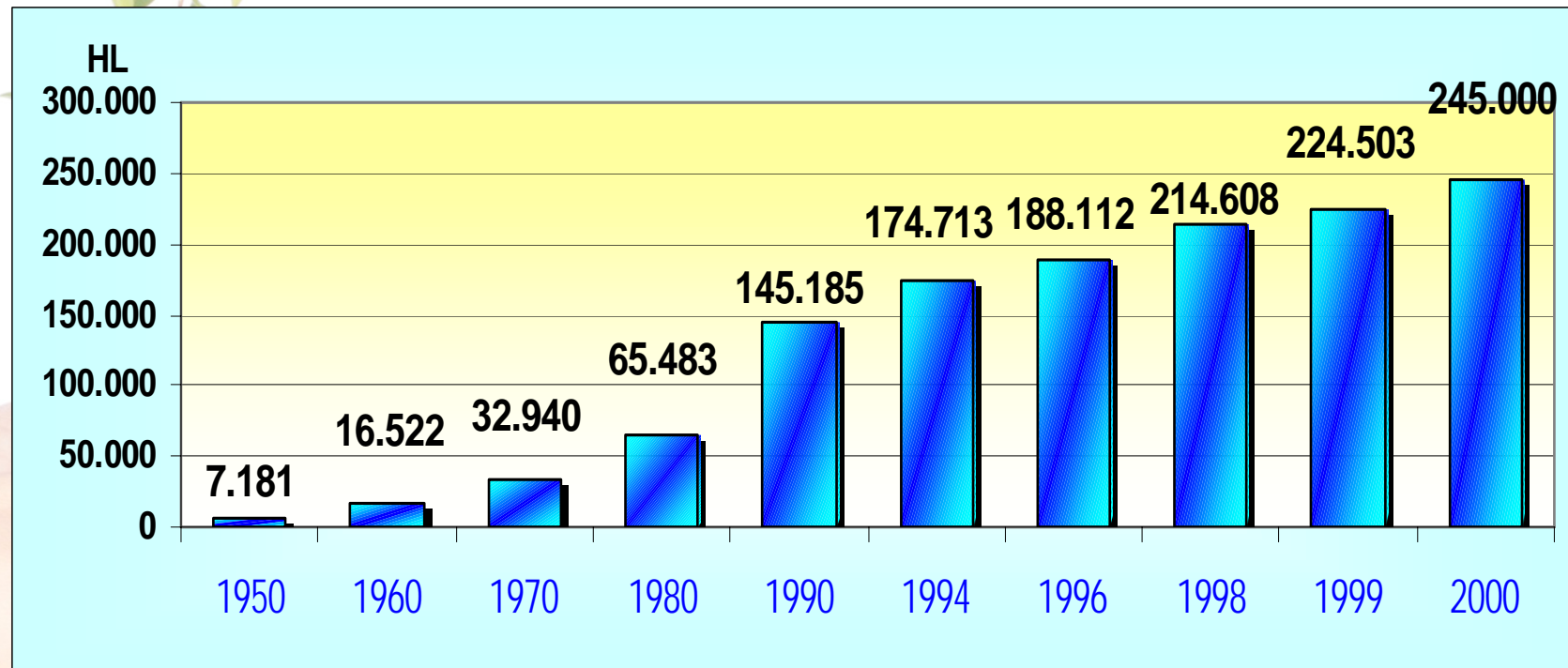
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Beer consumption: development The right strategy



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Comparison PREPARE - ECO-Audit

PREPARE- Projectscheme	ECO-Audit according to EMAS
<ul style="list-style-type: none"> • Planning and Organisation 	<ul style="list-style-type: none"> • Environmental policy
<ul style="list-style-type: none"> • Survey-Phase 	<ul style="list-style-type: none"> • Environmental examination
<ul style="list-style-type: none"> • Intermediate report 	<ul style="list-style-type: none"> • Internal report about the first audit
<ul style="list-style-type: none"> • Looking for alternatives • Feasability analysis • Implementation 	<ul style="list-style-type: none"> • Environmental instruments: • Environmental Management System • Envirionmental program
	<ul style="list-style-type: none"> • Environmental audit
	<ul style="list-style-type: none"> • Environmental statement
	<ul style="list-style-type: none"> • Valitiy report, Registration, Participation statement

ECOPROFIT versus EMS selected examples

- **Top 20: determining of the 20 most important materials**
- **Finding and establishing the environmental team**
- **Environmental guidelines**
- **Material-flow analysis; handling with hazardous waste**
- **Relevant environmental law aspects**
- **Environmental performance**
- **Rough analysis of the environmental impact**
- **Start workshop with the environmental team**
- **Environmental policy**
- **Environmental examination (Technology, Organisation, Materials)**
- **Examination of legal regulations**
- **Implementation of measure**

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What is an EMS

Environmental policy

Where do we want to be?

Environmental examination

Where are we?

Environmental programme

Where are we going?

EMS

How do we get there?

The firm's environmental check

Is it the right way?

Environmental declaration

Do we inform correctly?

Environmental certificate

Is it the appropriate way?

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From ECOPROFIT to EMS

- **Once you have implemented ECOPROFIT it saves you about 46% of the implementation costs of an EMS regardless of whether you want to work according to British Standards, EMAS or ISO 14001**
- **In other words: your company is half way through to an EMS once it has successfully participated at the ECOPROFIT Programme**

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EMS beyond ECOPROFIT

- **Creation of an environmental management manual with process and working instructions**
- **Training for auditors**
- **Working out an environmental declaration**



EMAS
GEPRÜFTES
UMWELTMANAGEMENT

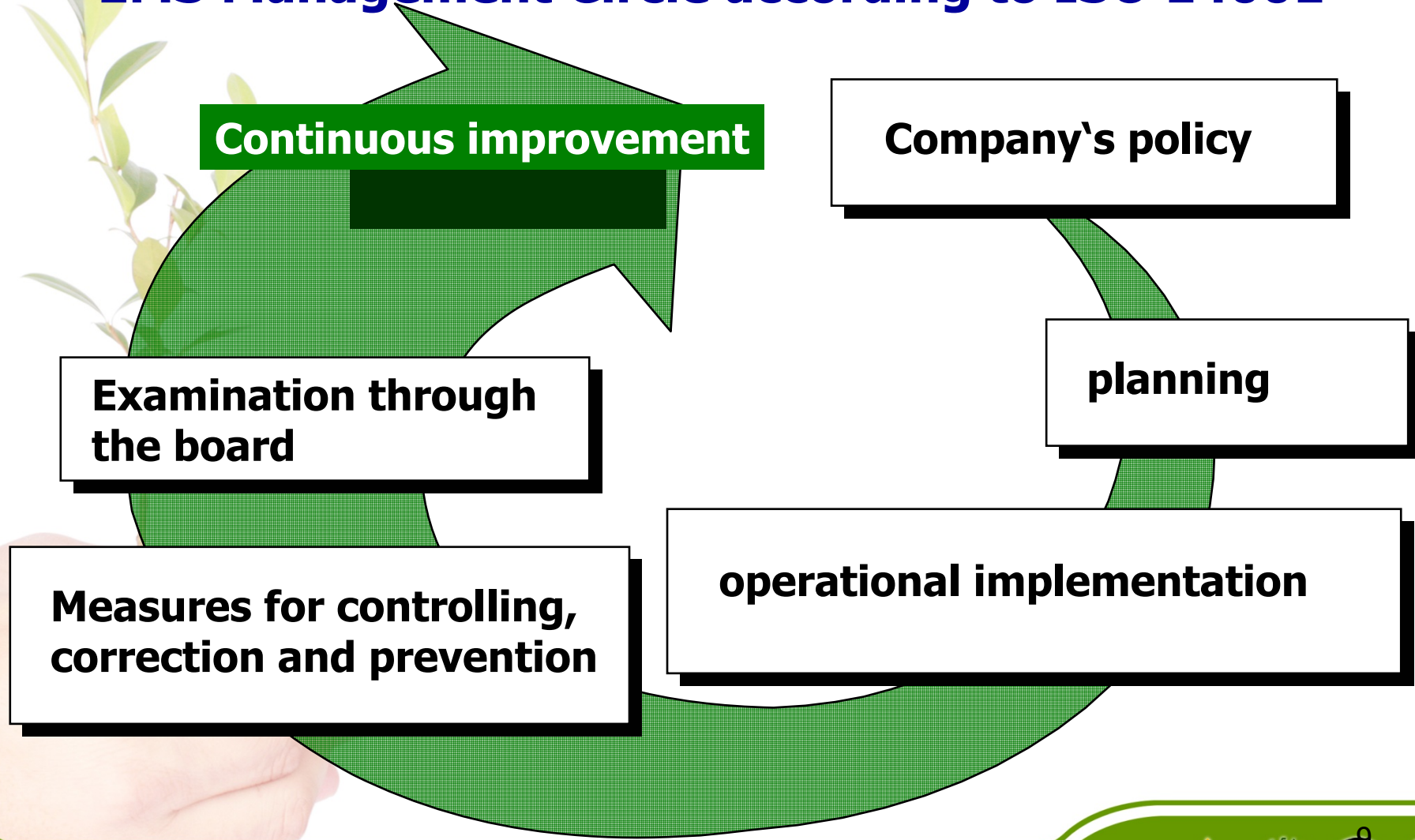
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EMS Management Circle according to ISO 14001



Principles of Quality

- **Principle 1: customer-orientated organisation**
- **Principle 2: leadership**
- **Principle 3: involvement**
- **Principle 4: procedure through processes**
- **Principle 5: procedure through systems**
- **Principle 6: continuous improvement**
- **Principle 7: clear procedure in decision-making**
- **Principle 8: supplier relationship with benefits on both sides**

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QS Management circulation according to ISO 9000:2000

Continuous improvement

Measuring, Analysis & Improvement

- Client's satisfaction/ Audits
- measuring and monitoring of tools
- data analysis
- measures for correction and prevention

Process management

- Customer relationship/service department
- service development, -design
- procurement
- service processes
- controlling the defects

clients

Management responsibilities

- clients' expectations and demand
- Quality policy
- defining of objectives and planning
- Management-Review

Ressourcen Management

- Personnel
- Information
- Infrastructur
- Financial ressourcen

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ISO 9000:2000

Management responsibilities

- **Q-policy**
- **Q-objectives**
- **Q-planning**
- **Responsibilities and authorities**
- **.....**
- **Internal Communication**
- **QM-manual**
- **Managing the documents**
- **QM-assessment**

ISO 14001

- **Environmental policy**
- **Defining of objectives**
- **Planning**
- **Structure of the Organisation and responsibilities**
- **.....**
- **Communication**
- **Documentation of the EMS**
- **Controlling of documents**
- **Assessment through the board**

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ISO 9000:2000

Management of tools

Providing the tools

Personnel

Infrastructure

Working environment

ISO 14001

**Structure of organisation
responsibilities**

**Training, awareness and
competences**

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ISO 9000:2000

Product realisation
planning of the
processes

.....

Measuring, analysis and
improvement

Measuring and
monitoring

Failure Managment

ISO 14001

Managing the process
environmental aspects

.....

Measures of control and
correction

EMS-Audit

Emergency prevention and
measures

Deviations, Emergency
prevention and measures



What do they have in common?

- **Environmental and quality policy**
- **Determined to meet objectives**
- **Training and creation of awareness**
- **Internal und external communication**
- **Product realisation**
- **Monitoring and measuring**
- **Deviations, Emergency prevention and measures**
- **Evaluation of the MS**
- **Documentation and managing of the documents**
- **Audits**



To create an Integrated Management Strategy the aspects of “Safety and health care at work” have to be added.

- **Working tools: ...“safety and health have to be endangered as little as possible “. E.g.: approval test for cranes and forklift trucks etc.**
- **Working materials**
- **Monitoring of health**
- **Working processes and working stations**
- **Services for prevention**

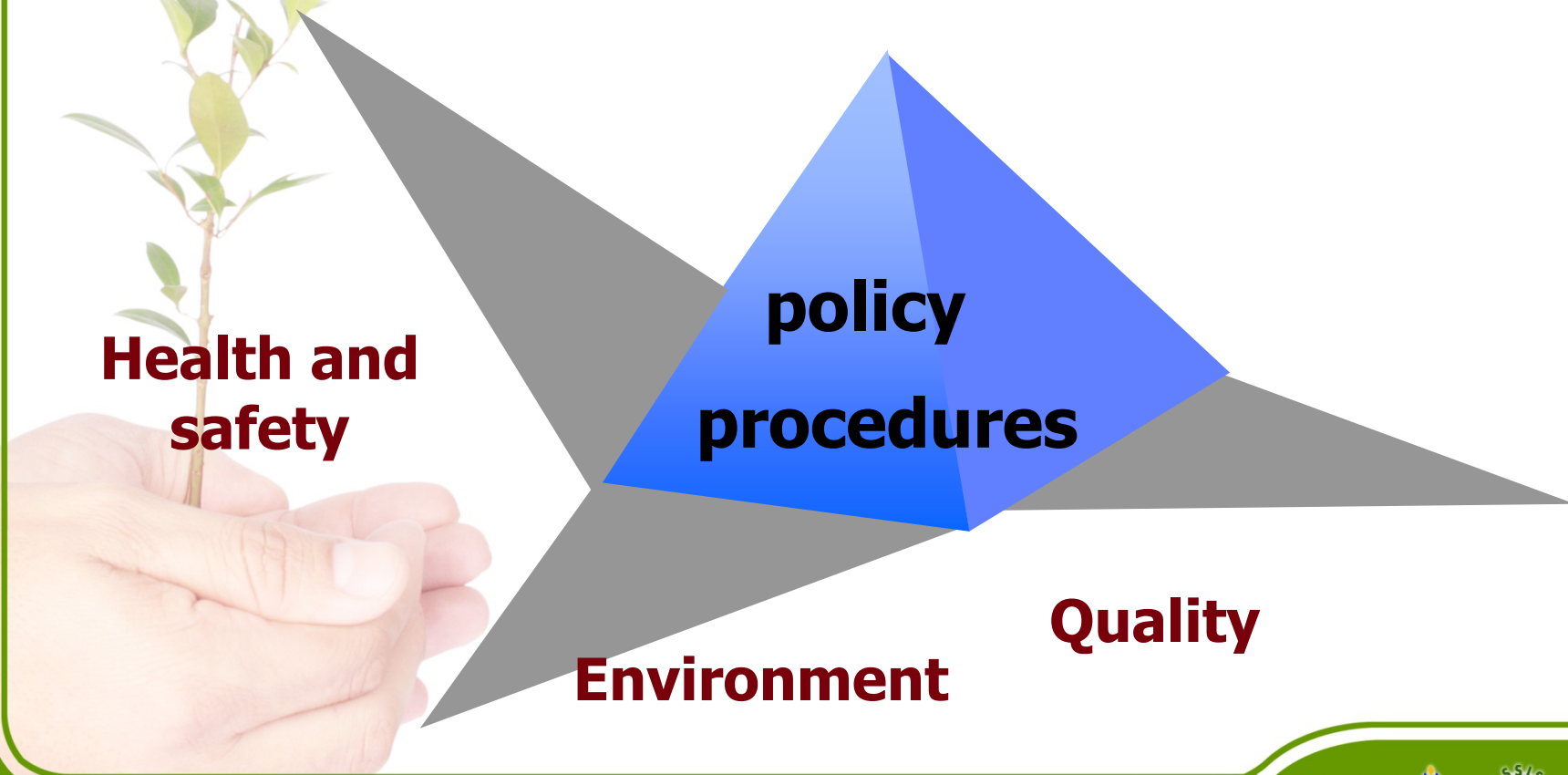
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Integrated and process-orientated Management-Systems



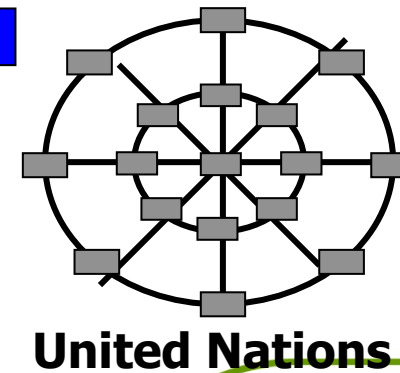
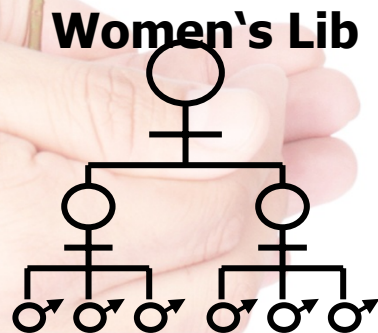
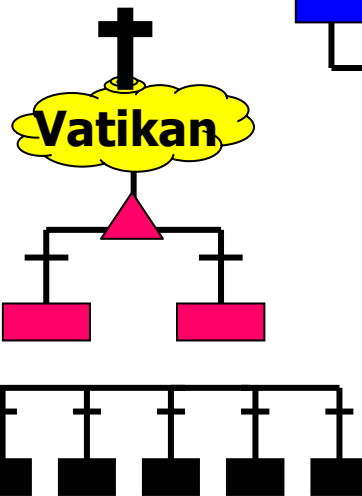
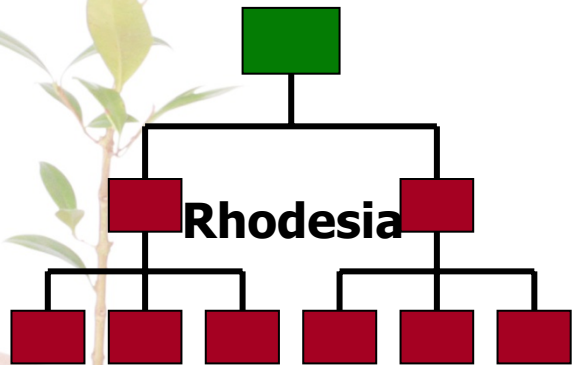
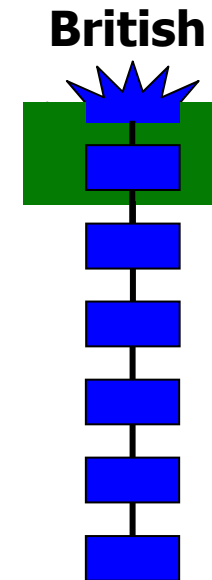
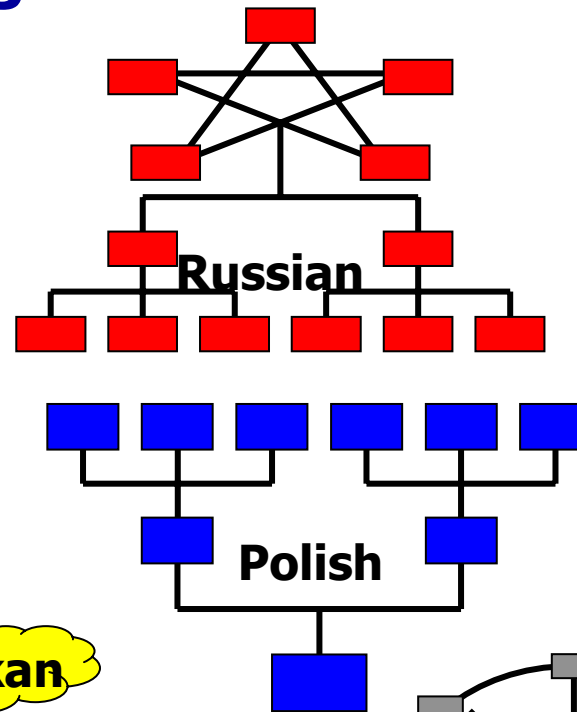
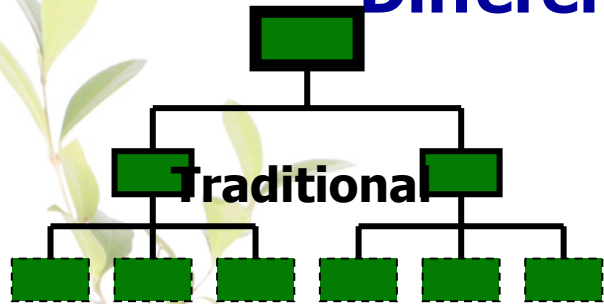
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Different Organisation Charts



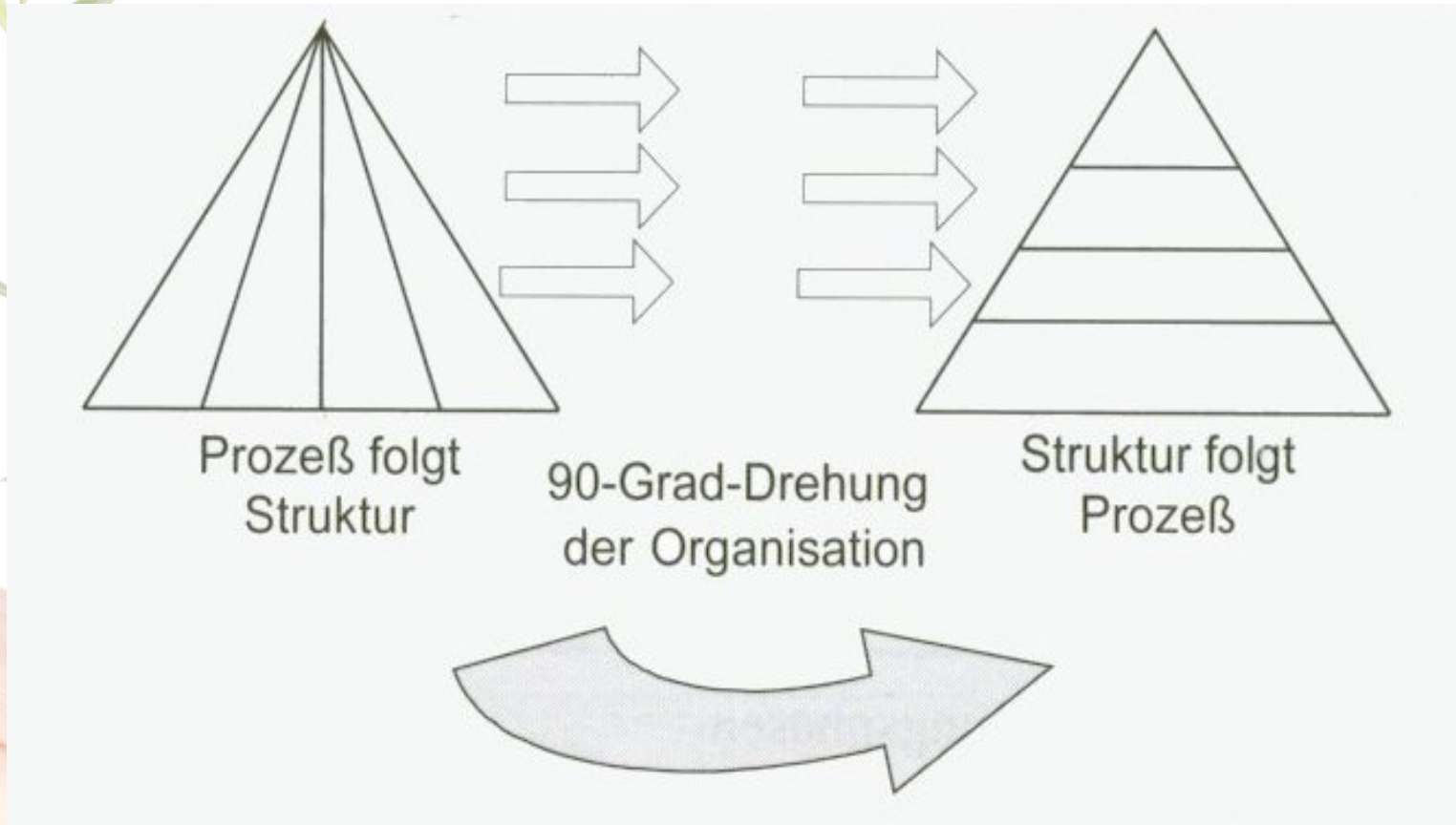
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„Process-orientated“



Quelle: : ISO 9000 - die große Revision

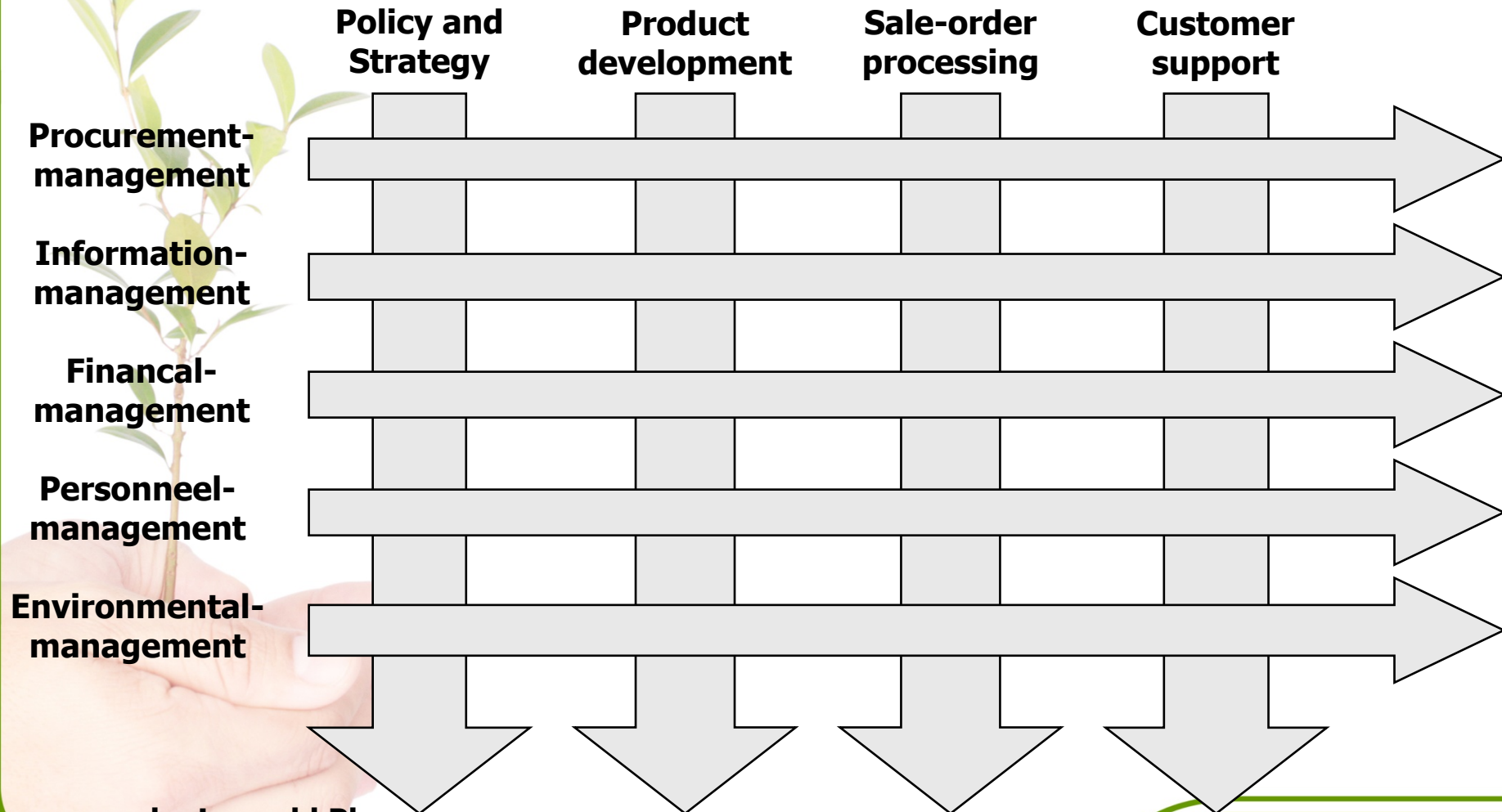
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Processes in companies



example: Leopold Pharma

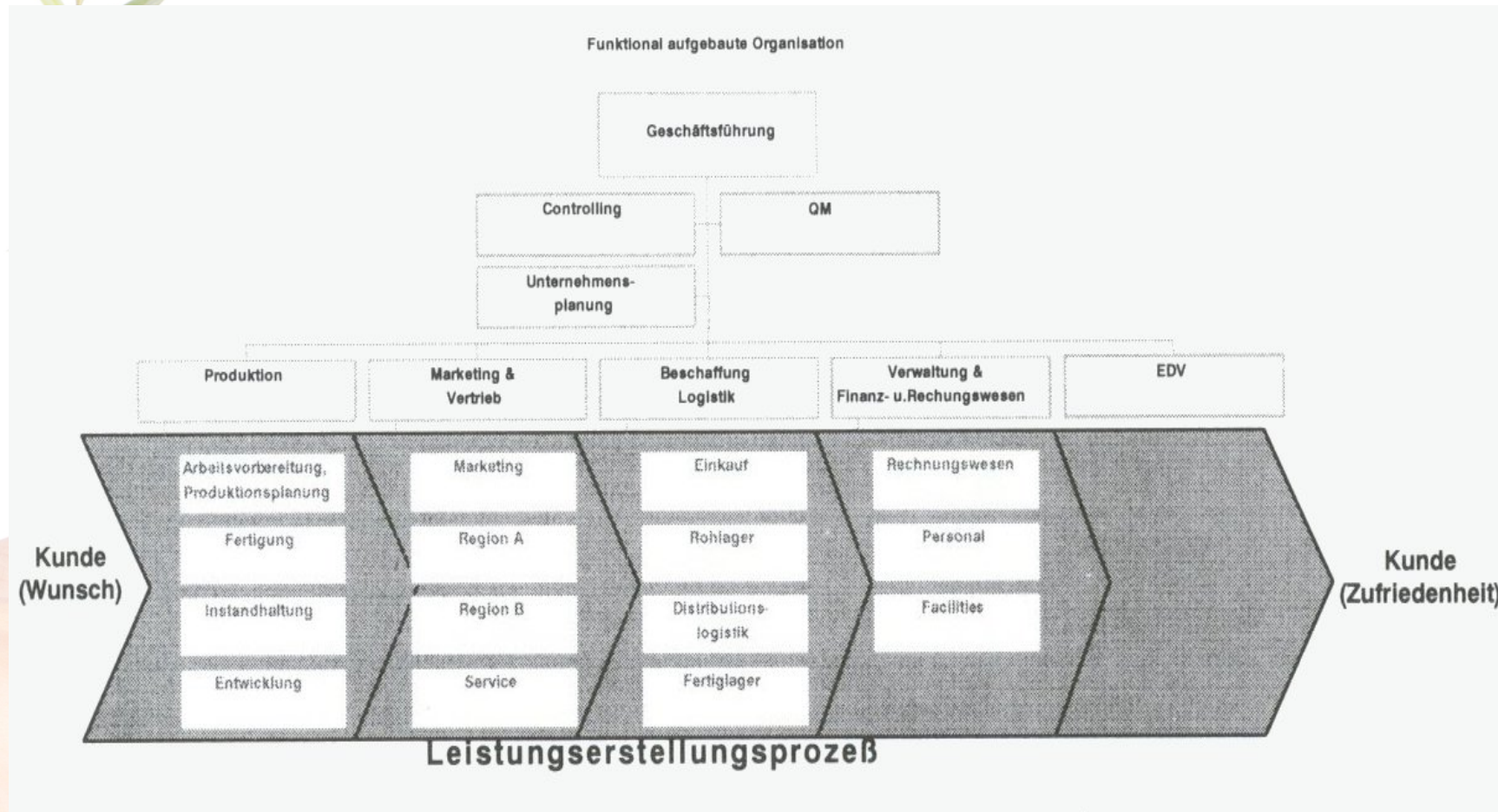
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Adding value...



Quelle: : ISO 9000 - die große Revision

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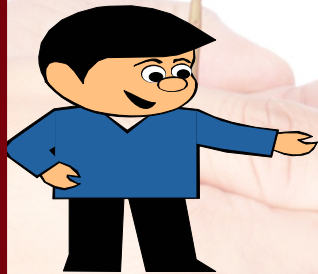
Tips of Management- Systems

„technical“ Systems

Learning
Organisation

manuals

Development of Organisations



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Our approach

- **Securing the future through a comprehensive understanding of clients' needs**
- **Changes affect all levels**
- **Quality through communication**
- **Individuals are responsible for quality**
- **Clients need integrated solutions**
- **Process- and system-orientated approach**
- **Quality through results rather than through procedures**

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Create a Future



Wenn nicht bald eine Weiche kommt, sind wir verloren!