bengin

Increase performance through measuring, mapping and managing values.

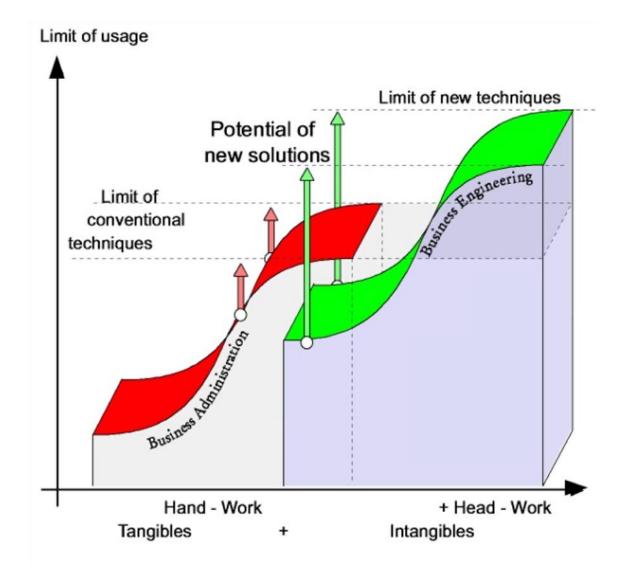
You can manage what you can't measure. (No one can administrate what's not measurable.)

May be your employees can't just yet.

That's one of the reasons why you should introduce measures for the unmeasurable.

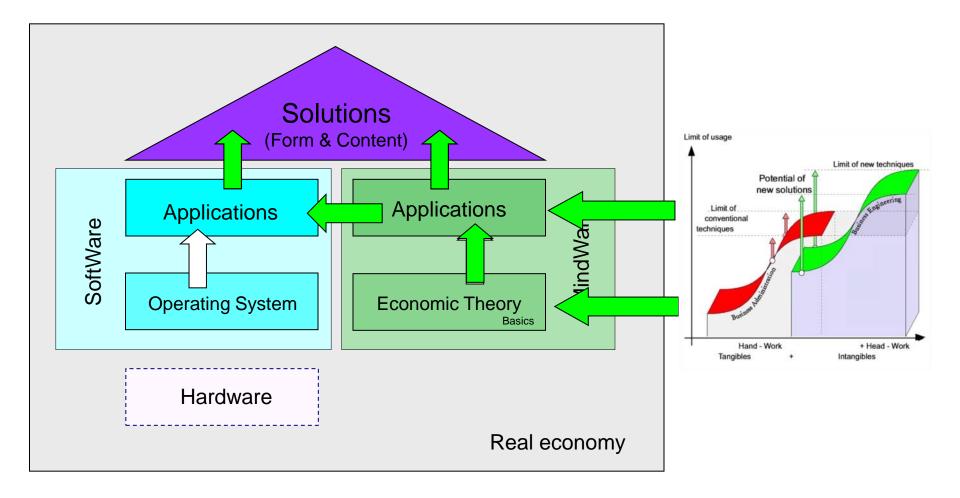
Peter Bretscher Andreas Bürgi 23. August 2003

Next step, focus on economic MindSetting / Paradigms

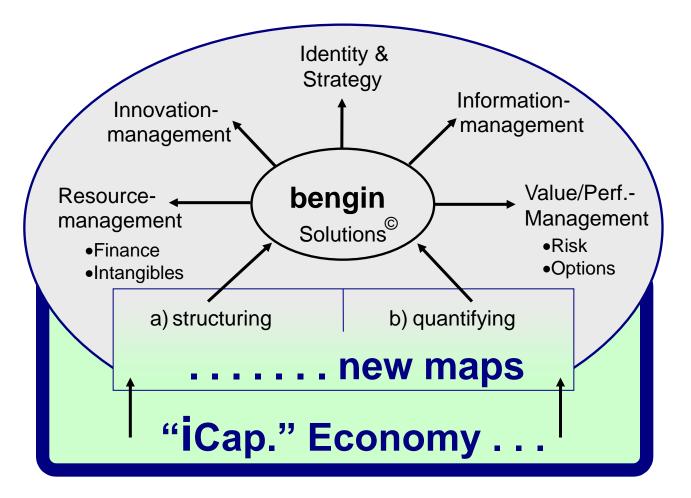


bengin

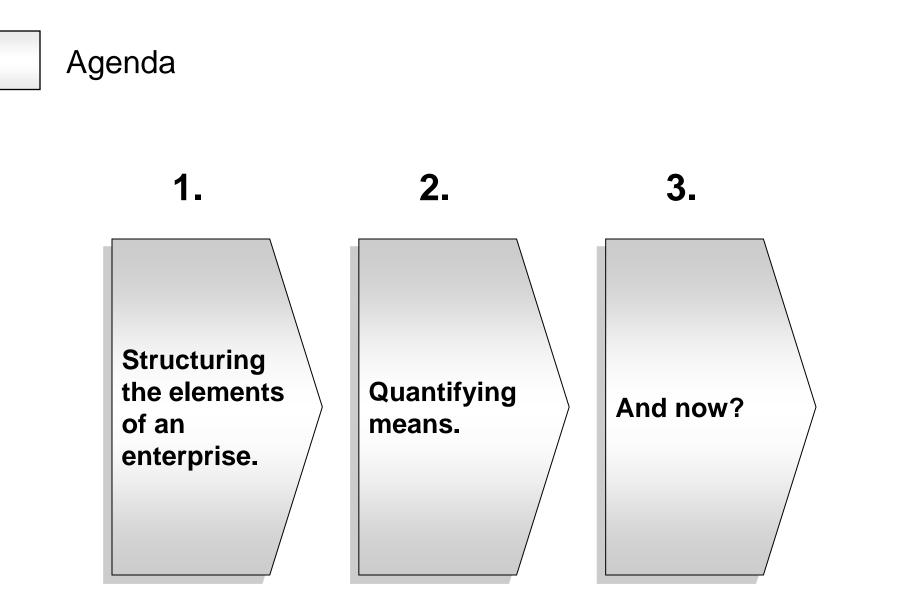
New MindWare & SoftWare \rightarrow quantum leap in the simulation and planning of today's economy.

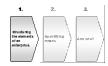


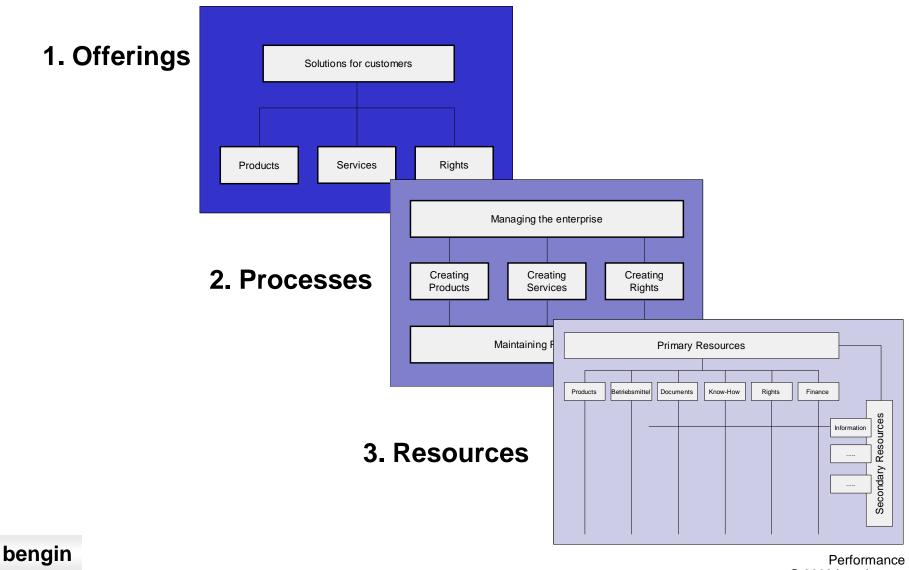
Reality of business has changed – models have to follow



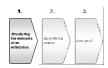
bengin







© 2003 bengin.com

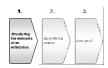


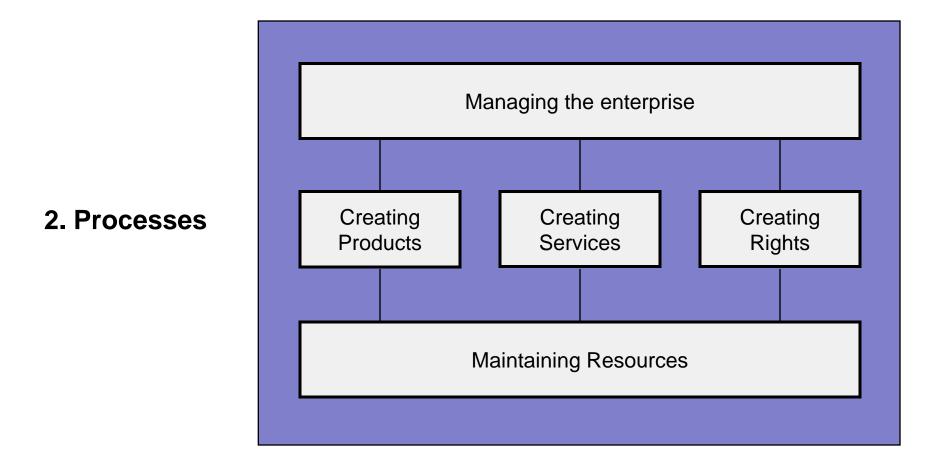
Solutions for customers Rights **Products** Services

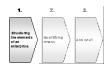
1. Offerings

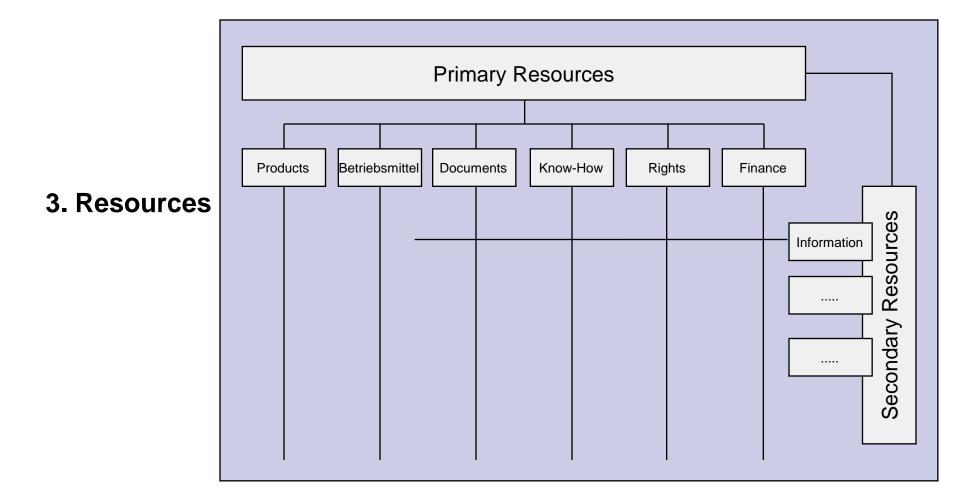
bengin

Performance © 2003 bengin.com



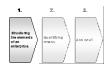


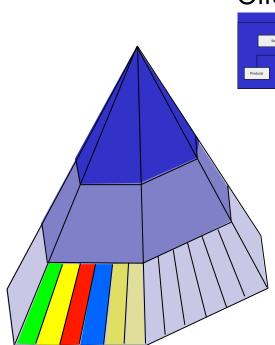




Performance © 2003 bengin.com 10

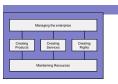
The enterprise model





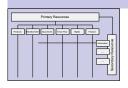


Processes:



- Management
- Creating solutions (Products, Services, Rights)
- Maintaining, developing resources

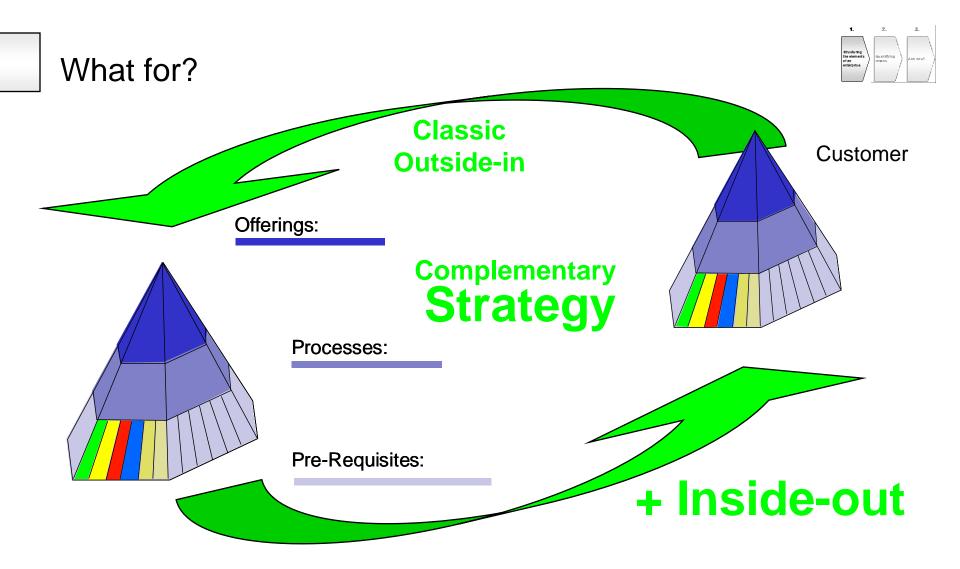
Pre-Requisites:



- Resources
- Resorts (Marketing, R&D, Prod., QS, HR..)
- Customer/Dispatch
- Supplier
- R&D projects
-

Performance © 2003 bengin.com



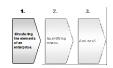


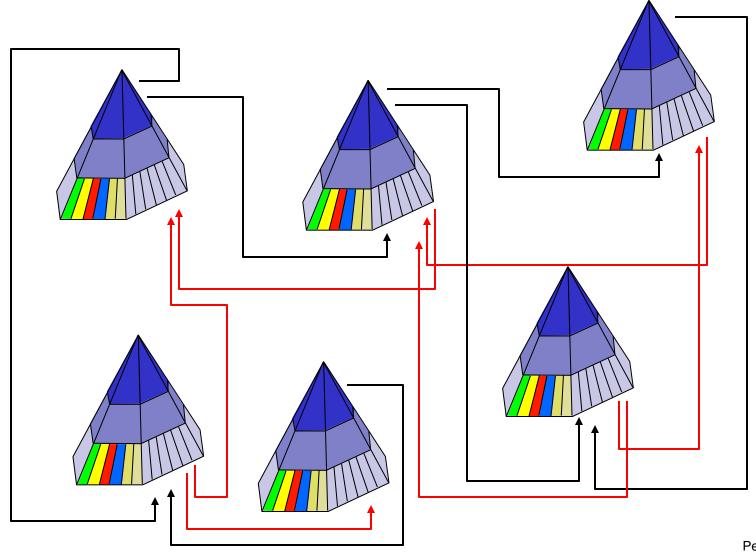
Knowing and using assets in a more holistic and effective manner.

bengin

Loop-relations of enterprises

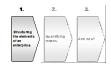
bengin

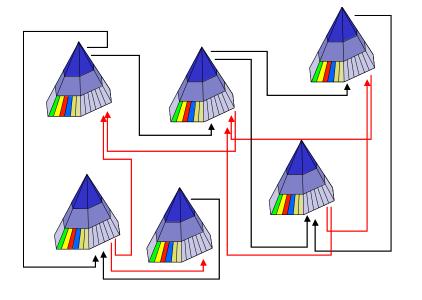




Performance © 2003 bengin.com

What for?



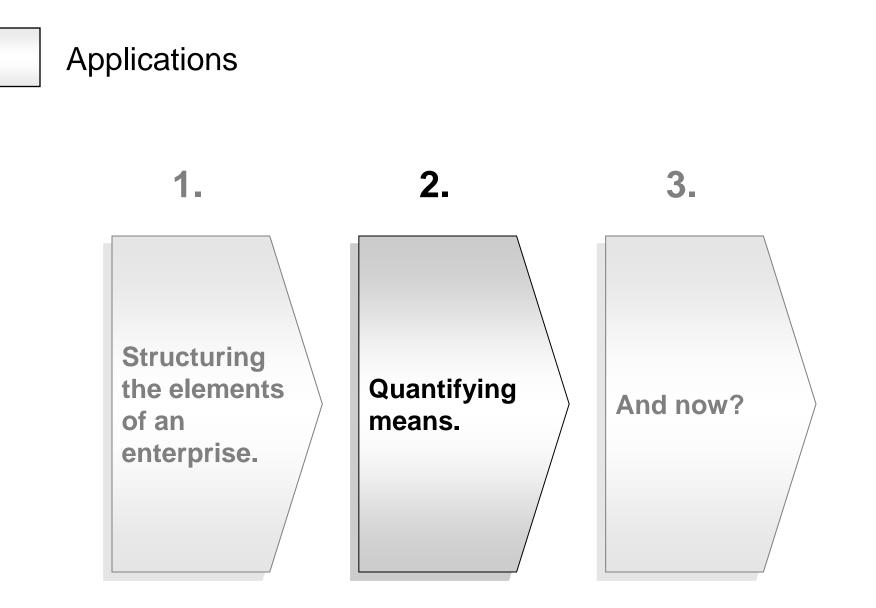


Optimizing flow of:

- Offerings
- Processes
- Resources (tangible and intangible)

Money — other types of business objects

Increasing / reducing / redirecting the flow on the map. Leads to new options for doing business.



Quantifying means

Types of objects:

- a) Tangible objects.
- b) Intangible objects.

Types of metrics:

- a) Subjective metrics References to subjective impressions.
- b) Relative metrics References to a nonagreed numerical base.
- c) Absolute metrics Relation to an agreed numerical standard.

Absolute metrics are metrics with an agreed/normed standard from a Standardization Organization. Before they became "agreed absolute metrics" they were nonagreed relative metrics.

Performance © 2003 bengin.com



Quantifying means

Objects, metrics, numbers and units 2-Dimensions 3-Dimensions linear Scalar, points # #, # #, #, # geometric Generic, Relations, division %, a/b Square С axb d axbxc Volume Vector a, b a, b, c °С Temperature Lengths m Physical items, objects m² Area axb Work mkp m x kp Energy cal m³ Volume axbxc Velocity m/s, direction m/s Force kp, direction kp Mass kg Electricity А Radioactivity curie Colour r, g, b Money \$ Business items, objects \$ Turnover Employees # \$ Earnings \$ Cost Knowledge ? ? ? Rights ? ? ? ? ? ? Information ? ? ? Brand ? ? ? Reputation see, feel, smell artificial metric

If you want to count and map multidimensional attributes (such as the value) of an object, you have to use a multidimensional metric system which shows and visualizes the chosen attributes in an understandable context.

Just compiling a lot of linear, unrelated metrics does not help.

bengin

17

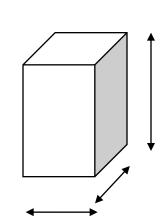
© 2003 bengin.com

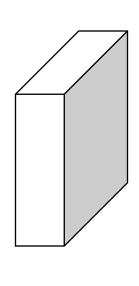
Quantifying means

Content of information. The cube as an object.

a x b x c = d

а	b	С	d
3	4	5	60
15	4	1	60
60	1	1	60
5	6	2	60

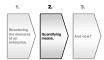




Reduction of measures to linear metric "d" reduces the content of information significantly.

Reduction of value-measures to a linear monetary metric system limits the usage of this system for mapping reality.

bengin





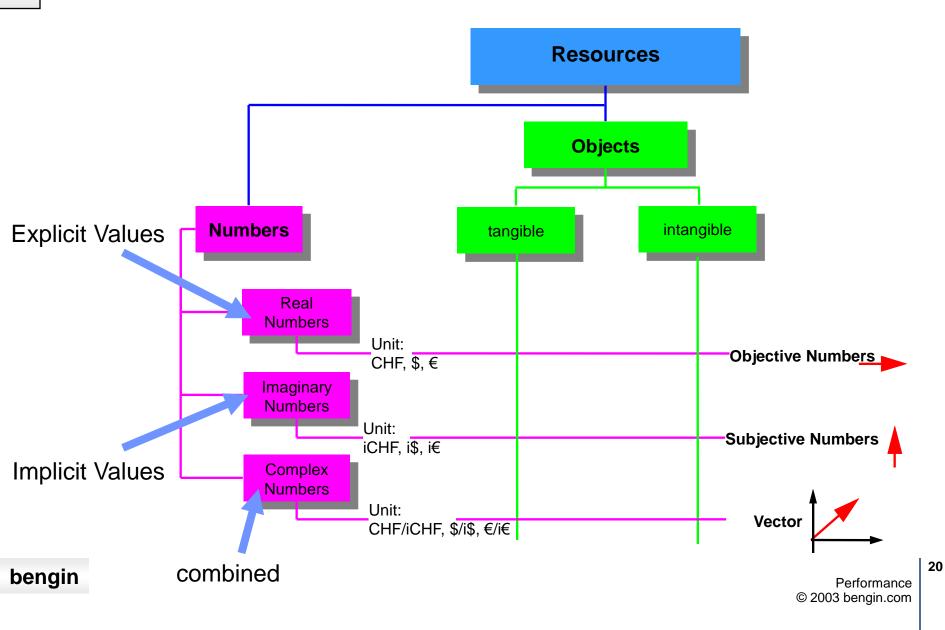
The work of physicists:

- a) Look at (some problems of) the real world.
- b) Invent a numerical solution to explain (some problems of) the real world.
 - either by using the paradigms of classic physicists, or by
 - expanding classic paradigms (Heisenberg, Einstein....),
 - inventing new numbers, metrics (Gauss, Curie...),
 - enabling unexpected additional inventions.
- c) Test, verify, correct solution, implement restrictions and patches.

Measuring multidimensional attributes with a linear and singular ruler leads to a mental dead end.

Objects, Attributes, Value-Measures



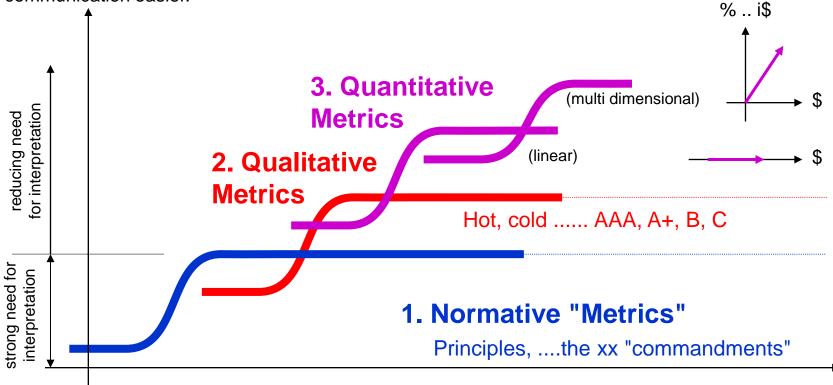


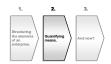
bengin

Performance © 2003 bengin.com

Development of Metrics

Why Metrics? Making rational (and indirect) communication easier.





21

Time

Measuring performance



Creating Values

Counting Values

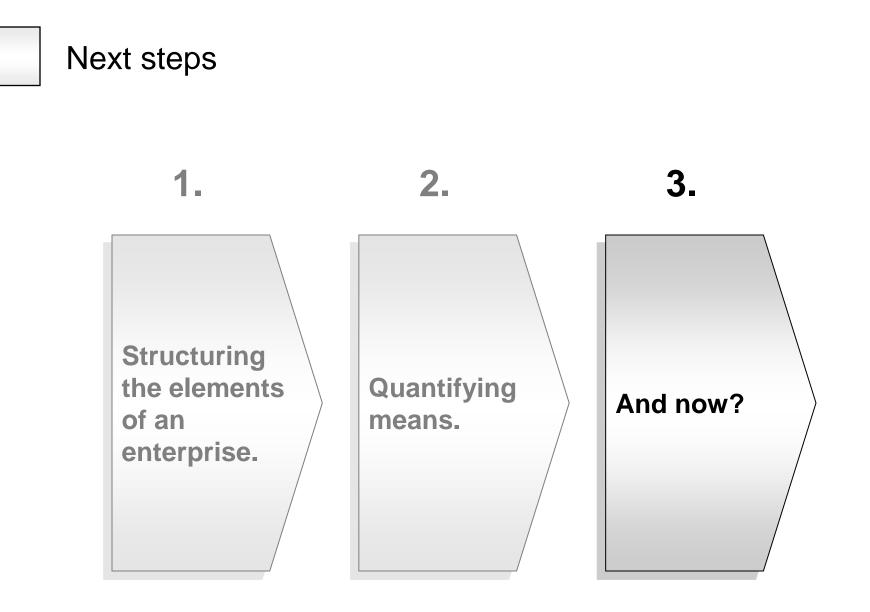


bengin

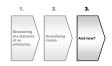
http://www.performanceprofile.com http://www.balancedscoremap.com

Performance © 2003 bengin.com 22

S



5 steps to increase the performance



- 1. (re)cognise your assets
- 2. perform the (2D)valuation
- 3. draw/show the valueprofile
- 4a. set the targets and priorities
- 4b. Repeat steps 1. to 4. as often as necessary
- 5. Launch projects

We build individual value systems. We build individual value enabling systems.

This document is a component of the business engineering system (Registered copyright TXu 512 154, 20. March 1992).

We own the complete intellectual propriety to the systems and parts of it. Commercial use, teaching and publications require one of a license. An unlawful use is a punishable offence in the commercial area. Ask your consultant (or us) for his individual license number.

INSEDE (Institute for Sustainable Economic Development)

INSEDE

Planned to be the legal entity for the practice oriented further development and distribution of economic knowledge, views and perspectives. It was founded by businessmen, convinced that in classic economic theory, among other things, the intangible objects were neglected in a distorting manner.

One of the tasks is not only to show this kind of lack, but to develop instruments with which some weaknesses of the classic business economic paradigms are weeded out quite pragmatically.

A growing community supports **INSEDE** in the development, distribution and application of the new generation of economic models.

Contact for inquiries:

Ingenieurbüro für Wirtschaftsentwicklung Peter Bretscher, Alpsteinstrasse 4, CH-9034 Eggersriet, Switzerland Tel: +41 71 877 14 11 email: <u>pb@bengin.com</u>

We look forward hearing from you.

«We have to introduce a quantitative logic for values, wherein the whole kind of business resources and valuation perspectives will be taken into consideration.»

Aurelius von Damos

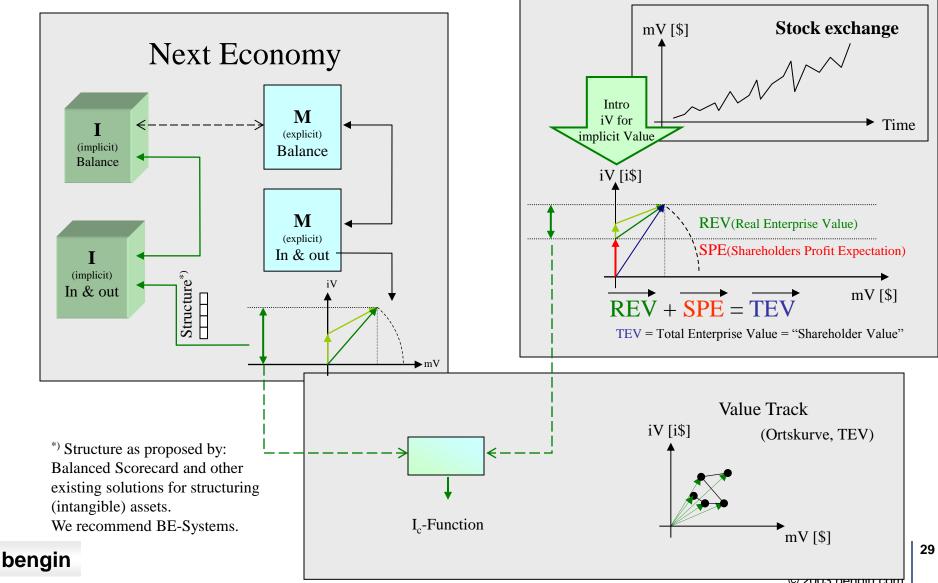
We care about that – and more.

Thank you

bengin.com

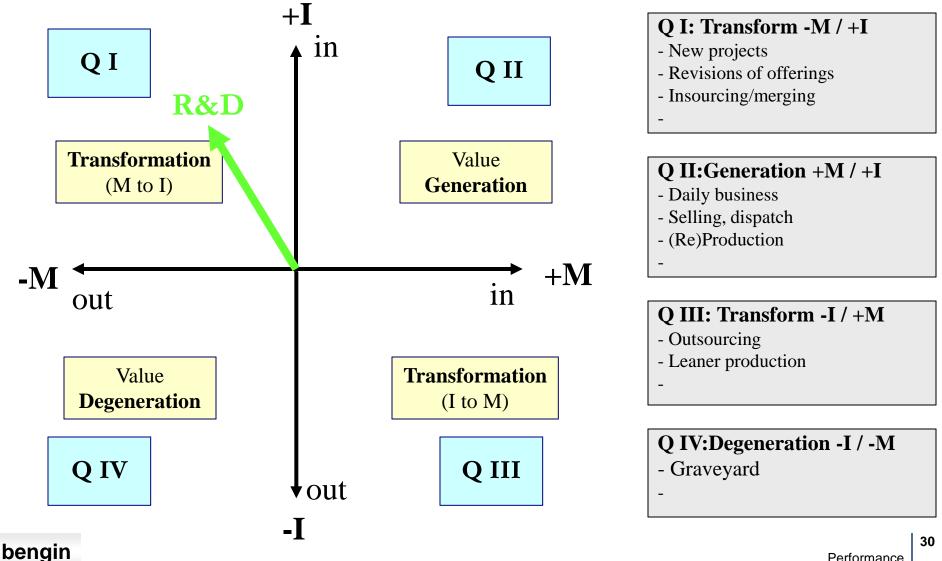
(Re)cognising Values, developing, using

Economic Value Architecture & Engineering



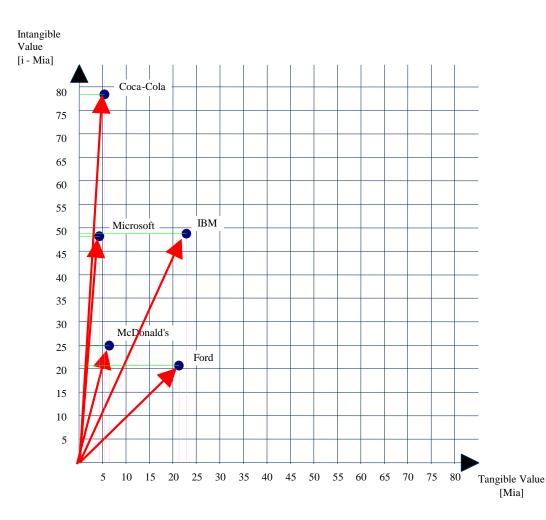
Service Servic

The four Quadrants of Value generation



Performance © 2003 bengin.com

Intagible Assets or Shareholder Value Expectation?



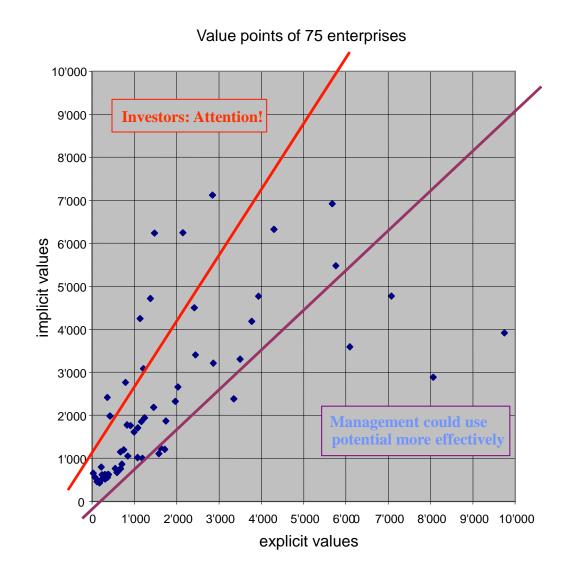
The explicit value and the implicit value together draw a complete picture of the company's value and its development.

The question remains: Is the implicit value given by the value of the company? Is it attributed by some marketing tricks?

Which part of it is created under the influence of the Shareholders Value Expectation?

bengin

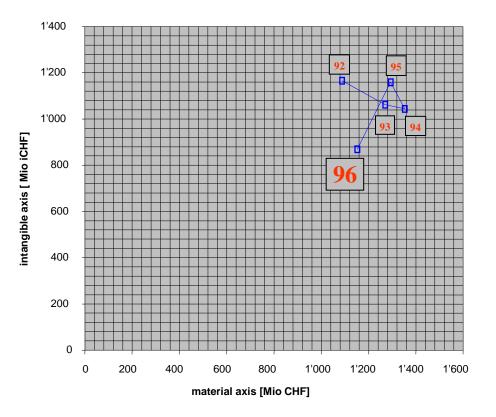
A better model for new decisions



Performance © 2003 bengin.com 32

Track the development of an enterprise

Pointer of vector for five years



bengin

Question:

"What happened in the year 1996?"

Answer: Part of the enterprise was sold.

2nd Question:

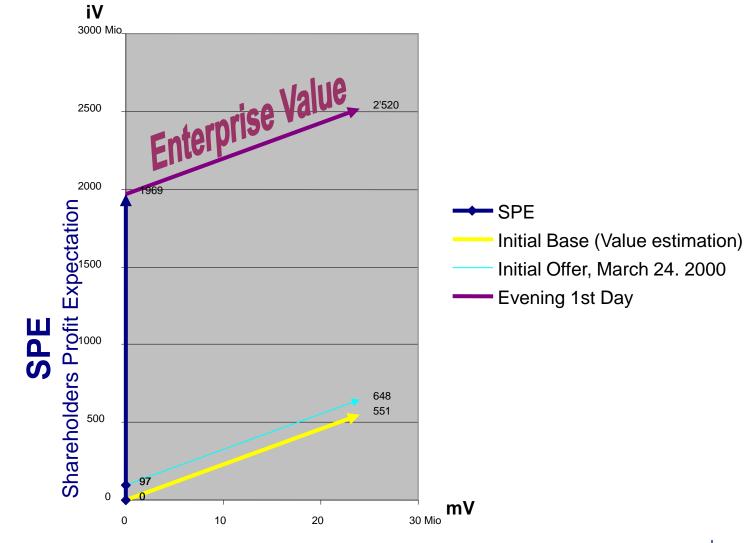
Is this loss of intangible values compensated by the price received for the sold part of enterprise.

Answer: ?

 \rightarrow Ask the Auditor – if he's still available....

Performance © 2003 bengin.com

Value Development (Shareholders view)

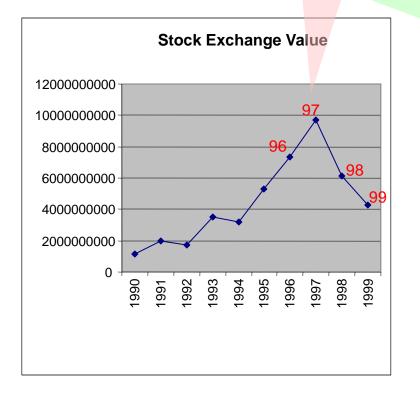


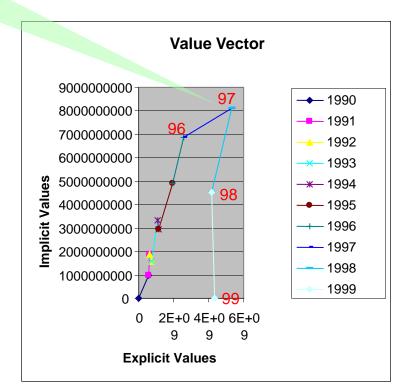
bengin

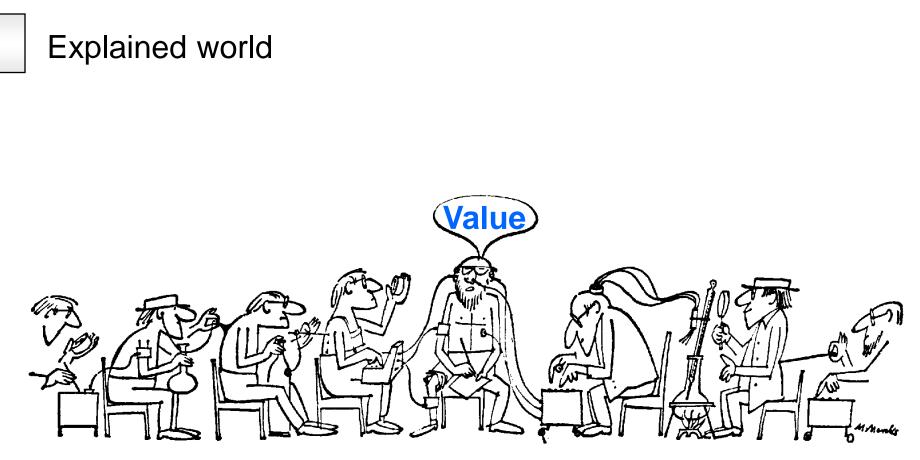
Performance © 2003 bengin.com

Overpriced Papers?

....one year before the classic Market Analysis, the Vector map showed a change in Coca Cola Amatil......







Nach: Marle Marks, Manager Magazin 3/85

36