Presentation 3.2: Demand side energy management

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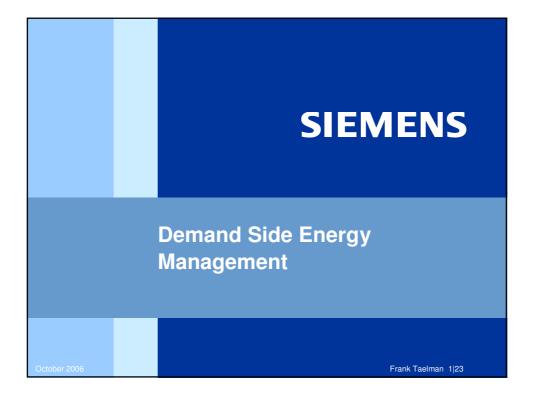
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Abstract

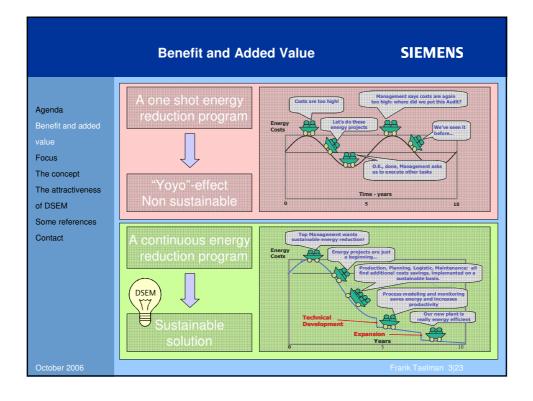
With Demand Side Energy Management Siemens Industrial Services has created a package of services to provide sustained improvement in the energy efficiency of a production facility while reducing energy consumption.

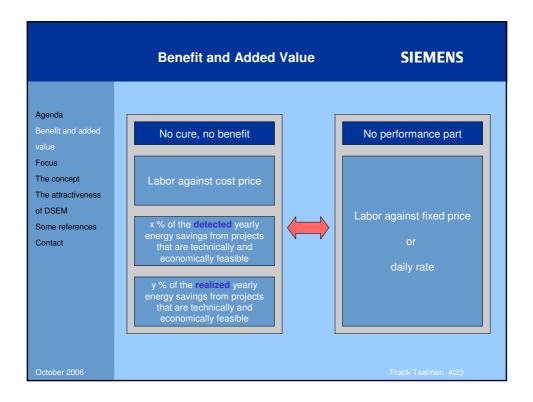
The profitability of a production facility also relies on an inexpensive and reliable supply of power, heating, cooling, and compressed air. The provision of energy, is no more than just a secondary process outside the core competence. Most of all, however, it's a cost factor. Aim is to use energy much smarter, thus increasing productivity.

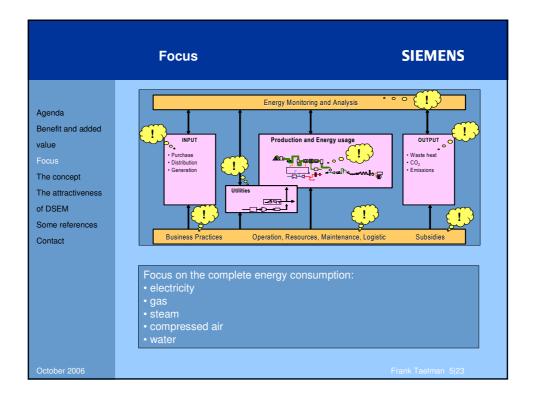
Demand Side Energy Management from Siemens Industrial Services takes a detailed look at the technical and economic aspects of the entire process. This enables us to develop a step-by-step concept to improve energy efficiency in line with the business needs – and then to implement it.

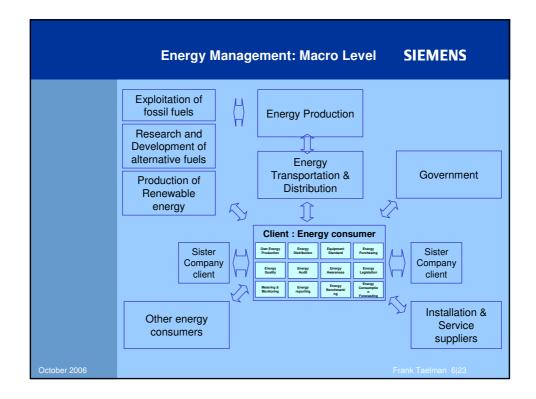




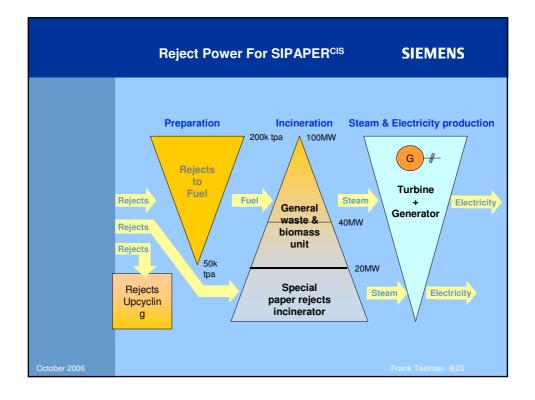


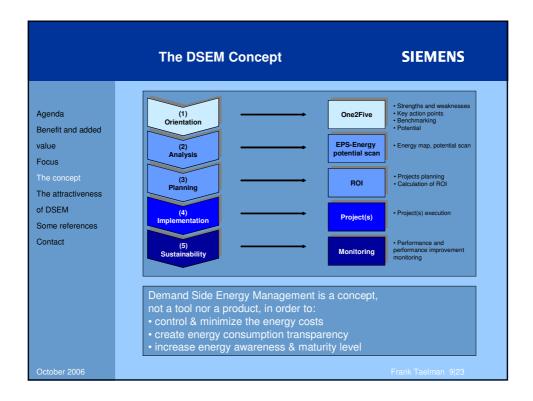


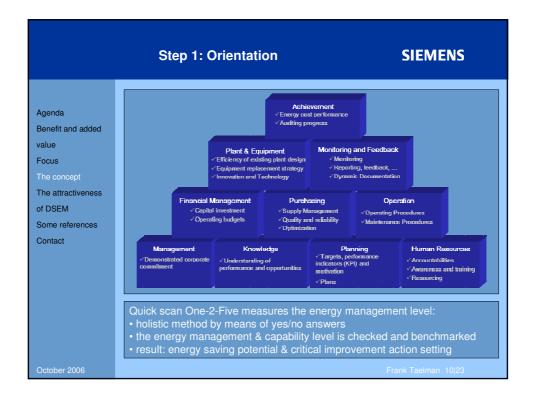


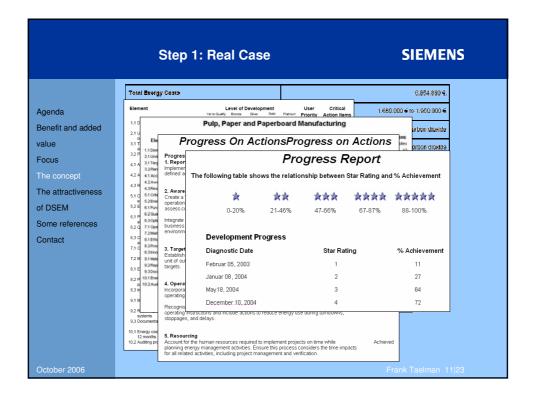


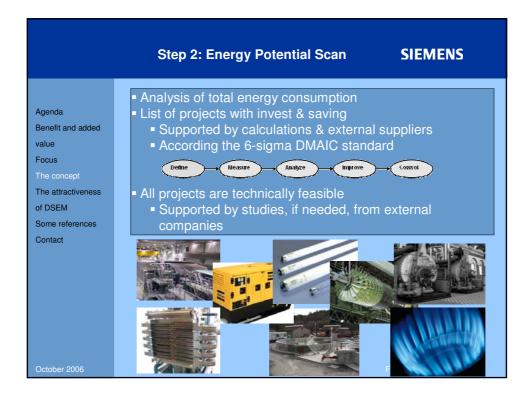


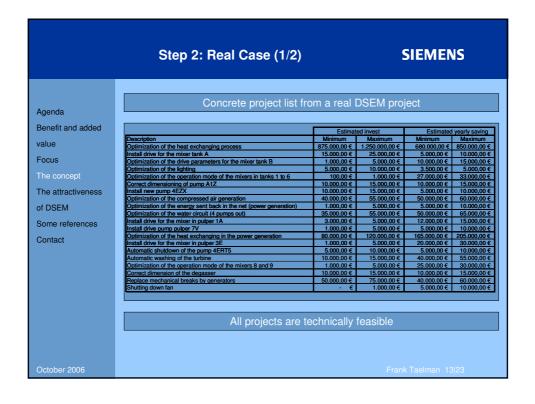


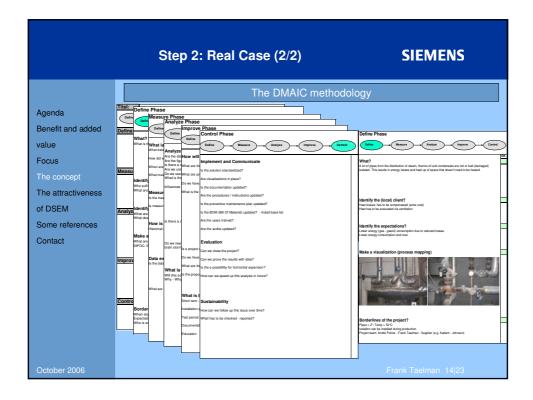




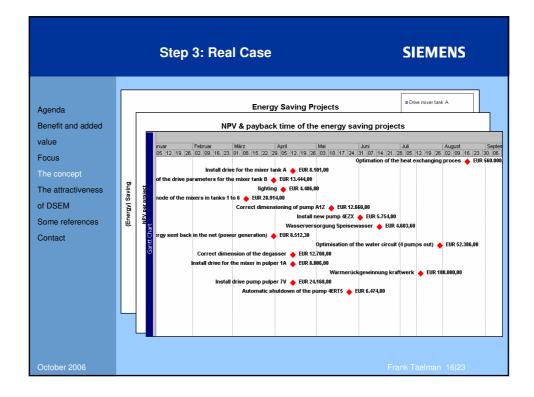






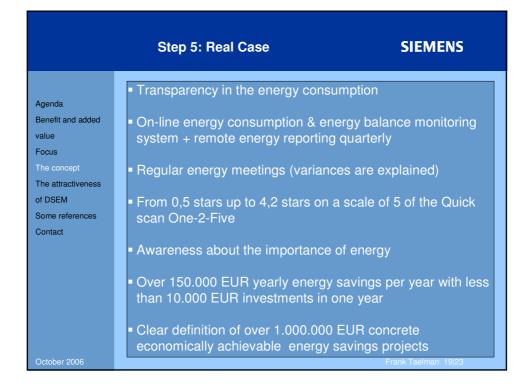


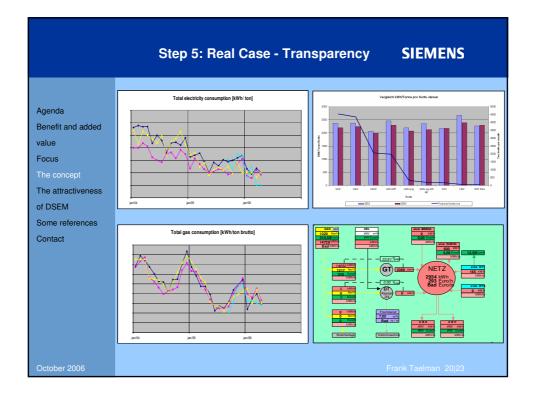


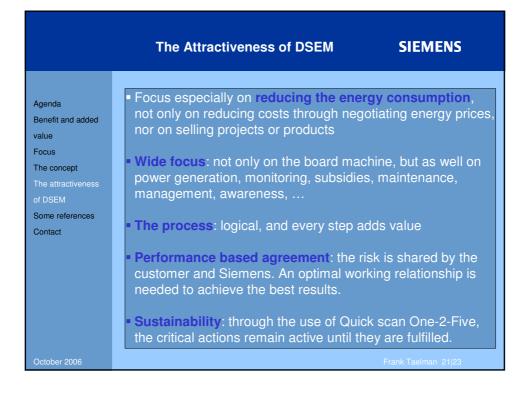




	Step 5: Sustainability Phase SIEMENS
Agenda Benefit and added value Focus The concept The attractiveness of DSEM Some references Contact	 After the projects have been realized: An after calculation is executed The real ROI is defined If this result is not in line with the expectations, corrective action will be taken This phase grants transparency of savings Metering, monitoring & reporting On-line metering & monitoring systems Frequent energy meeting & reporting
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Agenda	Cross-industry experience as added value					
Benefit and added	Type of product	Branch	Туре	Duration	Savings	Country
Focus	Fruit juices	Beverage	Energy plan	15 days	225.000 EUR	Belgium
	Sauces	Food	DSEM	20 days	350.000 EUR	Germany
The concept	Aluminum	Metal	DSEM	45 days	1.000.000 EUR	Germany
The attractiveness	Packaging paper	Pulp & Paper	DSEM	45 days	600.000 EUR	UK
of DSEM	Image & decor	Pulp & Paper	DSEM	100 days	545.000 EUR	Canada
Some references Contact	Decor	Pulp & Paper	DSEM	60 days	120.000 EUR	Germany
Contact	Decor	Pulp & Paper	DSEM	200 days	745.000 EUR	Germany
	Coat & paint	Automotive	Energy plan	35 days	125.000 EUR	Belgium
	WLC	Pulp & Paper	DSEM	330 days	1.050.000 EUR	Germany
	Soya milk	Beverage	DSEM	220 days	750.000 EUR	Belgium
	test liner	Pulp & Paper	Pump & fan study	10 days	20.000 EUR	Belgium
	Board & test liner	Pulp & Paper	One-2-Five	5 days		Netherlands
	Car	Automotive	One-2-Five	5 days		Belgium
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	Contact	SIEMENS
Agenda Benefit and added value Focus The concept The attractiveness of DSEM Some references Contact	Frank Taelman Energy Manager Siemens NV/SA Demeurslaan 132 B-1654 Brussels Belgium E-mail: <u>Frank.Taelman@Siemens.com</u>	
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