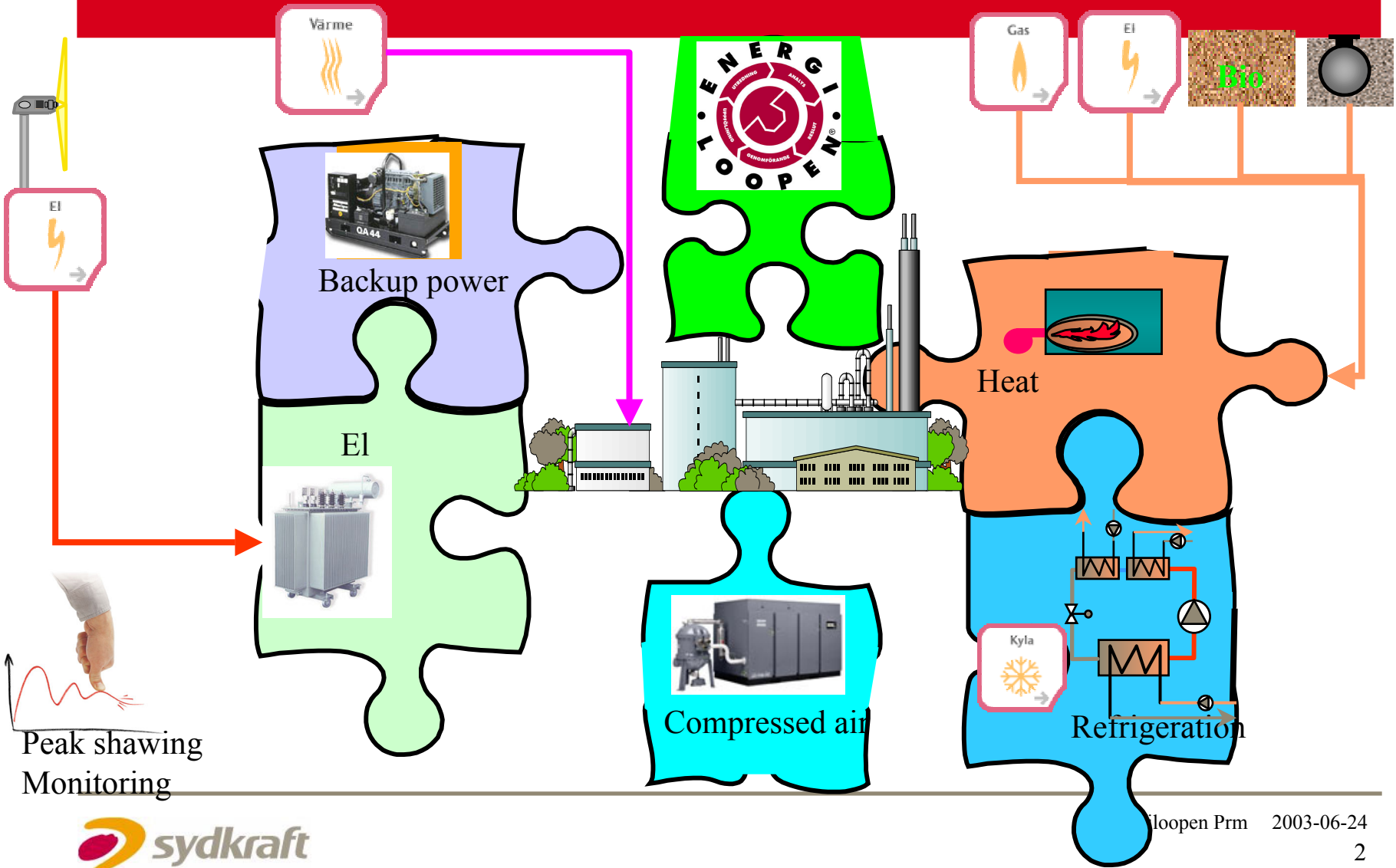


EFFLOCOM Workshop 13-06-2003

# Energy Loop

Marcus Hansson

# Energy solutions that meets the costumer needs



# The Energy Loop<sup>®</sup> - cooperation method

## Five stages

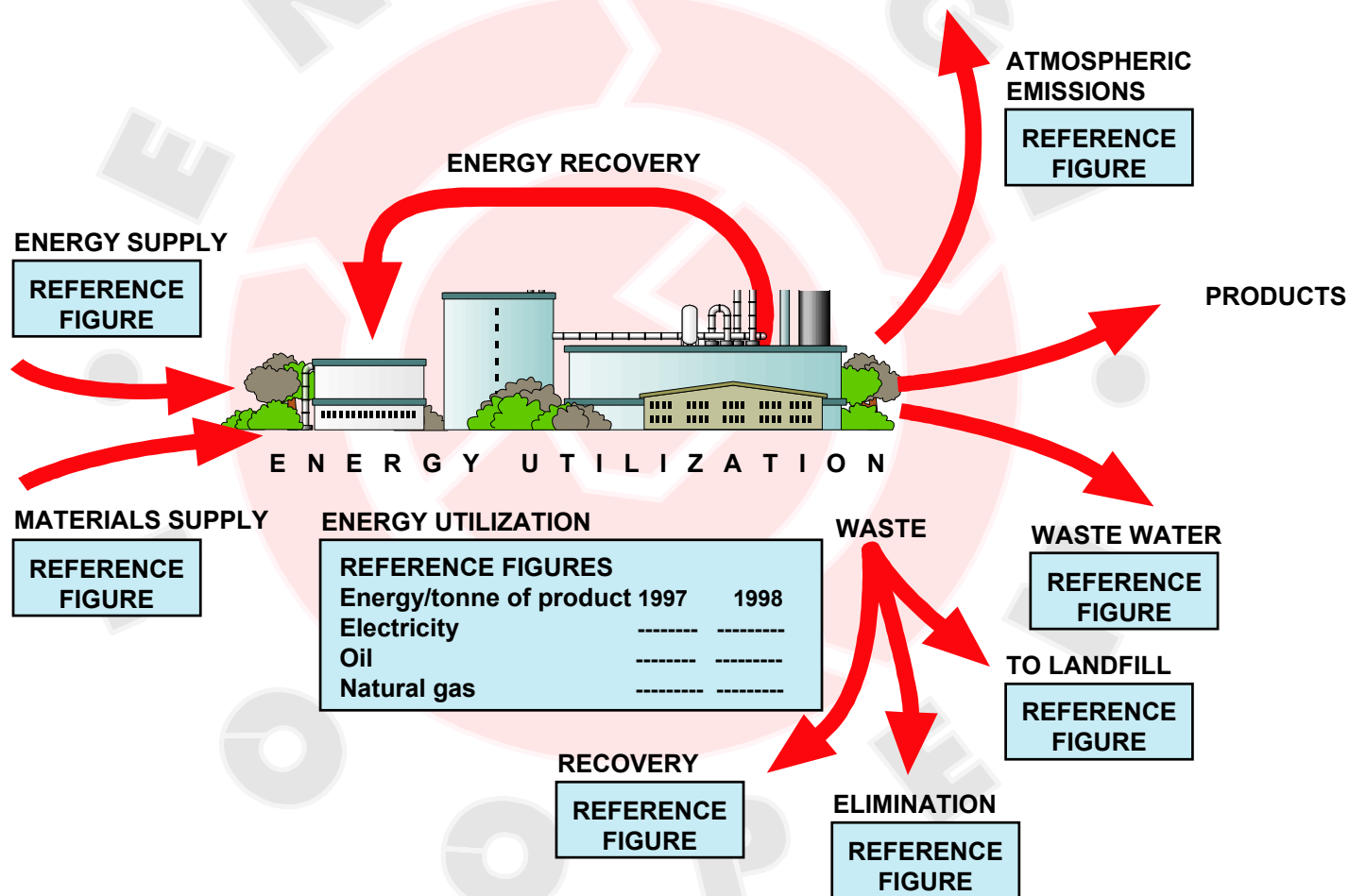
- Study
- Analysis
- Decision
- Implementation
- Follow-up

## Results

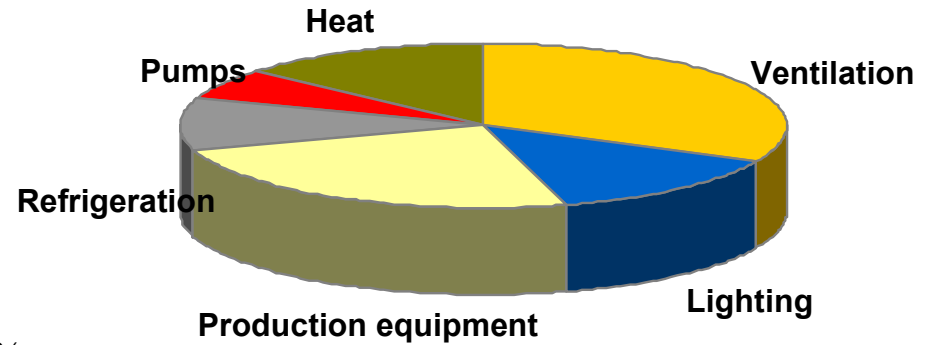
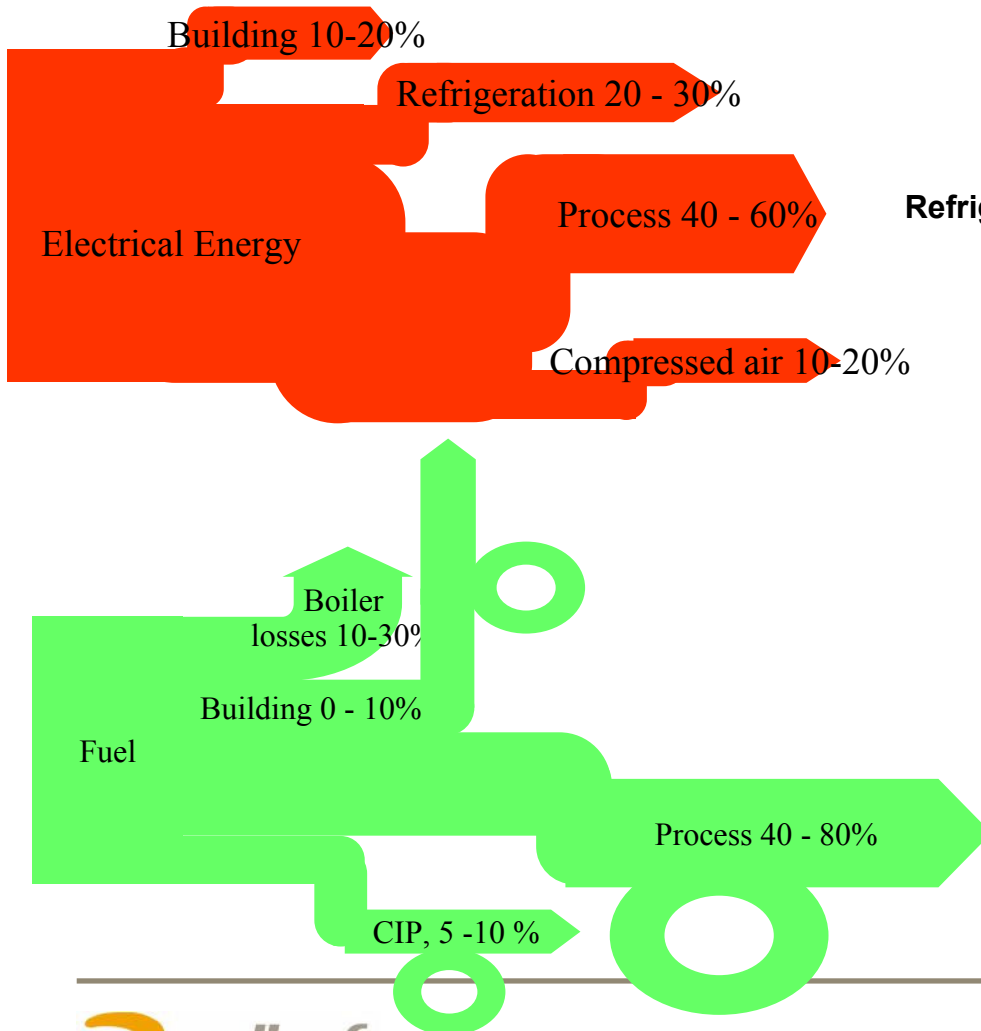
- More efficient energy utilization
- Reduced environmental impact
- Reliable operation
- Higher productivity



# The Energy Loop<sup>®</sup> - cooperation method



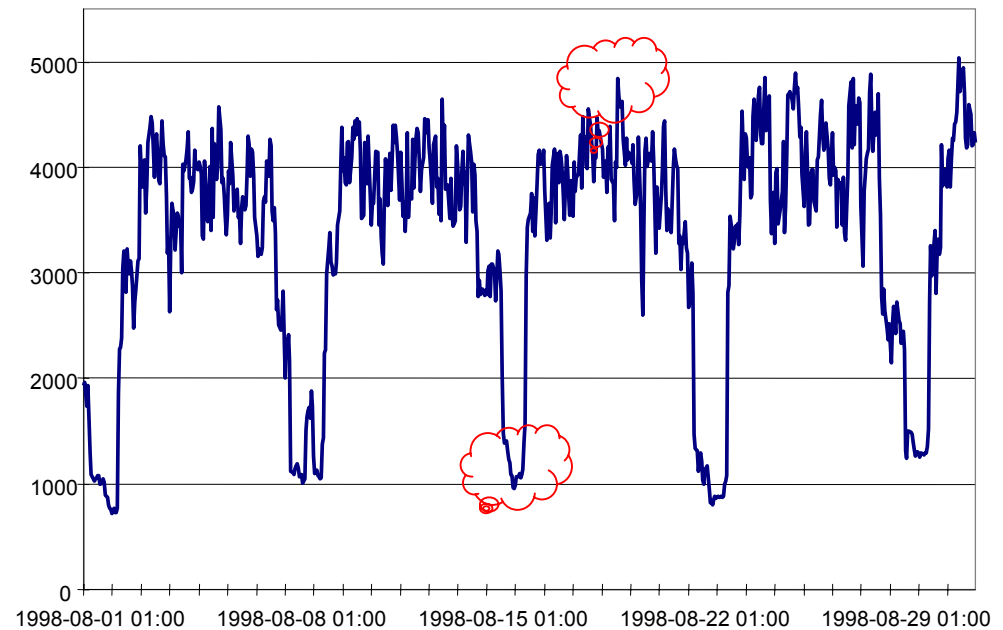
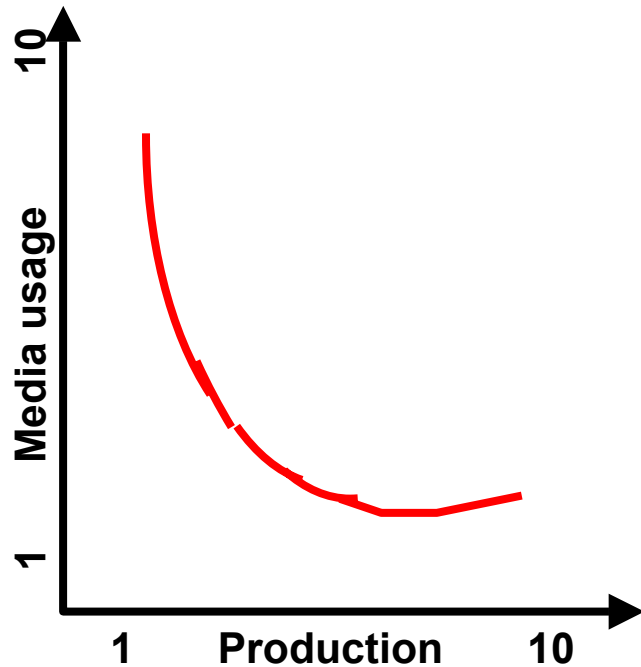
# The Energy Loop<sup>®</sup> - cooperation method



**Customer gain more detailed knowledge of...**

**...where and how energy is used**

# The Energy Loop<sup>®</sup> - cooperation method



Keeping track of the different medias (electricity, steam, water, etc) used within the plant by using a computurized data collection system will help optimise the consumption. Quite often it is also possible to reduce peak demands dramatically.

Troubleshooting and increased knowledge will result in less unexpected production stops.

# At ORCLA

## Analyzed savings potential in food production companies

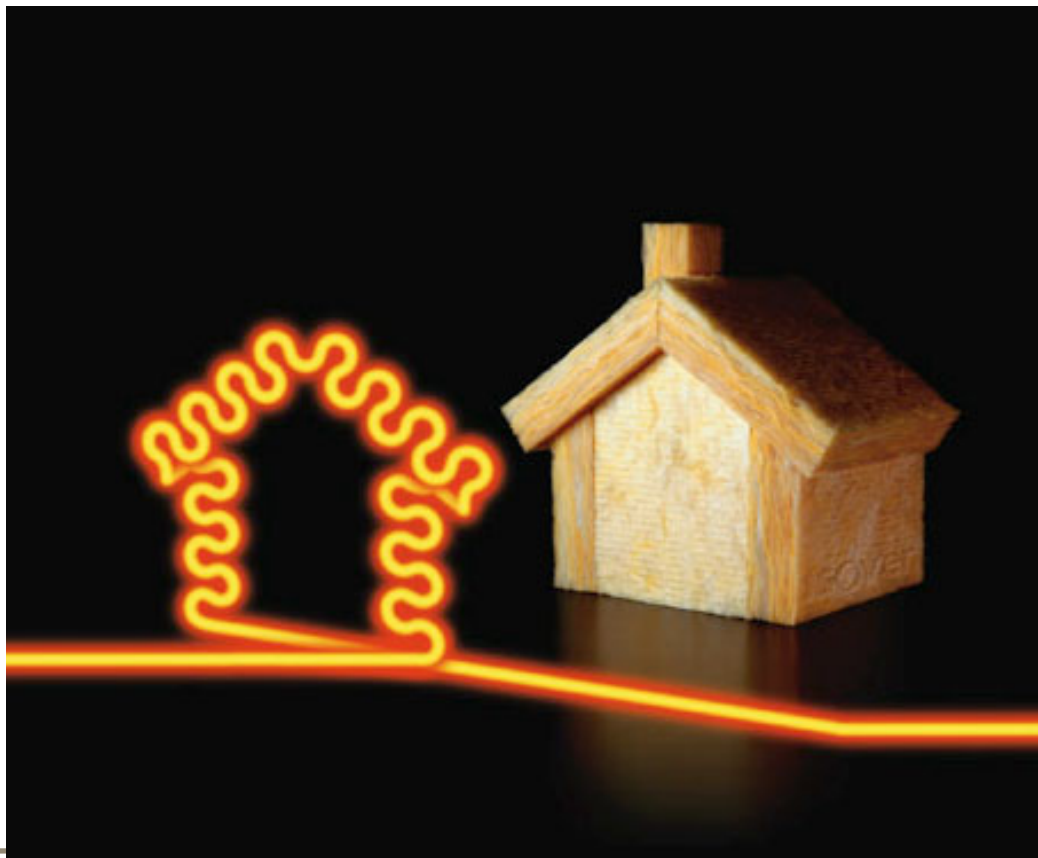
Göteborgs Kex	SEK 495 000 annually
Pripps	SEK 1 525 000 annually
Procordia Food	SEK 1 792 000 annually
Abba Seafood	SEK 526 000 annually

- Control of electric power and pump speed
- Ventilation system control
- Measures on lighting systems
- Heat recovery



# At ISOVER

”We saved 2.500.000 SEK.”



## FACTS

Solution:

Energiloopen®

Savings:

2.500.000 SEK

- Load management with EnergiDirigent.
- Reduction of compressed air consumption.
- Etc

# At SKÅNEMEJERIER

”We reduce cost’s with at least 1.000.000 SEK annually.”



## FACTS

Solution:

Energiloopen®

Savings:

1.000.000 SEK

- Load management with EnergiDirigent.
- Heat recovery.
- Etc

# At TETRAPAK

**”We reduce the environmental impact and costs with 850.000 SEK/year”**



## FACTS

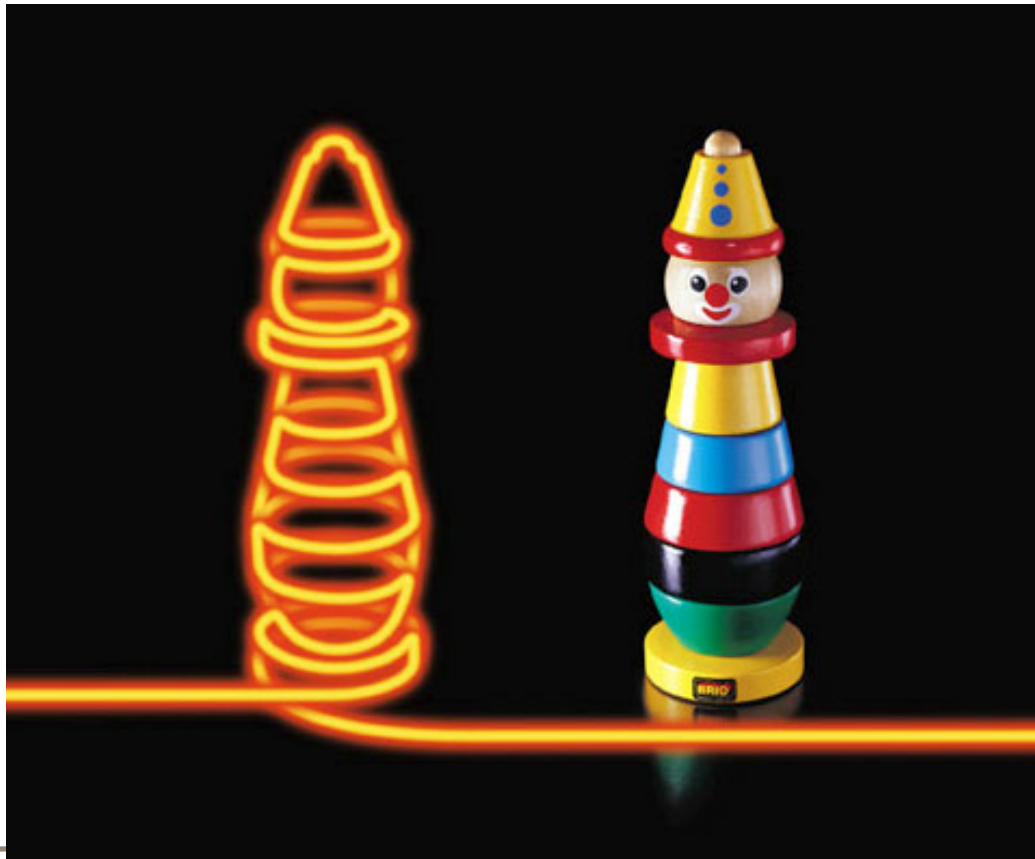
Solution:

Energiloopen®

Savings:

850.000 SEK

## At Brio's "This is only the beginning"



### FACTS

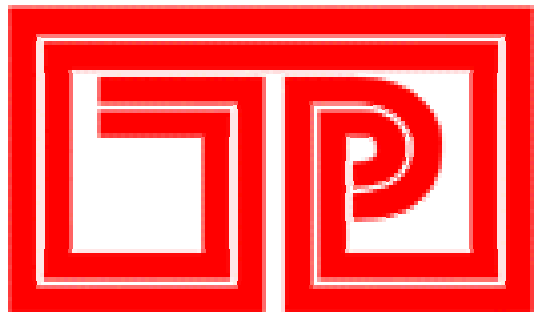
Solution:

Energiloopen® and  
EnergiDirigent

Possible savings:

200.000 SEK

# At THERMOPANEL



## FACTS

Solution:

Energilopen®

Savings:

~ 800.000 SEK/year (50%)

- Simple housekeeping
- Tax questions
- Engaged personnel
- Altered operation of ventilation system.
- Reduced energy usage during no operation (200 kW)

# The Energy Loop<sup>®</sup> - cooperation method

## The goose that laid the golden egg

"We cut our energy costs by SEK 110 000 a year after investing a mere SEK 6500."



Per-Erik Johansson  
Kronägg, Perstorp

# The Energy Loop<sup>®</sup> - cooperation method

## Returns yielded by measures adopted

Kronägg 25 % energy cost reduction

Munksjö Lagamill 8 % energy cost reduction

- Ventilation system control
- Measures on lighting
- Improved production efficiency
- Determination of energy flows



# The Energy Loop<sup>®</sup> - cooperation method

Some of the companies that work with the Sydkraft Energy Loop<sup>®</sup> are listed below

Göteborgs Kex

Pripps / Carlsberg

Abba Seafood

Gullfiber

Emmaboda Glas

Procordia Food

Munksjö Lagamill

Skånemejerier

Orrefors Kosta Boda

Perstorp

Höganäs

Nord-Malt

Ericsson Components

Scania

TetraPak

ABB

Pilkington