

Our Proposal:

Reducing Your Energy Cost

It is not enough to know total energy consumption – you need to know where and when how much energy is consumed. Our analysis will allow you to minimise energy cost by matching products and lines, organisational and planning changes, replacements and technological innovations.

Your energy cost will become a transparent and variable cost factor, not a fixed block unknown to both management and employees. And finally this know-how will be the base for managing your load and negotiations with energy suppliers.



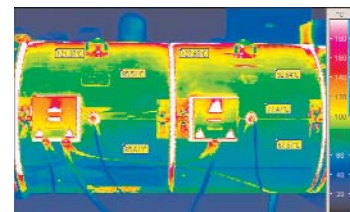
Your Benefits:

Cost Reduction

Energy will become more and more valuable and scarce in the future. Climate change legacy will also be implemented by various forms of added cost on energy.

Marketing Your Efficiency

Top performance in energy efficiency is a growing value for marketing. The awareness of energy issues of customers is constantly rising. Or go all the way to become the first CO₂ neutral extrusion production.

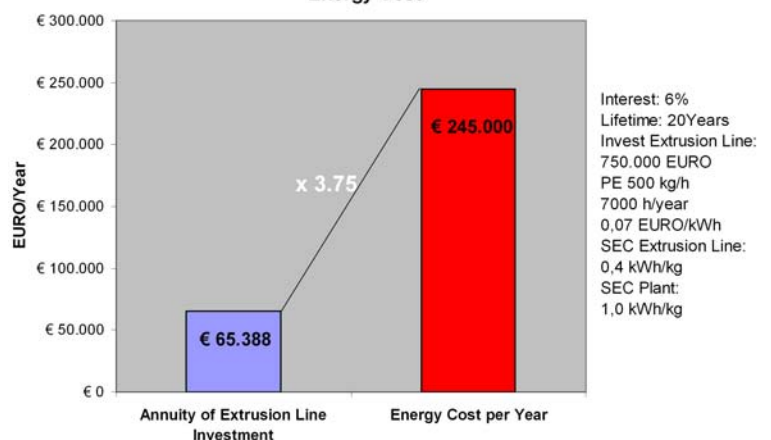


The Potential:

Energy cost can be 3.75 times higher than annuity of the extrusion line investment cost - yet energy cost is often considered marginal!

The EURECIPE European survey of plastics processors showed that pipes and profile producers consume 1,506 Wh/kg of electricity, while most polymers only require up to 250 Wh/kg - revealing a large efficiency potential.

PE Pipe Extrusion - Comparison Extrusion Line Investment and Energy Cost



PLEASE CONTACT US FOR DETAILED TALKS ABOUT YOUR POTENTIAL!

Our Project:

**4 Steps of Reducing
Your Energy Cost**

Investigate, Measure and
Visualize Energy Flow

Analyse Potentials,
Economical Evaluation

Targets and Action Plan

Implementation and Control

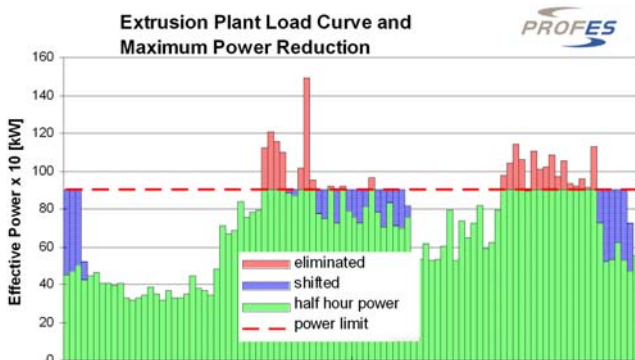
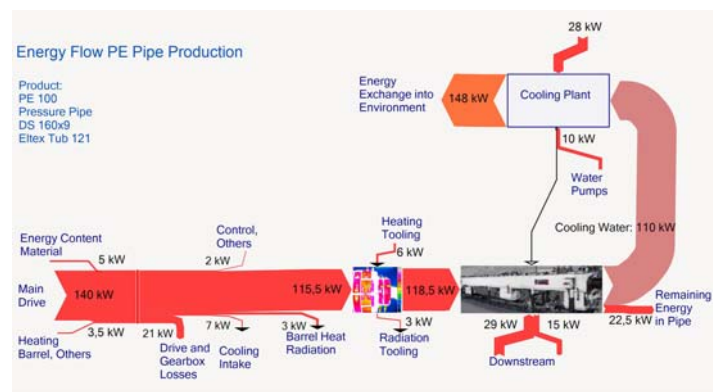
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Services**

- > Energy measurement of extruder, extrusion line or the complete plant
- > Visualization of energy flow in the production plant
- > Load and consumption analysis
- > Evaluation of energy cost and efficiency potentials by product, extruder and extrusion line
- > Economical assessment
- > Cost reduction plan and targets
- > Project management of implementation
- > Installation of a permanent energy measurement system

The scope of services is offered according to the individual needs and requirements of our customers and can range from initial energy measurements to the development of a complete energy efficiency and cost reduction concept.

Analysis Examples:

Energy Flow Diagrams, here at the example of a PE pipe line: matching orders/dimensions to the right extrusion lines, finding savings potentials and weak links in the production.



Quarter hour load pattern: maximum power reduction by 40% from 1,500 to 900 kW. About one third of the energy bill is defined by the maximum power and can in many cases be reduced by load management measures - once consumption patterns of each area are known.

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