



ENERGYEFFICIENCY

CUSTOMER

Different

Energyefficiency: optimization (pinch analysis)



The pinch analysis is an important feature to determine the as-is state in thermal production processes and in the implementation of optimization measures.

Energy savings from 10 to 40% are realistic according to our experience. Our strength is that we not only plan the optimization measures, but engineer and realize turnkey plants.

Our process engineering process expertise enables efficient data collection and a correct interpretation of the process data. We are equipped with the latest instruments for this purpose. The acquired process data are processed in the pinch-software (HSLU) and can be plotted in parallel as an energy flowchart (Sankey). The software's pinch analysis steps result in an ideal system design with minimal energy consumption as required.

Operational, technical and economic constraints are involved in order to adapt this style to the real conditions.

Optimisation

When planning the optimization measures we proceed systematically. Our experience in engineering production plants allows us to develop pragmatic solutions and to elicit practical investment and operating costs, resulting in a precise calculated payback period. Our approach considers complexity factors and a high degree of automation for production facilities and limited plant downtime.

Implementation

We are in the position to carry out the optimization projects turnkey and guarantee thereby the defined savings.

Promotion

The federal energy agency promotes under Energy Switzerland rough analyses with up 60% resp. maximal CHF 5'000.- Pinch-analysis up to 60% (batch process), resp. 35% (continuous processes)

We would be pleased to advise you!

Priorization of optimization steps

