PINCH SOFTWARE

10 steps to energy efficiency and profitability in industry
YOUR CHALLENGE

Saving Energy and Costs

Do you want to reduce your thermal energy costs, but the saving potential is unclear?

Do you wonder what opportunities are available to achieve the energy and cost saving potential?

Do you need software to optimize your whole industrial process?

Do you need capabilities to analyze time dependent processes?

Do you need support for integrating energy conversion units (ECUs) properly into your process?

OUR SOLUTION

PinCH Software for Pinch Analysis

PinCH determines the absolute energy and cost saving potential.

PinCH provides a quick and flexible evaluation of various designs and scenarios.

PinCH supports you in optimizing systematically a broad spectrum of industrial processes.

PinCH is unique in handling both direct heat recovery and heat storage analysis.

PinCH enables the correct integration of ECUs, thermal energy storages, etc.
CHARACTERIZE YOUR PROCESS

Understand and quantify your thermal energy needs (steps 1-5)
- Obtain a thermal energy fingerprint of your plant design
- Visualize your heating and cooling requirements with time-dependent behavior
- Establish your process schedule and economic data framework

OPTIMIZE YOUR PROCESS

Set targets and find optimization opportunities (steps 6-10)
- Determine the best economic use of thermal energy within your process
- Transform the savings potential into flexible yet practical designs
- Prioritize the solutions according to their energetic and economic benefit
For further information, please visit www.pinch-analysis.ch and get started with a trial version. Contact: pinch@hslu.ch

Contact English and German
Lucerne University of Applied Sciences and Arts
Competence Center Thermal Energy Systems and Process Engineering
Technikumstrasse 21
CH-6048 Horw
Prof Dr Beat Wellig
T +41 41 349 32 57
beat.wellig@hslu.ch

Contact French
Haute Ecole d’Ingénierie et de Gestion du Canton de Vaud
Institut de Génie Thermique Centre de compétence PinCH francophone
Avenue des Sports 20
CH-1400 Yverdon-les-Bains
Dr Pierre Krummenacher
T +41 24 557 61 54
pinch@heig-vd.ch

«PinCH is a tool that enables engineering professionals to easily and quickly complete a pinch analysis in a systematic and clearly presented manner.»

Prof Dr Beat Wellig, Head of the PinCH team at Lucerne University of Applied Sciences and Arts

PinCH was developed with support from the Swiss Federal Office of Energy.