

EINSTEIN TRAINING
COURSE for thermal energy audits

industry audit

Day 1

Why EINSTEIN? Introduction and background to the EINSTEIN thermal auditing software tool	9.00 - 9.30
The EINSTEIN Tool - an overview of the software tool architecture, calculation modules, and main features <ul style="list-style-type: none"> Demonstration of the EINSTEIN software tool 	9.30 - 10.45
COFFEE BREAK	10.45 - 11.00
How to perform an EINSTEIN energy audit - general steps of the methodology	11.00 - 11.30
Energy Fundamentals and EINSTEIN's concepts - basic definitions and concepts used in EINSTEIN. <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	11.30 - 13.00
LUNCH	13.00 - 14.00
Energy Fundamentals and EINSTEIN's concepts - continued	14.00 - 14.45
First steps with EINSTEIN - Key data to obtain; how to input data; consistency checking and the energy balance <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	14.45 - 15.30
COFFEE BREAK	15.30 - 15.45
First steps with EINSTEIN - continued	15.45 - 17.00

Day 2

Practical example carried out by trainees on data entry and analysis of the resulting energy balances with EINSTEIN	9.00 - 10.00
Process optimisation and heat recovery in EINSTEIN – background and methodology, potential for heat recovery, design of a heat exchanger network <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	10.00 - 11.00
COFFEE BREAK	11.00 - 11.15
Process optimisation and heat recovery in EINSTEIN - continued	11.15 - 12.15
Heat and cold supply systems in EINSTEIN - background and methodology, manual and assisted design of alternative systems, energy performance simulation <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	12.15 - 13.00
LUNCH	13.00 - 14.00
Heat and cold supply systems in EINSTEIN - continued	14.00 - 15.15
COFFEE BREAK	15.15 - 15.30
Heat and cold supply systems in EINSTEIN - continued	15.30 - 16.00
Cost assessment in EINSTEIN - key economic parameters <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	16.00 - 16.30
Alternatives comparison in EINSTEIN and report preparation <ul style="list-style-type: none"> Demonstration with the EINSTEIN software tool 	16.45 - 17.00

Day 3

EINSTEIN recap	9.00 - 9.15
Practical example covering all elements of EINSTEIN <ul style="list-style-type: none"> • Case study carried out by the trainees 	9.15 - 11.00
COFFEE BREAK	11.00 - 11.15
Practical example covering all elements of EINSTEIN - continued	11.15 - 13.00
LUNCH	13.00 - 14.00
Practical example covering all elements of EINSTEIN - continued	14.00 - 15.30
COFFEE BREAK	15.30 - 15.45
Presentation of results by trainees and evaluation/discussion	15.45 - 16.15
Fast assessment with EINSTEIN	16.15 - 16.30
Outlooks for future development	16.30 - 16.45
Feedback round	16.45 - 17.00

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