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Project Acronym:	**EFENIS**
Deliverable no.:	**5.7**
Title of the deliverable:	**APPLICATION OF ENERGY INTEGRATION MANAGER TOOL, UPDATED CASE (PUBLIC SUMMARY)**

Contractual Date of Delivery to the CEC:	**Month 36**
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Lead beneficiary:	**TUHH, BAY**
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Participant(s):	**P1**
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PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	**X**

The main objective of work package 5 is the implementation of methods and tools developed in the work packages for the *decision-supporting methodology* and for the *enabling technologies*. This specific report is about task 5.7 and covers the application of the Energy Integration Manager tool (EnIgMa) developed through the course of work package 11. The aim of deliverable 5.7 is to demonstrate the usability of the final EnIgMa tool on large amounts of process data. A reliable data handling is mandatory. In order to assure this issue several guidelines for the application of the EnIgMa tool will be given within Deliverable 5.7. The presented task will conclude with an analysis of exemplary process changes that have been identified through the course of the EFENIS project.

Major topics of this deliverable are:

- Data handling for modelling approaches concerning the difference of hierarchical segmented data in contrast to completely independent process models
- Different forms of thermal data and how this data is processed
- Guidelines for an optimal utilization of computer aided flowsheets
- An example of the visualization for a modified process design that was identified and accomplished through the course of the EFENIS project