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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 next step is the development of a software prototype of the Energy Integration Manager Tool (EnIgMa-Tool). The prototype is supposed to be used for several rounds of testing with idealized literature cases. A suitable process example has to be chosen and supplied in the form of Aspen Plus process models. As agreed Aspen Plus is the major data source for the demonstration case. The implementation of a first interface for the application of a third party optimization framework using the extracted data from Aspen Plus is another important objective.

In accordance to the above mentioned objectives this work will give an overview about several software architecture segments as well as first insights to the appliance of the prototype. This work will mainly present the following aspects for the currently existing prototype.

- Graphical user interface and services
- Implemented analytical options
- Data extraction and data storage via interface to Aspen Plus
- Implementation of an optimization framework via an interface to SynTHEx

The presentation of this deliverable covers all topics of the Energy Integration Manager layout as it was defined within Deliverable 11.2.