Asset Manager

The AM is a repository for static system information and is responsible for making this information available for other modules. The AM can hold its data in local files.

Through the AM, other modules can retrieve heating grid information such as name and a graphical representation of the grid.

The AM provides all configuration data for the production units such as name, possible operation points and a graphical representation of the units itself.

An operation point defines how a device can be operated. Parameters are produced heat, produced / consumed electricity, production costs, consumption of primary energy, produced CO_2 emissions. There is typically a minimum and a maximum operation point but, in this case, we assume that there is a maximum operation point for each unit which can be regulated to zero, meaning the device is switched off.