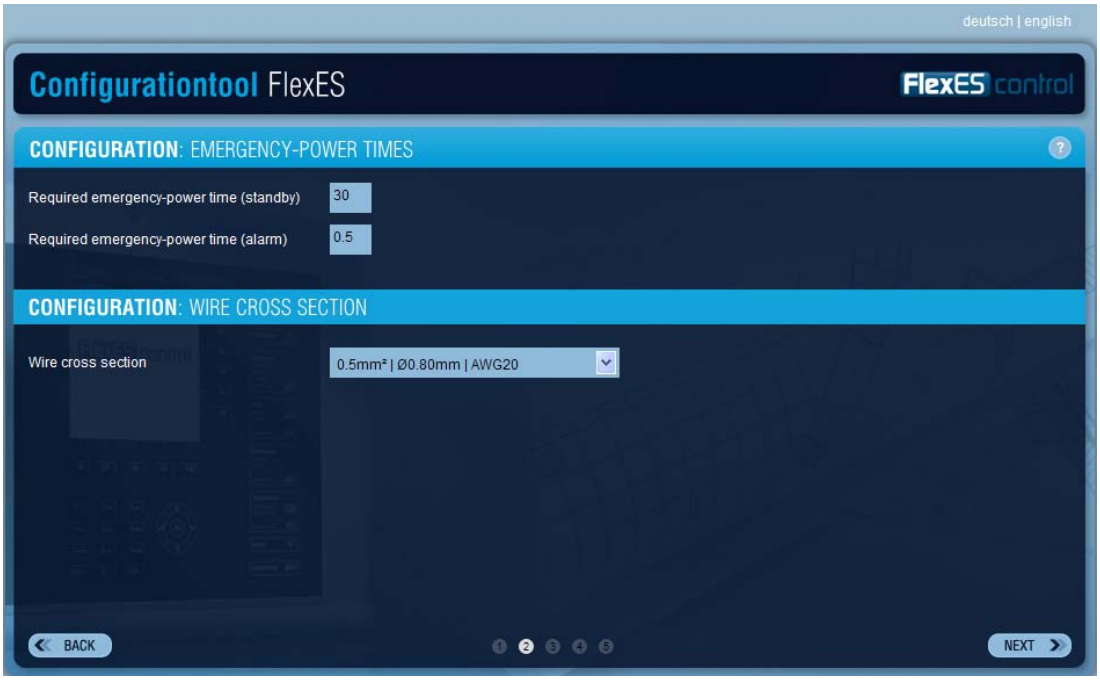
Configuration tool FlexES

This configuration tool serves for the offline planning and following documentation of a fire alarm system with the fire alarm control panel (FACP) FlexES control.
Considering the emergency-power times, the wire cross section, the quantity and type of the analog loops (including detectors, alarm units, etc.) as well as the power supply, the software enables you to calculate the battery capacity, the number of power supply units and the total thermal output. The specified thermal output conduces to the calculation base, e.g. to plan air condition and the ventilation technology.

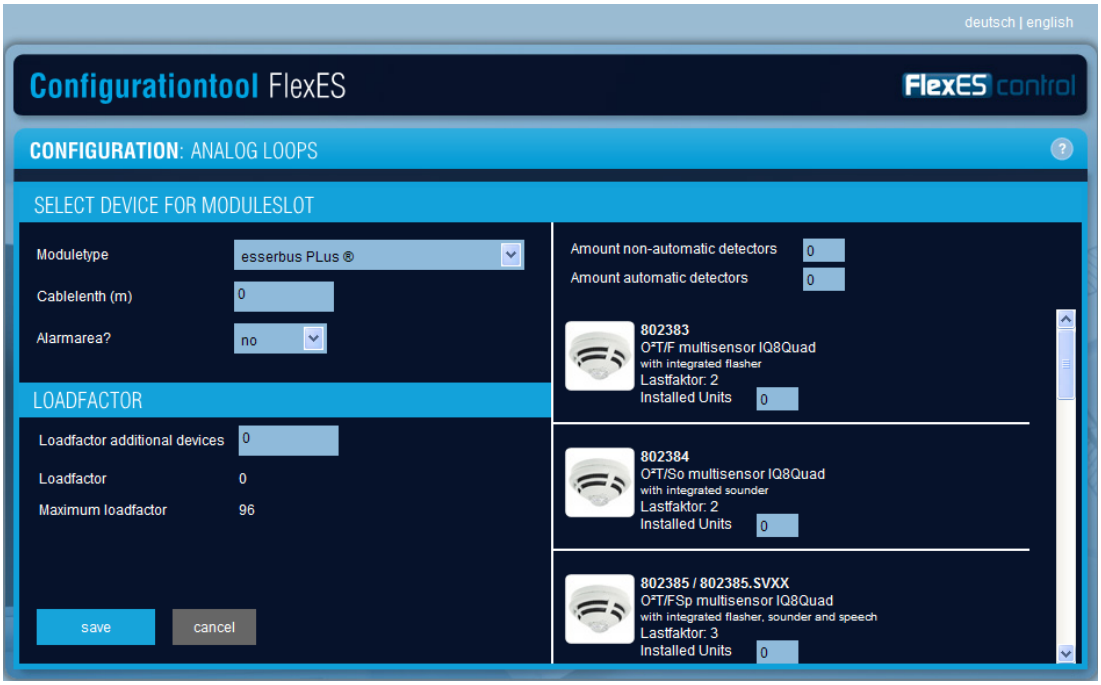
You could choose German or English language on the first page. In the first step it is necessary to name the common project data, so you could identify your calculations later.

In the second step the essential emergency-power times in standby and alarm mode are requested – the specifications for Germany are here preset. In addition the wire cross section is queried.



In the third step the individual module slots are attached to the analog loops.

After a module slot is added, you have to choose which device should use this module slot.
Redundant control modules always use two module slots!



There is additional input required for esserbus-PLus (powered loop) devices to define the total load factor, which is based on the length of the analog loops, the amount of automatic detectors and manual call points as well as the type of the mounted units.
The load factor is checked automatically in dependency to the length of the analog loops and is correctable, if necessary.
The indication, if the analog loop should be declared as alarm area, refers to the calculation of the necessary backup time.

Regarding to the German standard VDE 0833-2, here you should only mark those loops with „YES“, which should allocate to the alarm area with the highest current consumption. If all alarm units on the esserbus-PLus (powered loop) loops are activated in hazardous situations, you have to mark all these loops with “YES”.

In the fourth step it is possible to specify external devices and respectively their wattage.
The current consumption of FlexES control is shown in standby and alarm mode and is correctable, e.g. if the FACP should be used without display and operating unit.

In the fifth step the input data is combined and the necessary battery capacity, the necessary number of power supply units and the total thermal output is displayed. Also it is possible to print or save (as PDF document) the total calculation as well as the loop plan.