



ÚJV Řež, a. s.

VINSAP

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26.04.2018

EMUG 2018, Zagreb

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Name VINSAP stands for Visualization of NPP Severe Accident Progress for Training of SAM.

Tool was created to improve SAM training at Czech NPPs.

Tool's main objectives:

- Simple and quick editing of visualization screens**
- To use model parameters stored in the MELCOR plot-file**
- To allow freedom of creativity as in ATLAS**
- GUI oriented**

VINSAP has 4 .exe modules

- 1 – transform data matrix to time-variable form
- 2 – calculate user defined math operations with the data
- 3 – edit screens, link the data to graphical entities
- 4 – animate screens, run scenarios and navigate in them, browse in MELCOR variables, export pics and tabs

VINSAP is portable, does not require installation, can run from a flashdisk, runs on Win2000, XP, Vista, 7, 8, 10, Linux with Wine.

VINSAP is localized in Czech and English languages.

Conclusions

VINSAP contains 12 static and 9 dynamic entities. Among the dynamic ones there are Fuel and Control Volume entities. These can be automatically associated with variables and model parameters, positioned on screen according to their altitudes.

More automatically assigned entities as Flow Path or Heat Structures being developed.

Additional focus on improvement of GUI and time navigation in Visualizer module.

VINSAP is a commercial product. License can be obtained at jiri.duspiva@ujv.cz