

Training programme

# Nuclear Academy - Probabilistic Safety Assessment (PSA)

## PSA courses

Vysus Group's Nuclear Academy offers a comprehensive training programme in Probabilistic Safety Assessment (PSA) targeting professionals in risk management. The programme includes an introductory course, an advanced course, and a range of specialised PSA training modules.

## Course programme 2023

### PSA Part 1 – Online

**Title:** Level 1 PSA - Internal Events

**Scope:** The purpose of this course is to give participants both a broad overview and a detailed introduction to PSA and its various elements. The focus is on Level 1 PSA and internal events analysis. The course is designed for individuals with little or no experience in PSA. The lectures combine simple theory with interesting practical examples from industry (BWRs and PWRs). These are followed by hands- on practice using RiskSpectrum® PSA software. An overview of the most widely used international references (IAEA, USNRC, CSNI etc.) will be provided for each stage of the internal events analyses.

For more details on the contents, please visit [www.vysusgroup.com/services/nuclear-academy-training/level-1-psa-internal-events](http://www.vysusgroup.com/services/nuclear-academy-training/level-1-psa-internal-events)



**Time:**  
October 2023,  
week 44



**Cost:**  
3000 EUR  
(4 days)<sup>1)</sup>



**Venue:**  
Online

**Registration:** Email [nuclear.academy@vysusgroup.com](mailto:nuclear.academy@vysusgroup.com) no later than end of September. Course will be confirmed as soon as sufficient participants have signed up.

**Note:** Course participants are expected to have RiskSpectrum PSA installed on their computer. If this is not possible, please contact us for options.

1) Price is based on a minimum number of participants of 4

### PSA Part 2 – Online

**Title:** Low Power and Shutdown Level 1 PSA, Internal and External hazards, Level 2 and 3 PSA

**Scope:** The purpose of this course is to give participants an introduction to specific PSA topics such as low power and shutdown PSA, internal hazards, external hazards, Level 2 and Level 3 PSA. The course is tailored to individuals with some experience in PSA (PSA Part 1 or working experience). The lectures combine theory with practical examples, and there are exercises using RiskSpectrum® PSA.

For more details on the contents, please visit [www.vysusgroup.com/services/nuclear-academy-training/nuclear-academy-psa-part-2](http://www.vysusgroup.com/services/nuclear-academy-training/nuclear-academy-psa-part-2)



**Time:**  
December 2023,  
week 50



**Cost:**  
3500 EUR  
(5 days)<sup>1)</sup>



**Venue:**  
Online

**Registration:** Email [nuclear.academy@vysusgroup.com](mailto:nuclear.academy@vysusgroup.com) no later than end of October. Course will be confirmed as soon as sufficient participants have signed up.

**Note:** Course participants are expected to have RiskSpectrum PSA installed on their computer. If this is not possible, please contact us for options.

1) Price is based on a minimum number of participants of 4



## Other courses

We also deliver specialist training covering the following topics:

Level 2 PSA	PSA applications	Seismic PSA	Human Reliability Analysis
Internal Fire PSA	Internal Flooding PSA	Data Analysis, Analysis of Dependencies and CCF	

If you are interested in any courses that are not scheduled for 2023, please contact us on [nuclear.academy@vysusgroup.com](mailto:nuclear.academy@vysusgroup.com). In addition to our scheduled courses, we offer customised training to fit your needs - held at your premises if requested.