

**OSART Good Practices**  
**OF PSA FOR PLANT OPERATIONAL SAFETY IMPROVEMENT**  
**PSA project management**

**Olkiluoto, Finland**

Mission Date; 27 Feb-16 Mar, 2017

The plant developed comprehensive PSA models with a very experienced internal PSA team, and the regularly updated models are made accessible to the regulator in a timely manner allowing for good risk-informed communication between the licensee and the regulator.

The plant PSA model and the PSA documentation are developed by the plant and shared with the national regulatory body every time a new PSA update is completed. This practice allows for an effective and fair communication between the plant and the regulatory body on different safety-related questions based on risk-informed arguments. The regulatory body has the same tools, models and documents as the licensee, therefore both the regulatory body and the licensee are in a good position to evaluate, review and communicate, reaching common understanding of the application results and conclusions from the PSA application activities. This practice allows for a good and effective risk-informed communication between the licensee and the regulator.

**Krsko, Slovenia**

Mission Date; 15 May-1 Jun, 2017

**Raising awareness of plant staff on insights from PSA**

The plant has established good practices that assist in raising awareness of the staff on insights from the plant-specific Probabilistic Safety Assessment (PSA). This is being pursued through systematic training on PSA methodology and risk-related results/insights for nuclear safety, and wide communication of PSA results as described below:

- Training on PSA is provided within various training activities for the plant operational staff and engineers. In all training activities, the PSA team leader provides lectures and exercises on a full-scope Level-1 and Level-2 PSA methodology and PSA applications using real information from the plant-specific PSA for illustration purposes. The latest results of the plant-specific risk assessment are also presented in the training sessions.
- The plant practice is to promote wide spreading information to plant staff on PSA results/insights and relevant updates through Intranet and visual aids. The updated PSA reports, which are produced yearly within the Living PSA programme, are put on the Intranet and a notification on the issuance of an updated report is sent to all plant staff. In addition, PSA results presented in the form that facilitate understanding (e.g. pie and bar charts) are communicated widely using visual aids, such as in-plant information screens and posters.