


# Layer of Protection Analysis Workshop

**This workshop is intended to take students through the fundamental principles of performing Layer of Protection Analysis.**


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 Formation

 Sessions sur demande

 Attestation de présence

 Formation présentielle

 7 heures

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Référence de la formation: FR-SIL LOPA | Numéro de fabricant:

Version: 05.06.2023. Vous trouverez toutes les informations actuelles sur [https://academie-fr.tuv.com/s/FR-SIL LOPA](https://academie-fr.tuv.com/s/FR-SIL-LOPA)

The workshop will use a number of practical LOPA examples and team exercises to stimulate a realistic risk assessment experience.

## Les objectifs

The objectives of the workshop are to equip participants with:

- An understanding of the concept and objectives of risk assessment;
- An understanding of the concept and objectives of risk reduction;
- An understanding of the ALARP principles;
- An understanding of the differences between risk prevention and risk mitigation;
- An understanding of the principles of LOPA;
- Independent Protection Layers (IPL);
- Rules for taking credit for IPLs;
- Avoidance of risk reduction “double dipping”;
- Scenario based consequence severities;
- Target Mitigated Event Likelihood (TMEL);
- Consequence equivalence tables;
- Prevention layers;
- Mitigation Layers;
- Conditional Modifiers;
- The opportunity to participate in very practical LOPA risk assessment examples.

# Le public ciblé

Engineers involved in safety integrity level (SIL) determination for risk assessment of safety instrumented functions.

# Les prérequis

No prerequisites.

# Le contenu de la formation

See detailed targets above.

The workshop will use a number of practical LOPA examples and team exercises to stimulate a realistic risk assessment experience. The methodology will be based on the international standards IEC 61508 and IEC 61511 and 'Layer of Protection Analysis Simplified Risk Analysis; American Institution of Chemical Engineering ISBN 0-8169-0811-7.

# Informations importantes

Training available as "Virtual Classroom"

Si vous êtes en situation de handicap, nous vous remercions de bien vouloir nous contacter avant de procéder à l'inscription en envoyant un mail à [formation@fr.tuv.com](mailto:formation@fr.tuv.com). Nous mettrons tout en œuvre pour répondre à votre besoin de formation.

*If you have a disability, please contact us before registering by sending an email to [formation@fr.tuv.com](mailto:formation@fr.tuv.com). We will do our best to accommodate your training needs.*