



KEY TECHNOLOGIES

Design, Maintenance, and Management of Risks

Key words: *safety, security, procedures, organisation, diagnosis of 'compliance' with regulations or production specifications, assessment diagnosis of 'level of facility contamination control', risk-assessment studies, post-accident control, clothing, protection suits, clean machines, design maintenance*

High-risk facilities require a set of precautions that must be taken before, during and after operations, mainly in four areas

- ▶ Impact studies prior to facility set-up
- ▶ Quality assurance and follow-up during design, performance, testing, and maintenance
- ▶ Operating rules during use, with a focus on:
 - . Security (technical operating stability, prevention of accidents that may have outside impact)
 - . Safety (prevention of internal or external malicious intent)
- ▶ Tool availability

EQUIPMENTS



Technical fine-tuning can be done at the training school
www.pole-de-formation.com

HUMAN POTENTIAL

- ▶ A scientific team of 20 researchers
- ▶ A technical team of 200 engineers

METHODS

The methods, skills and expertise draw on the extensive experience acquired at the regional industrial facilities where the teams run checks on the 'tough spots' in operations and highlight the problems through studies conducted at 4 laboratories:

. **LASAR** (Laboratoire d'Analyse socio-anthropologique du risque, laboratory for social-anthropological risk analysis)

www.unicaen.fr/mrsh/lasar

. **LUSAC** (Laboratoire Universitaire des Sciences Appliquées de Cherbourg, the Cherbourg university laboratory of applied science) www.eic.unicaen.fr/lusac/index.htm

. **LTP** (Laboratoire de Thermodynamique des procédés, the laboratory of process thermodynamics) www.unicaen.fr/unicaen/index.html

. **LPC** (Laboratoire de Physique Corpusculaire, the laboratory of corpuscular physics) www.caeinfo.in2p3.fr

. **GEOSYSCOM** (GEOgraphie des SYstèmes de COMMunication, communication system geography) www.unicaen.fr/unicaen/ufr/terre/geographie/geosyscom

. Multidisciplinary, risk-assessment group

SUPPORT TO BUSINESS SET-UP PROJECTS IN BASSE NORMANDIE

The Basse Normandie Region has rolled out all its resources to support business projects in the following areas:

- ▶ General funding
- ▶ Business project support
- ▶ Training programs
- ▶ Corporate user services at operations site
- ▶ Technology transfer to companies: www.gravir.org and www.crittbn.com



Ventilation

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