

CONSULTANCY - RISK ANALYSIS

This service aims at identifying security risks in order to detect eventual total or partial malfunction of an arrangement. It also evaluates environmental and operational risks.



The analysis of risks is based on the case history of operations and maintenance undertaken. It is carried out in collaboration with those responsible at the power plant as well as civil engineering and computer engineers.

Methodology

- establishment of the perimeter, the concept and the definition of the acceptability of risk
- definition of indicators : security, people, environment, loss of water, unavailability, financial impacts
- identification of risks
- analysis and evaluation of risks according to the degree of emergency and gravity
- evaluation of action being taken or decided, propositions for new action
- calculation of the evolution of the turbulence index

Methodology is based on the ISO 31000 (risk management) norm.

Specific skills

The HYDRO Exploitation experts possess :

- the necessary knowledge to apply this service to the hydroelectric sector
- multidisciplinary competence enabling a global appreciation of the particular problems and the relevant measures to be taken proven experience of layouts of all sizes

PRESTATIONS COMPLÉMENTAIRES

Health check

Condition monitoring and diagnosis of installations is a process to assess their 'health' in order to estimate their residual life. HYDRO Exploitation adds value by providing an overview of the plants being operated.

CONTACT

HYDRO EXPLOITATION SA

📍 Rue de l'Industrie 10, 1951 Sion

☎ +41 (0)27 328 44 11

Client benefits

The owner of a hydroelectric plant can :

- identify security, operational and ecologic risks precisely
- have a large quantity of information available enabling him to deepen knowledge of his plant
- optimise his investments