

PRESENTATION

Eg4Risk is a spin-off accredited by the University of Milan Bicocca founded by a team of professors and technical staff of the Department of Earth and Environmental Sciences together with other professionals and small enterprises. A well-known company in the field of marketing and assistance of software in the engineering field (CSPFEA) is participating to the spin off. Each of the components of the spin off contributes specifically according to the background and expertise gained in years of study, work and research and development activities:

- Study of geological-geotechnical-stability issues by means of field activities and advanced data collection and three-dimensional modeling by the university team
- Advanced geotechnical, hydraulic and hydrogeological modeling by integration of the different approaches
- Development of proprietary data analysis and mathematical modeling tools
- Design and optimization of adequate design solutions by consultants following national and international standards

For the rockfall simulation the proprietary **Hy-STONE** code is adopted and it represents an excellence in rockfall modeling. The HY-STONE calculation code is aimed at quantitative / deterministic / statistical risk analysis in the area of falling rocks.

PRODUCTS & SERVICES

The services consisting of the design and the realization of works in which the use of advanced data collection techniques, analysis and modelling are required. The areas involved can be of:

- 3D rockfall Hy-STONE;
- 3D geotechnical modeling;
- 3D hydrogeological modeling;
- 3D landslides modeling;
- Reliefs and monitoring;
- Quantitative Risk Analysis;
- Hydrological and hydraulic study.

Team

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