



Physical Static and Dynamic Models, Geomechanical Models

- Definition of the foundation characteristics and structural design features worth to be investigated by physical models.
- Preparation of technical specifications, planning and assistance during tests, analysis & interpretation of results.

Automated Design

- Development of three-dimensional interactive models simulating both the civil structures and the equipment of projects.
- Checking of interferences, automatic optimization of piping and cable layouts.
- Extraction of bi-dimensional drawings.

- Automatic extraction of bill of quantities.
- Possibility of generating neutral files for use by other office automation packages.

Natural Resources Optimisation

ELC provides accurate field analysis, screening and conclusive assessment of the full potential of available resources, their exploitation and the state of the art, most convenient, technology to be adopted.

Integrated Management of River Basins

Eco-sustainability and integrated management of multipurpose projects is considered a strategic priority when revising any project together with the Client.

Rationalization and Maximization of Clean Water Resources

Global warming threat poses serious problems of scarcely available clean water resources. ELC is very aware of this issue and considers this is a key priority when analyzing multipurpose hydropower/ pumping plant individualized solutions in any aspect which encompass:

- Energy generation Agriculture & Irrigation
- Drinking water supply
- Flood control prevention

[1](#) [<< prev.](#) - [next >>](#) [3](#)