

**Design for high-steep cut soil slopes in Tehran-Chalus highway construction, Iran**

Work undertaken

- ✚ Soil investigation and hydrogeological information collection
- ✚ Back analysis of soil parameters via landslides
- ✚ Stability analysis for natural and cut slopes subjected to static and earthquake loadings
- ✚ Design of engineering treatment for slope stabilization
- ✚ Detail finite difference analysis and limit equilibrium analysis
- ✚ Drainage system design and rain infiltration prevention
- ✚ Monitoring system design and management

