

Securing the village of Korbous

Geotechnical optimisation of the project

2012 - 2014



TUNISIA - Korbous

Client

TERRASOL TUNISIE

Owner

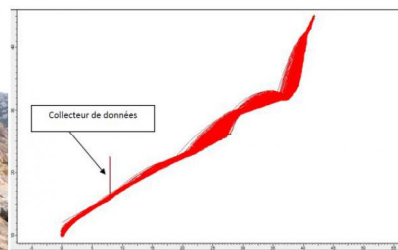
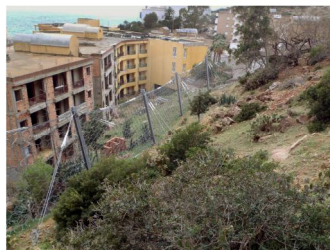
Nabeul province (Tunisia)

Lead Designer

BEATL / Terrasol

Highlights

- Securing 250 m cliffs overlooking the village
- Passive solution: 300 m dynamic screens
- Active solution: 60 large blocks stabilised by various methods



The Project

The village of Korbous on the shores of the bay of Tunis, wedged between the Mediterranean sea and the cliffs of Cap Bon, is famous for its hot springs and its landscapes. Blocks of rock have been known to fall from the sandstone cliffs that overlook the village, but the development of tourism convinced the provincial authority of the need to secure the site.

Key features

- Project review
- Risk analysis
- Review of the detailed design
- Follow-up of the protections implementation works.

Our Services

TERRASOL signed-off on studies (trajectometric studies, design of anchors, etc.) in order to optimise the project, and contributed to the follow-up of the works execution (anchors pull-out tests, conformity of works execution to the supplier's specifications):

- passive solutions (class 9 dynamic screens) in sectors where there is room to put them into effect, suspended grid;
- active solutions (anchors, buttresses, plated meshes, wrapping, etc.) for cliff sectors directly overlooking buildings or streets, and for blocks exceeding the capacities of the dynamic screens.

The layout of the site (proximity of the cliff, variability of the issues at stake and of block volumes), the influence of broad splitting of fall trajectories and the occupancy of the site (rock shelters) have resulted in the selection of a wide diversity of technical solutions.