

### DYNAMIC ROCKFALL BARRIER TO PROTECT VISITORS THE ACROPOLIS, ATHENS, GREECE

#### ROCKFALL PROTECTION

**Product:** 250kJ Rockfall Barrier

##### Problem

The detachment of large stones from the ancient southern wall of the Acropolis is a phenomenon that can occur during winter time and mainly after periods of heavy or prolonged rainfall.

Falling stones and bricks, detaching from the Ancient Wall, could reach high velocities due to the steep slopes and there was a risk of injury to visitors walking the path around the Acropolis Wall.

Another serious issue was that detached stones had caused damage to other monuments like the ancient Acropolis Theater located beneath the Wall

##### Solution

To address the problem of stones falling from the ancient Acropolis Wall, the technical department of Acropolis authorities, designed and commissioned a 250KJ Maccaferri Rockfall Barrier to be installed. The barrier section had length of 10m, height 2m and was installed 5-6m from the toe of the Wall.

Maccaferri Hellas prepared a fully detailed technical proposal providing solutions of how this problem could be solved.

The solution provided was designed combining the best possible result concerning the security of visitors and respecting the ancient monument.

The specification, type, length, height and location of installation were provided by the technical department of Ministry of Culture in cooperation with Maccaferri Hellas.

The installation and site supervision were under the responsibility of Maccaferri Hellas.

This project was successfully completed in 2 days (once the drilling was completed) taking all necessary safety measures and with the minimal disturbance to visitors to the Acropolis monument.

Client:

MINISTRY OF CULTURE

Main contractor:

MACCAFERRI HELLAS

Designer:

TECHNICAL DEPARTMENT OF ACROPOLIS  
AUTHORITIES

Products used:

MACCAFERRI ROCKFALL BARRIER 250 KJ

Date of construction

FEBRUARY 2013



Overview - Drilling



During 250kJ Barrier Installation



Barrier Installed

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