



Urgent Slope Repair in National Chengchi University

Location: Taipei City, Taiwan

Application: Slope Protection

Problem :

On September 2008, a series of strong typhoons attacked Taiwan continuously. Due to the heavy rain day after day, the reinforced concrete wall below the athletic field, in National Chengchi University, was collapsed. In order to recover traffic and sport field immediately, to repair the damaged slope in a short time is needed.



Solution :

In light of carbon emission reduction concept, three stairs of wrap-around reinforced structures are built on the existing reinforced concrete foundation. The maximum height of reinforced structure is around 15m.

To prevent the slope damage from runoff or seepage, horizontal drainage pipes are arranged in the existing slope and connected with the drainage system of reinforced structure to discharge groundwater behind the reinforced wall.

Here low-carbon construction material – ACEGrid[®] is applied as strength provider. Until now, the reinforced structure is quite stable and brings the lush green even if typhoons keep coming.