Slope Protection

COCKERMOUTH CASTLE, GB
## Slope Protection

<table>
<thead>
<tr>
<th><strong>Project</strong></th>
<th>Cockermouth Castle</th>
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</thead>
<tbody>
<tr>
<td><strong>Zip code</strong></td>
<td>CA13 9EU</td>
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<tr>
<td><strong>Place</strong></td>
<td>Cockermouth</td>
</tr>
<tr>
<td><strong>Country/Region</strong></td>
<td>United Kingdom</td>
</tr>
<tr>
<td><strong>Year of installation</strong></td>
<td>2016</td>
</tr>
<tr>
<td><strong>Customer</strong></td>
<td>Cockermouth Castle</td>
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<tr>
<td><strong>Contractor</strong></td>
<td>CAN Geotechnical</td>
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</tbody>
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### Initial situation

Following heavy storms and flooding in 2015 significant erosion was caused to the riverbank under the castle.

### Description

In conjunction with the geotechnical contractor, who had already decided the slope needed soil nailing and TECCO® System, we looked to optimise the solution for the fine grained nature of the soil. We suggested the use of the TECCO® G45/2 in conjunction with an erosion control mat.

### Protected object

Touristic infrastructure, Other

### Systems

TECCO® G45/2

### Corrosion protection

GEOBRUGG SUPERCOATING®

### Geology

Quaternary fluvial sands.

### Stabilized area

840 m²

### Maximum slope height

20 m

### Erosion control mat

Yes

### Exposition

-
Cockermouth Castle slope after restoration works using TECCO® G45/2 mesh, system spike plates type P25 and nailing.

Overview of the slope failure directly endangering the Cockermouth Castle.

Part way through the installation of the TECCO® SYSTEM³. The smallest part of the failure is visible on the right.
Close up of the completed solution - visible fine but lightweight structure of the high tensile steel mesh TECCO® G45/2

For questions please contact our Geobrugg specialist at your side

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