

# CASE STUDY

## REPSOL'S NUEVO MUNDO - FLOWLINE MAINTENANCE CUSCO, PERU

### SLOPE STABILIZATION



**Propex**<sup>®</sup>  
GEOSOLUTIONS

### PROJECT SUMMARY

The slopes at the Flowline of Repsol's Nuevo Mundo O&G Platform were eroding away, threatening the stability of the gabions at the bottom of the hill. A solution was needed that would not only prevent future erosion, but stabilize the slopes as well. INMAC Peru proposed the installation of Propex's ARMORMAX<sup>®</sup> solution, which is comprised of High Performance Turf Reinforcement Mats (HPTM) and Engineered Earth Anchors<sup>™</sup> (EEA) that work together to lock soil in place and protect against hydraulic stresses. The system provides dynamic erosion control and slope stabilization solutions, which is why it was chosen for this project. ARMORMAX was installed along the slopes to provide stabilization and permanent erosion protection. Immediate vegetation allowed the system to perform extremely well, even during aggressive and continuous rains common in the Peruvian jungle.



#### PROBLEM

Instability of the slopes and gabions caused by continuous erosion



#### SOLUTION

Propex's ARMORMAX<sup>®</sup> Engineered Earth Armoring Solutions<sup>™</sup> for immediate erosion



#### INSTALLATION

ARMORMAX 75 was installed along the slopes without any problems



#### PERFORMANCE

ARMORMAX provided stabilization and permanent erosion protection

### FEATURES & BENEFITS

- Provides permanent erosion protection for up to 75 years
- Withstands both hydraulic and non-hydraulic stresses
- Promotes infiltration of surface water
- Outlasts other slope reinforcement methods yielding significant cost savings
- Ease of installation reduces time and labor costs



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