



This project supports these UN Sustainability Goals

Stabilization Of Levees In The Greater New Orleans Area



The devastation caused by Hurricane Katrina in 2005 was huge. As part of public works to improve infrastructure vulnerable to severe storm damage, USACE carried out a series of public works in New

Company: Solmax
Client: United States Army Corps of Engineers (USACE)
Location: Louisiana, USA
Application: Stabilizing more than 100 miles of levees using high-performance turf reinforcement mat (HPTRM) and Engineered Earth Anchors
Benefits: Cost savings, improved safety, conserves natural resources

Orleans to improve erosion control on the top and side slopes of levees – embankments built to prevent river overflows. Here, ARMORMAX’s system was used to strengthen the levees, making them more resilient to the risk of overtopping, boosting durability, safety, and reinforcing vegetation, further reducing the risk of breaches.



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The system, composed of Engineered Earth Anchors designed and tested for compatibility and performance with HPTRM, was most recently put to the test when Hurricane Ida arrived in August 2021. Following the storm, Southeast Louisiana Flood Protection

Authority East confirmed no levees had been breached. ARMORMAX has been used to stabilize more than 100 miles of levees throughout the New Orleans area.

To find out more, contact geo.engineering@solmax.com.

The IGS Sustainability Committee is committed to communicating the positive environmental impact of using geosynthetics, improving worldwide understanding of the sustainability benefits of geosynthetic materials, and supporting the geosynthetics industry maximize the sustainability potential of their projects. For more information, visit our webpage at www.geosyntheticssociety.org/sustainability.

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