

Nederlandse Geotextiel Organisatie - IGS Netherlands

# Geosynthetic solutions in impressive projects

When: **8 March 2022**

Time: **15:00 to 17:00 CET**

Where: **Online MS Teams**

How: **Register free of charge at [mail@ngo.nl](mailto:mail@ngo.nl)**

## TOPICS

### 2<sup>nd</sup> Niger Bridge Project in Nigeria

- *Max Nods (GeSySo, Netherlands)*
- *Jeroen Dijkstra (Cofra, Netherlands)*

### Two non-conventional piled embankments in Brazil

- *Werner Bilfinger (Vecttor, Brazil)*

### Coastal protection with geotextile sand containers at Lubmin in Germany

- *Janne Kristin Pries (Naue, Germany)*



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## PROGRAMME

**15:00 CET - Introduction**

**15:10 CET - 2<sup>nd</sup> Niger Bridge Project in Nigeria – Max Nods (GeSySo) & Jeroen Dijkstra (Cofra)**

In a large infrastructure project in Onitsha, Nigeria, improvements will be made to an essential part of the Trans-African East-West highway. The new stretch of highway includes a large bridge and a toll plaza. The construction work is in an area with very challenging soil conditions. The presentation will focus on the geosynthetic solutions included in the technical, cost-effective and sustainable approach to the construction of the approach embankments.

## **BREAK**

**16:00 CET - Two non-conventional piled embankments in Brazil – Werner Bilfinger (Vector)**

Two geotextile-reinforced piled embankments were constructed next to an existing highway enlargement and inside a container terminal. This presentation shows how to deal with challenging situations where there are conflicting elements in the vicinity.

**16:30 CET - Coastal protection with geotextile sand containers at Lubmin in Germany - Janne Kristin Pries (Naue)**

In the area of Lubmin on the Baltic Sea, the existing coastline with sand dunes has been severely impacted by multiple storm surges. A solution is being implemented with an underground protection structure using geotextile sand containers. To reinforce 1.8 kilometres of coastline, a total of 33,000 elements are being installed that weigh approximately 1.4 tonnes each. The lecture will cover the circumstances, design and execution of the project.



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