

## Project Location:

Ploce, Croatia

## Betterground Client:

GK Grupa

## Project period:

2017

## Method Applied:

Bottom Feed Stone Columns installed up to 22 m depth, installing Dry Bottom Feed stone columns of up to 110 cm diameter in a grid of 1.80 m.



22 m capacity BC1 Bottom Feed Stone Column rig.

## Technical Requirements:

Provide reduction of static settlement and bearing capacity under LNG tanks with total capacity of 200,000 m<sup>3</sup>. Largest tanks have diameter of 44 m and height of 27.5 m. The CPT based soil profile shows an up to 10 m thick silty sand layer followed by soft silty and clayey deposits up to 20m depth. From 20 m onward, the soil is stiffer.

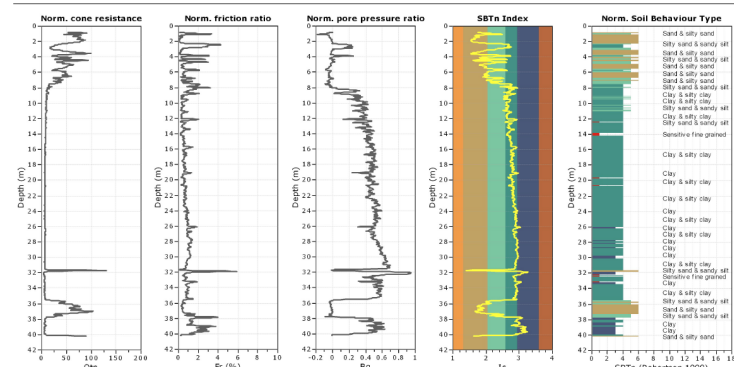


3D rendering of the Adriatic Tank Terminal. Phase 2 in orange color.

## CPT profile before ground improvement

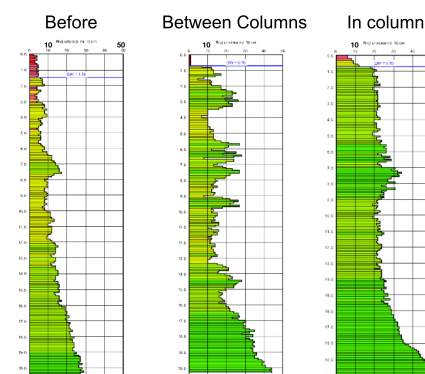
Project: HYDROCARBON AND LPG STORAGE AND DISTRIBUTION FACILITY AT PLOCE, CROATIA  
Location:

Cone Type: Geotech SBN-4010  
Cone Operator: J. Radic



## Quality Control Testing:

Hydro Load Testing to 280 kN/m<sup>2</sup> and Dynamic Probing Heavy (DPH) around and through stone columns.



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BC1 rig with B27 vibroprobe