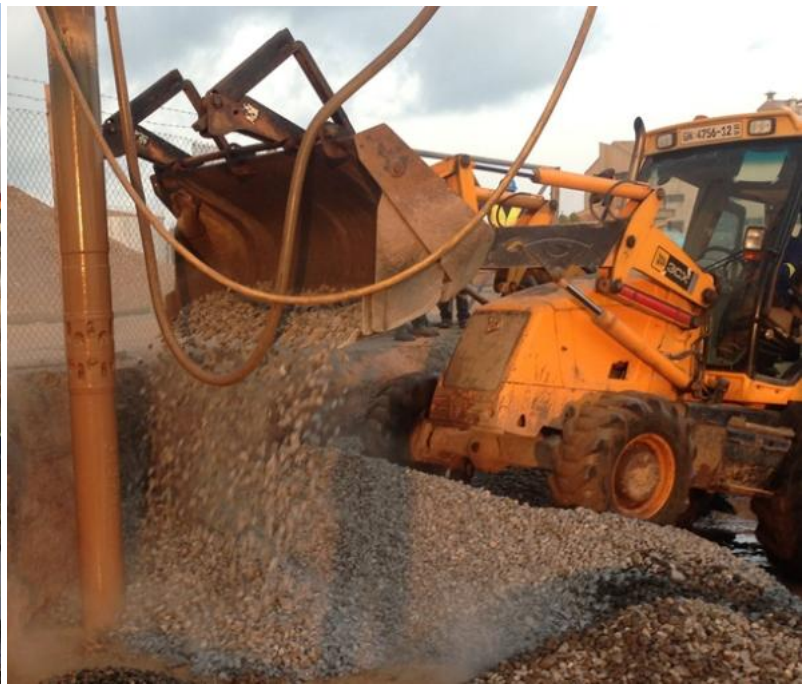




GOIL MGO STORAGE FACILITY
Takoradi Port, Ghana



Project Facts

Product
Vibro Stone Columns

Market
Industrial

Employer
Ghana Oil Company (GOIL)

Client
Murray & Roberts

Consultant
Greene Consulting Engineers



- **About the project**

Recent development of the Takoradi Harbour in the western part Ghana created an opportunity for GOIL (Ghana Oil Company) to construct three additional fuel tanks in the port.

- **Challenges**

The saturated, soft clayey soil conditions, combined with limited space, high water table and tight programme created an opportunity for Franki Africa to rise to the challenge with innovative, cost-effective solutions.

- **The solution**

In these conditions, among others, Vibro Stone Columns are proven to accelerate consolidation settlement up to 90% within 2 weeks, while increasing the cumulative bearing capacity to limit total and differential settlement.

Franki Africa designed and installed 80 No. 800mm diameter Vibro Stone Columns for each of the three massive fuel storage tanks. Subsequently, the efficiency/effectiveness of the Franki team (and solution) led the client to extend the scope by another 82 No. Stone Columns for their pump station foundation. A total of 322 No. top feed (wet method) Vibro Stone Columns were installed to depths of approximately 8m.

The project was safely and successfully completed with an exceptionally satisfied client.