



Client: Buchanan Port – Iron Ore Loading Upgrade  
 Development cost: \$ 22mil  
 Services: Mining infrastructure Design, Structural Design, Civil Design, Mechanical Design,  
 and Electrical Design  
 Appointed Date: 1 March 2022

# Buchanan Port, West Africa, Liberia

## Mining Infrastructure Design: Detail Design

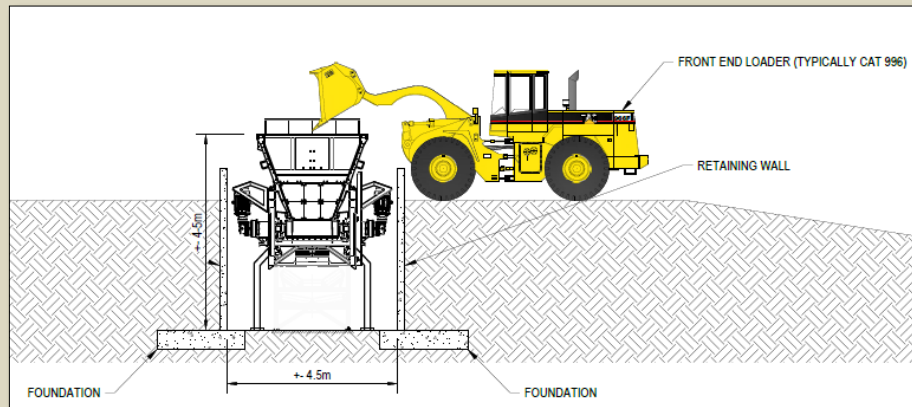
### The Task

Notre Dame Investment Liberia Limited appointed Nurizon Consulting (Pty) Ltd. for the engineering design for a new bulk material handling system being an overland belt conveyor and port upgrade with shiploads.

### Design Services

Nurizon's scope of services included the following:

- *Geotechnical Design*
- *Civil and Earthworks Design*
- *Structural Design*
- *Mechanical Design*
- *Electrical Design*





### The Result

Design and construction support transport exportable iron ore concentrates to the Port of Buchanan, and with ships.

The material from the existing 11 million tonnes stockpile will be treated in a process plant. Hydraulic mining will be used from where the material will be pumped to the process plant.

The washed ore will be stockpiled in the process plant area, from where it will be transported to the loading facility at the port. A approximately 1.2 million tonnes of washed ore be transported per annum.

