



# COMPOSITE REPAIR SPECIALIST

- **LOCATION:** Tsiengui Panga (GABON)
- **DATE OF PROJECT:** May 2014
- **INSTALLATION:** Storage Oil Tank
- **TYPE OF DEFECT:** External corrosion with leak
- **NOMINAL PRESSURE:** 1.5 bar
- **TEMPERATURE:** Ambient
- **3X SOLUTION:** Composite Solution (3X specific filler)

REPAIR PERFORMED BY OUR LOCAL DISTRIBUTOR



## OVERVIEW

The objective of the repair performed in may 2014 by 3X ENGINEERING and its local distributor FRIEDLANDER, was to stop a severe corrosion on the joint of the lower wall panel and to reinforce the tank integrity.

## SCOPE OF WORK

- Design of the repair has been done by finite elements calculation.
- Surface preparation (ST3 Standard) was carried out using Bristle Blaster tools.
- F3X8 filler has been used to seal the leak, fill the corroded area and coat the nuts prior composite stratification.
- Layers of composite (resin-impregnated glass fiber) were applied to reinforce the damaged area as per 3X procedure.
- After curing time, the tank has been filled to its optimum level with crude oil.

## RESULTS

This case has been managed by FRIEDLANDER, our local distributor in Gabon, with our technical support from Monaco. It proves once again the capabilities of our local partner and 3X solutions in such case.



*For more information, please contact us at :*  
**3X Engineering - 9 Avenue Albert II - 98000 Monaco**  
**Phone : +377 92 05 79 81- Fax : +377 92 05 72 71**  
**E-mail: [info@3xeng.com](mailto:info@3xeng.com) - [www.3xengineering.com](http://www.3xengineering.com)**

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