



FOUNDED IN 1953, PETROBRAS IS THE LARGEST COMPANY BY MARKET CAPITALIZATION IN THE SOUTHERN HEMISPHERE. Petrobras has a presence in 17 countries, while leading the Brazilian Oil and Gas industry.

## PETROBRAS USES GPS TO STREAMLINE CONTAINER MANAGEMENT

Petrobras Distribuidora is driven by the challenge of supplying the energy that can propel development and ensure the future of society with competency, ethics, cordiality, and respect for diversity.

The company's actions and business are guided by values that encourage sustainable development, integrated performance and accountability for results, cultivating readiness for change, and an enterprising, innovative spirit ready to overcome challenges.

### Challenge

Petrobras needed to provide its customers with a better way to optimize utilization of containerized cargo units (CCU's), while reducing costs and providing additional visibility into the supply chain to support operations.

### Solution

Petrobras' fleet of nearly 1,000 bulk chemical containers were equipped by Geoforce with GT1 GPS tracking devices, as well as a data feed to Petrobras' internal GPS tracking application. Geoforce also provided installation and ongoing managed services.

Geoforce was also able to work with Petrobras to provide a customized data feed via an API that allows Petrobras to display data from the Geoforce tracking devices within Petrobras' own internal applications.

## HOW GEOFORCE HELPS

- Increase CCU rental revenue
- Decrease equipment procurement requirements
- Reduce equipment cycle time

**Geoforce enables customers to manage critical equipment, avoid billing and payment disputes, and, in general, operate more efficiently.**



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“With continuous monitoring and the automatic position data provided by Geoforce, we are able to dynamically manage the movement of CCU’s.

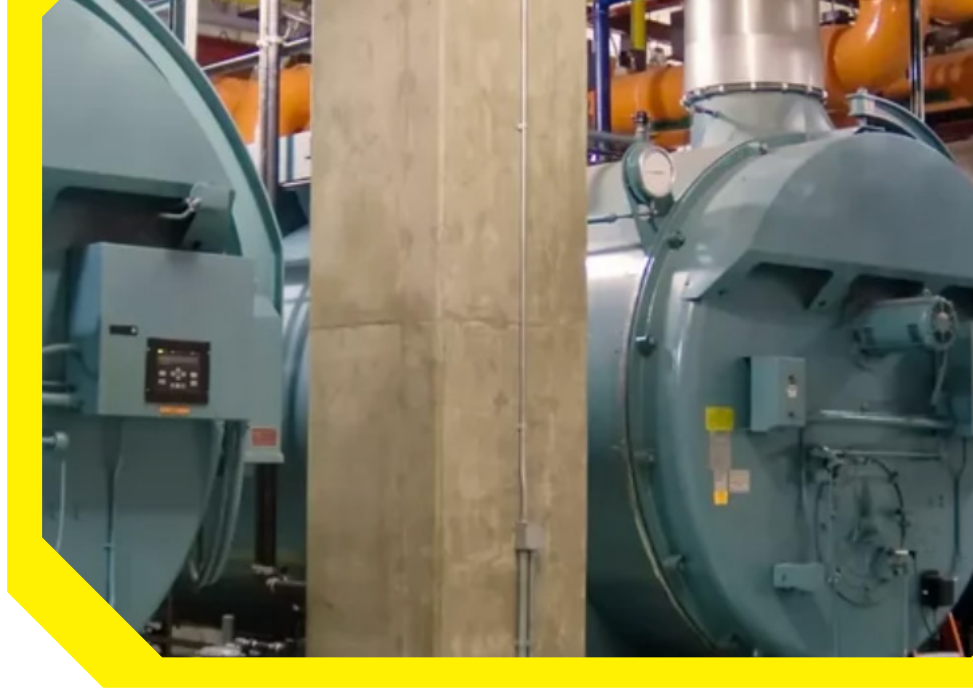
- Andre Lapa  
Contract Administrator

## About Geoforce

Geoforce was founded in 2007 with the simple belief that the chaos and pain of field operations could be alleviated with technology. Since then, our mission has been to provide our customers and partners with cutting-edge traceability solutions and insights.



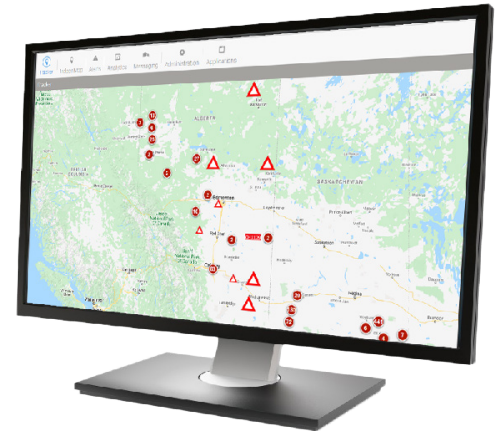
www.geoforce.com  
888.574.3878



Petrobras chose Geoforce to provide oilfield asset track and trace solutions beginning in 2014. The initial deployments focused on tracking 1,000 tanks and other chemical containers which were leased to its sister company, Petrobras Exploration and Production.

## Results

By greatly increasing efficiency after installing Geoforce, Petrobras was able to utilize fewer units. Consequently, it saw decreased costs of procurement and rentals of CCU's by its customers. This efficiency has supported growth related to the start of operations of several new offshore platforms in Brazil.



## Products Used: GT1

Geoforce was the logical choice as its GT1 Global Asset Tracker is the world's only IECEx/ATEX Zone 0 certified GPS tracking device, meaning it is safe for unlimited use in explosive environments, such as offshore rigs.

The GT1 also has Anatel and Inmetro certification, and has been approved for use by Petrobras' Center for Research & Development (Cenpes).

