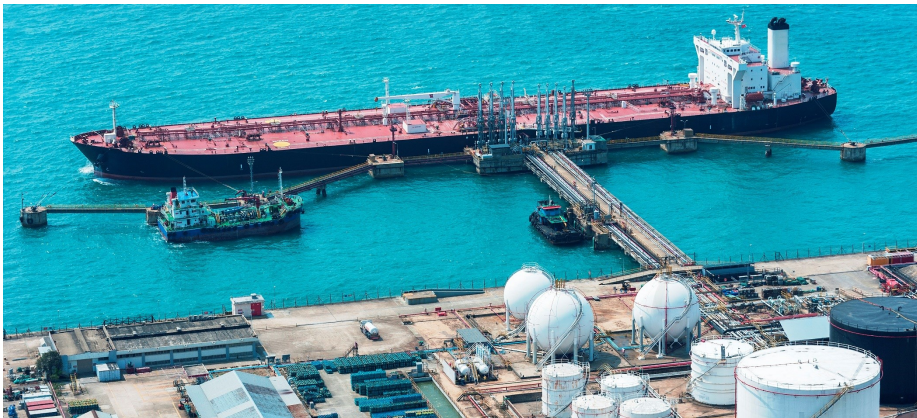


# Oil tank volume and safety monitoring meters

Roscomac provides high quality components for one of the world's biggest suppliers of hardware, software and safety monitoring systems to the oil industry. Given the highly explosive liquids stored in oil and gas terminals there are stringent specification requirements as well as quality and testing standards for all the equipment deployed.

## Oil tank storage monitoring components

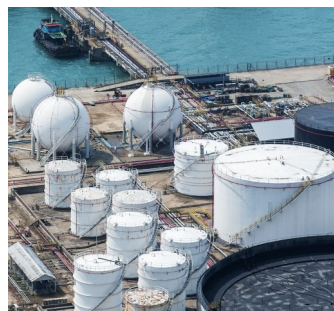


### Challenge

A global oil tank equipment supplier wanted to reduce their costs by outsourcing all component production to a reliable high quality supplier.

Roscomac was approached to ensure a seamless move from in-house to contract production for client metering components.

This included material sourcing, buying in castings from an external supplier, machining, finishing and complete quality and safety pressure testing program for the client's entire tank sensor monitoring range.



### Solution

Roscomac looked at how they could adapt their manufacturing systems and processes to integrate a five year component production plan, including all materials, casing supply, 5 axis CNC production and stockholding for call-off.

Quality was paramount, but cost was also very important. Roscomac's team worked hard to guarantee that unit costs to the client stayed low, whilst ensuring quality standards could be maintained and test systems improved.

### About Roscomac

Our mission is to make it once and make it right, by employing the best people, latest CNC machines and manufacturing processes.

We make and deliver thousands of products and a million parts a year, everything from V8 engine blocks to miniature connectors.

Harnessing efficient production and new technology innovations enables us to deliver the highest quality machined components at the lowest practicable cost.

At Roscomac everyone is an engineer, so we can exploit technology to deliver creative manufacturing solutions to meet every customer's needs.

Customer service is in our DNA, with in-house expertise to provide complete support from the start to finish of production.

Using the latest machine tools enables 24 hour manufacturing, which helps reduce costs for all of our clients around the globe.

Our clients are also able to call off manufactured product for instant stock, reducing project costs and shortening lead times.

## Oil tank measurement system components

Every major port around the world has oil holding tanks that need to keep oil stocks constantly and consistently monitored to ensure both fill accuracy and oil tank safety.

### Roscomac components used in every meter in the product range

One of the key opportunities for our client was to work with a component supplier that could design and manufacture components that could be used across the whole range. Once in situ, every meter needs to work 24 hours a day, with minimal maintenance, to monitor the oil fill of each tank through the meter valve position.

### Component quality and testing critical to every meter

Safety and quality go hand in hand with oil tank meters. A large part of the work that Roscomac undertakes is in machine component inspection, detailed dimensional checks and meter pressure testing.

Quality is the most important factor to the client. As the OEM, they are directly responsible for each installed meter. They have to prove its conformance to the ATEX directives that describe in detail the requirements for all equipment used in an explosive atmosphere.

The client has seen consistent benefit from working with Roscomac, and comprehensive testing ensures all components meet ATEX directives, with a complete suite of documentation for the client.



To discuss how your production project could benefit from Roscomac manufacturing solutions give us a call.



*"If we don't deliver the quality then it's end of story for our clients. Also key to us are low price and flexibility on stock holding and manufacture for our meters, and Roscomac delivers."*

Component Procurement Manager

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