

# APPLICATION IN THE OIL & GAS INDUSTRY INERT GAS PRODUCTION ON SHIPS



# Trimod Besta

Level measurement A brand of Bachofen AG  
[www.trimodbesta.com](http://www.trimodbesta.com)



## Application

---

On tankers inert gas is being pumped into the cargo tanks during off-loading of flammable liquids. The inert gas controls the environment and prevents the formation of a combustible substance. It is produced on board the tankers by burning kerosene or exhaust gases inside an inert gas generator. Within the inert gas generator, Trimod'Besta level switches are installed as high and low alarm switches in seawater tanks where soot particles and water soluble substances are washed out of the gas.

## Conditions

---

- Ambient temperature and pressure (max. 0.15 bar)
- Saltwater spray

On FPSOs (floating production storage and offloading vessels) the inert gas generator is typically made of special steel 904L or SMO 254. In the application you see below, the Trimod'Besta level switch is installed into a customized stainless steel float chamber.



Customized stainless steel float chamber with Trimod'Besta level switch for low level alarm.

## Installed level switch types

---

Trimod'Besta level switches type  
A 01 041 and DB 01 04

Test actuator type 2385 (option)

Allows a periodic manual function check of the level switch in operating status.

