

**A. P. I.**  
m a r i n e



new standards for tank measuring technology

## api marine

API Marine is a house of competence, where development, design and production processes are united in unique products and systems for tank installations and monitoring within marine and industry. Our International Headquarters and factory facilities are situated in Aalborg, Denmark, with branch facilities in St. Petersburg, Russia.

## in full control

API Marine develops and produces a range of products for surveillance of liquid cargo and monitoring during voyage, loading and unloading. API Marine supplies the complete range of sensors needed for full cargo control as well as the calculation and administration software combining the integrated solutions of Smart Tank Cargo Control.

# range of products

## Sensors

The API Marine Sensors are designed for precise measurement of level, temperature and pressure in harsh environments and heavy conditions for all types of liquids.

### Range of sensors

- |       |                                     |
|-------|-------------------------------------|
| · UTS | ultrasonic tank switch              |
| · UPT | universal pressure transmitter      |
| · UTT | universal temperature transmitter   |
| · TGD | multifunctional tank gauging device |
| · TLA | tank level alarm                    |

## Systems

The API Marine systems provide full control of dangerous liquids in any shape of tank for safe storage and handling.

### Range of systems

- |                     |                                                       |
|---------------------|-------------------------------------------------------|
| · TSS/Cargo         | cargo control system                                  |
| · TSS/Alarm         | high & overfill alarm system                          |
| · TSS/Draft & Level | draft, ballast, service and fuel tanks                |
| · TSS/Watch Alarm   | watch alarm system                                    |
| · TSS/Control       | full integrated automation system                     |
| · TSS/Water Ingress | water ingress alarm system                            |
| · TSS/Docking       | floating dock controlling system                      |
| · TSS/HT Control    | offshore drilling platform heel & trim control system |
| · MasterLOAD™       | calculation of stress, stability and floatability     |

## state-of-the-art technology

Build on patented acoustic guided low frequency wave technology, precise measurements are ensured for continuous operation in any shape of tank, type of liquid and temperature. API Marine has set new standards for cargo control systems with the outstanding level of accuracy and reliability, enhancing onboard safety and efficiency.

The technology of API Marine has been developed and patented by a group of physicists in acoustics 10 years ago. During the last 10 years, the technology has proven to be the most accurate method on the market and patents have been issued in Europe, USA and Japan.



## mission

API Marine is established with the aim of bringing proven measurement technologies of the 21 century into use on tank installations within marine and industry and has successfully brought sensors and systems with exceptional accuracy and reliability to the market.

We want to contribute to our customer's profitability supplying high quality products, excellent service and state-of-the-art high-tech solutions, where reliability and durability are key-words!

## quality products for a safer world

Exploiting the capacity of a tanker to the full as well as ensuring transportation, fast loading and unloading of liquid cargo without compromising the safety and prevent spill, is the complex task made possible by API Marine. Our constant focus on developing and delivering high-quality products and systems ensures not only compliance with international standards and regulations, but also brings premium benefits to our customers.

Our strive for implementing environmental friendly solutions is a reality onboard the world's first LPG carrier being build in accordance with the IMO Green Passport as it has been equipped with API Marine technology.

### API Marine certifications

Our systems are approved by all major classification societies according to IMO and the US Coast Guard standards, fulfilling all international requirements for tank installations carrying hazardous goods.





## references

The accuracy and reliability of our products have been noted in the market and preference has already been established by a number of ship owners. Especially by ship owners operating Chemical and LNG/LPG carriers under harsh environmental conditions. The increasing interest for our solutions has led to orders from all major shipbuilding owners worldwide.

Please contact API Marine for a full reference list.

