

SAFETY SYSTEMS FOR SPECIAL VESSELS



OMICRON safety systems cover a major part of all applications you will find onboard various types of special vessels within the field of special trade or offshore applications. Omicron safety systems follow the special requirements and regulations set by authorities for these types of vessels.

OMICRON can offer tailor made system solutions like overfill protection, gas detection among other systems. Our systems are based on long experience and focus on maintenance friendly, high quality solutions which gain the shipowner and the yard when installing these systems. Some solutions are described below:

- **Fixed/scanning gas detection systems**
Special developed for detection of HC/Toxic gas in all ventilation ducts, surroundings etc. The systems are according to Norwegian Petroleum Directorate, IMO and various class requirements for these types of vessels.
- **Flame and Smoke system**
Special developed for detection of flame and smoke in STL/Access trunk onboard FPSOs. Consist of fire detection system in conjunction with gas detection systems.
- **Twin System**
Special developed for detection of HC gas in turret loading area onboard shuttle tankers.



OMICRON

• *The systems fulfil the latest IMO and classification societies' rules and regulations.*

Omicrons product range for special vessels

Independent High Level and Overfill alarm system OAS 5

(ref. product flier)

Standard type approved level alarm sensors (95 % and 98 %) or tailor made special alarm sensors for additional alarm levels other than required by class. The system is approved and meets the requirements from various classification societies.



OAS 5.0

Gas detection alarm system OGS 3.1(scanning) / OGS 21(fixed)

(ref. product fliers)

Tailor made systems according to customers requirements for detection in void spaces and surroundings where the cargo tanks (membrane or independent) are located. Special arrangements for gas detection in the engine room where the “boil off” is used for main propulsion, production areas and critical spots in various areas can be delivered.

Our detection systems meet the highest demands concerning scanning cycle time (max 30-min for gas detection onboard gas tankers), quality for IR and Combustible fixed sensors and requirements from various classification societies. For our fixed system we have also implemented bus solutions which make the installation more simple.



OGS 3.1



OGS 21

All system are available with bus solution (RS-485 MODBUS RTU) for connection to host computer.

In addition, Omicron's standard products (Pressure Alarm system and Temperature Alarm System) can also be delivered in conjunction with the above arrangements according to the customers' requirements.

Kindly contact our engineers for the best solution for you.



OMICRON

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