

-Press release-

## Revolutionary wireless fire detection system

Fire on ships which are under construction or on ships which are in the Harbor laying there with an inflammable load can cause severe damage. Not only materiel damage but also personal injuries can happen.

A well known and respected Dutch Yacht building company has developed with two partner companies a wireless fire warning system which is applicable in metal hulls.



### Why a new system?

Fire and smoke detection systems are not new, but when a ship is built you want as little cabling running through the ship as possible. That is why a wireless system is the best solution. Furthermore one wants to reuse the fire detection system after completion of the ship for a new project. The installation and removal of this wireless system is easy and quickly done. In a metal hull however the existing normal wireless systems have a problem to buildup and to maintain connection to the controller. The metal hull is like a Faraday cage and stops or disturbs the radio signals. The new system uses a wireless protocol that is able to buildup a network between each of the sensors/transceivers and the controller in a very clever way.

When a direct connection from a detecting sensor and the controller is not possible, than the system surges for other sensors/transceivers and builds up a network with other sensors until connection with the controller is made. Might it occur that after installation one or more sensors are not connected with the controller, than this can easily be fixed by placing an extra sensor/transceiver in between the missing sensor and one of the others. The system can also be used for offshore platforms and ships with inflammable load which are docked in a harbor. From a building at the quay the ship can be monitored. The distance between the last transceiver and the controller can be somewhere between 200 and 800 meter. When no connection is made due to the distance this can be fixed by placing an extra transceiver in between the ship and the controller.

### Where to buy?

The system is launched by **its** Industrial Technical Supplies ([www.sti-its.nl](http://www.sti-its.nl)) based in Heiloo in the Netherlands under the brand name **Spectafire+** ([www.spectafire.com](http://www.spectafire.com)). The “+” in the name stands for the fact that the system can do more than detect smoke only. Depending on the type also humidity and temperatures can be monitored. One can also choose for the option of Alarm buttons on the measuring poles. One for Fire alarm and one for request on medical assistance. Emergency lighting, which switches on after a power failure, is also an option which can be chosen.

