

ONS 2008 INNOVATION AWARD

Fabio Andreolli – Superofficina.net



Superintegrity





Superintegrity

Superintegrity is an active layer protection method, based on flow metering mathematic calculation, against jet fire, which represents a significant element of the risk associated with major accidents in the market of Energy and Oil & Gas.

The method has been designed so as to be implemented in existing plants and new projects alike and to be represent a valuable factor in loss prevention, adding value in user Health and Environmental plant protection compliance programme.

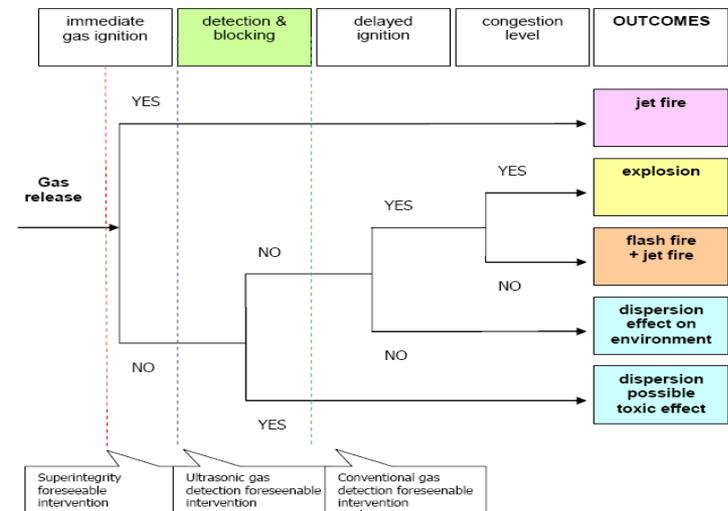
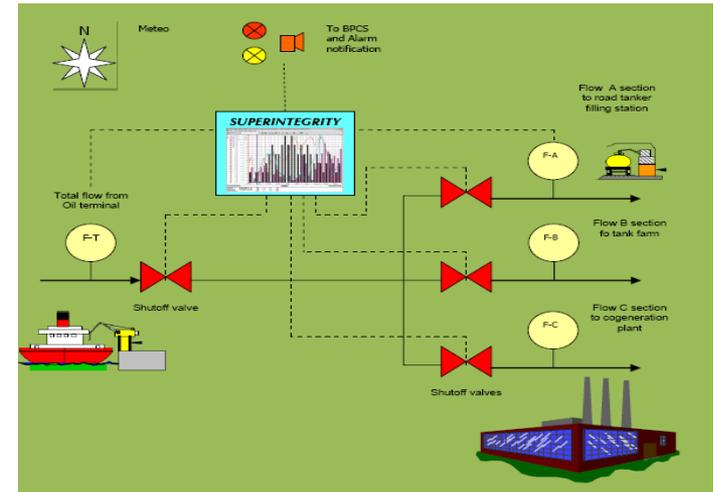
This method has already been thoroughly investigated and tested in order to speed up its industrialization and sale.



The basic version of **Superintegrity** estimates in real time the values deemed useful to prevent jet fire on the line which has to be secured. The implementation of this method, which is customised based on the needs of every specific plant, takes place by following a specific quality check witness by loss prevention third party.

The extended version is fully engineered by using dedicated field sensors, logic solvers and final elements including cabling and connections.

Superintegrity is meant as a further ACTIVE protection layer with a faster response time than methods like leakage detection based on gas or acoustic sensors (see picture).



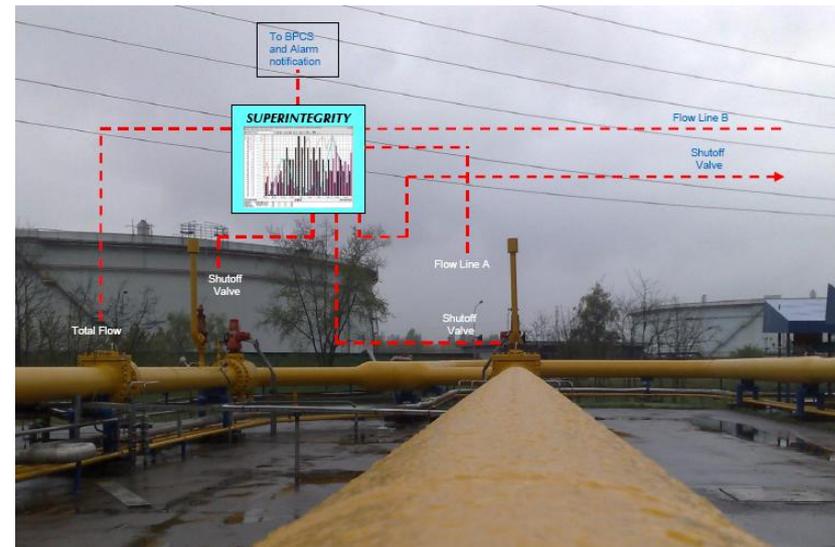
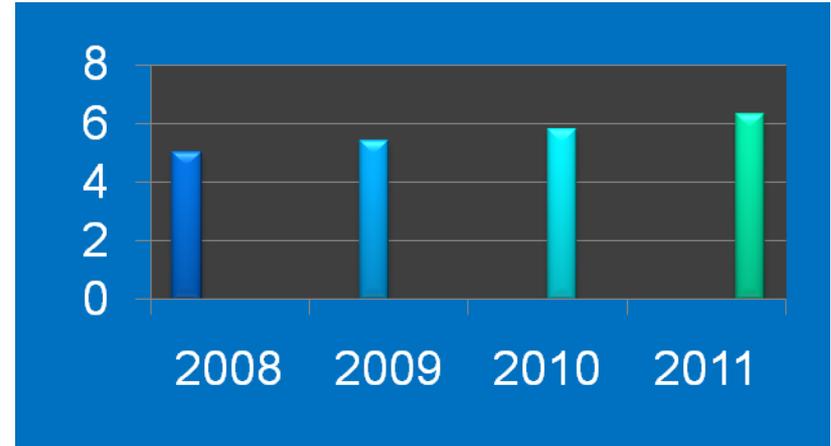


The global market of risk reduction is worth 50 billion Euro approximately, with an estimated annual growth of 8%

The sustainability of *Superintegrity* is extended even further by the possibility of developing a suite of applications for Public Utilities for sewage systems or water networks.

By adopting *Superintegrity* the end user will appreciate immediately the value added to health and environmental plant protection compliance programmes.

This method can be industrialised immediately.





OUR VISIONS FOR THE FUTURE for THIS INNOVATION

The growing demand of auxiliary products and services for the market of loss prevention, risk control and analysis, and the fast implementation of *Superintegrity* even on existing plants will guarantee its rapid and widespread diffusion.

PICTURES/DREAMS/WISHFUL THINKING

We like to think that one day *Superintegrity* will be a method commonly used in plants all over the world and that when users, engineers and designers will use it they will remember the **SUPEROFFICINA** vision:
"working for solving"

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