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PRESS NOTE

Selex ES awarded an industrial prize for its AULOS radar system

Selex ES, a Finmeccanica company, thanks to its passive radar AULOS, has been recently awarded the Oscar Masi prize 2012 established by AIRI, the Italian Association for Industrial Research, now in its twenty-ninth edition.

Selex ES, which was awarded the prize ex-aequo with the company Chemtex, was prized for the environmental sustainability demonstrated by the AULOS system, considered a technological excellence in the development of sustainable technologies at industrial level.

The prize is annually awarded to the Airi association member who is particularly distinguished for its recent product innovation, process or system, already made or marketed in Italy, whose development has been carried out in Italy, and which demonstrates particular characteristics of creativity, innovation and advanced technology. This year, in particular, companies which make technological innovative products for a sustainable and responsible industry growth have been awarded.

AULOS is a PCL (Passive Coherent Locator), a system characterised by the absence of an internal transmitter and using instead, those transmitters found in deployed locations such as FM (Frequency Modulation) radio stations, TV digital broadcasters of DVB-T (Digital Video Broadcasting- Terrestrial) type. This feature allows the surveillance of airspace, while the radar system is not “seen” because it doesn’t produce any signal.

By simply exploiting natural electromagnetic energy, the system provides “environmentally-friendly” surveillance and doesn’t generate additional electromagnetic pollution. This feature, allows AULOS to operate in and around inhabited areas and, more specifically, urban environments. The design of this kind of systems has made it possible to develop a family of sensors which includes a fixed and mobile version, this latter particularly useful in the case of big events.

AULOS can be used for airspace surveillance and territory protection, due to its capability to take advantage of the systems located at airports, harbors and critical infrastructures.

AULOS will be showcased in the static area of Finmeccanica during Le Bourget Exhibition, next week.