

Aerospace Technologies and Applications for Dual Use

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Scenario (1)

- In the new scenario of asymmetric wars the differences between civil and military operational requirements are steadily decreasing
- Prevention, intelligence, sensor networks, data integration, protection and self protection, reduced time of reaction are key elements of a common approach, civil and military, to react to terrorism
- Defense and Civil Defense are increasingly merged, in western countries, as well in out of area operations

Scenario (2)

- Network Centric Operations concepts are applicable to daily utilized networks (integrated transports, IT, finance, electricity, telecommunications....)
- Vulnerability vs unpredictable situations, vs hostile crisis management is their weak point
- Solutions can be found and optimized by an integrated utilization of civil, military and dual technologies

Scenario (3)

- In this frame, applications to implement such requirements, to launch new services, as broadly discussed during this symposium, are growing in number and dimension
- The launch of challenging Space European Programs based on dual technologies are fostering such trend
- The challenge is to enlarge, re-engineer existing initiatives/programs/networks within this new paradigm

Challenges

- The European Demand
 - ◆ Dual Technologies could be initially expensive: long term commitments and related innovation process within a coherent Industrial Policy can decrease such costs
 - ◆ Utilization of such technologies has to become part of the requirements to build up new infrastructures/services
 - ◆ Innovative Tools to finance the new initiatives have to be conceived
 - ◆ UE, as well, National Countries have to act exploiting common synergies
- The European Offer
 - ◆ Decrease time and costs of developments
 - ◆ Risk Management to decrease the costs of potential failures
 - ◆ Entrepreneurial attitude

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- The Company is in the Defense & Security market since 56 years and is devoted to remain successfully in this market;
 - ◆ Full capability in all EW domains (Radar, IR, Comm), System Integration and development of key/critical Technologies are the long term technical commitments
 - ◆ Flexibility in order to provide solutions for self protection and integrated protection on different platforms, as well, full commitment to provide Full Life Cycle Management the capabilities being optimized

but to maintain the growth performed in the last decade and launch a new cycle of success....

- The Company has also to take into account the new opportunities and challenges previously mentioned; some of the key variables will be:
 - ◆ Quicker and deeper technological evolution
 - ◆ Integration of different sensors, civil and military, capability to process information provided by different networks in a shorter time frame and with an increased level of certainty
 - ◆ World wide presence through technological cooperation and partnerships