

# Major Events and Stadia

CYBER SECURITY DIVISION

Safety through technology



# LEONARDO FOR MAJOR EVENTS

Leonardo is a global high-tech player operating in the Aerospace, Defence and Security sectors. With 47,000 employees (over 10,000 in UK), Leonardo has a significant industrial presence in over 150 countries.

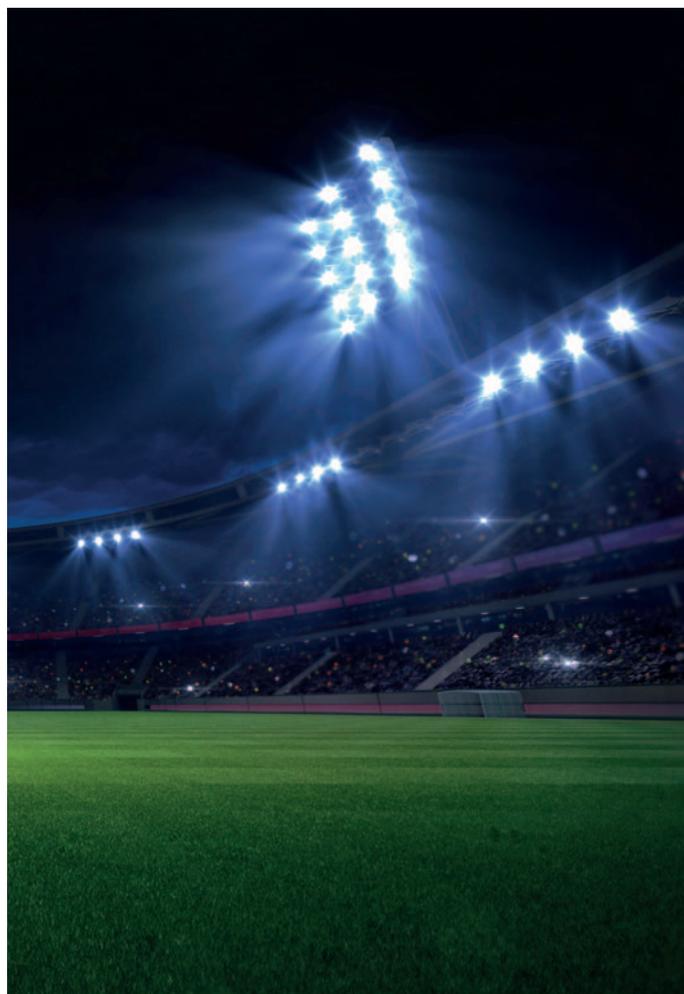
We are a leader in safety through-technology, with heritage providing tailored solutions for Government, Law Enforcement, Critical Infrastructures, Safe Cities, Transportation and Logistics.

Leveraging the synergies that exist throughout information technology, secure communications networks, command & control systems, physical and logical security, Leonardo has provided security solutions for several major events.

Projects include:

- › **World exhibition EXPO 2015 in Milan (Italy)**
- › **XXII Olympic Winter Games, Sochi 2014 (Russia)**
- › **XX Commonwealth Games, Glasgow 2014 (UK)**
- › **Olympic Games, London 2012 (UK)**
- › **G8 Summit, L'aquila 2009 (Italy)**
- › **XX Olympic Winter Games, Turin 2006 (Italy)**

Leonardo has recently signed a partnership with Italian "Lega B" Football Association to provide technology expertise and services for new stadia construction and refurbishment.



## KEY FEATURES

### PROVIDING SITUATIONAL AWARENESS

- › to Major Events and Stadia Management for more complete and rapid decision process. This is obtained through integration of informations originated by technical systems inside and outside the venue (last mile)

### SINGLE CENTRE OF OPERATION

- › for an efficient management of ordinary and extraordinary situation, for a medium-long term well-informed planning as well.

### EXTENDING INTEGRATION

- › between Events Organisers, Clubs, Public Authorities, Law Enforcement and Emergency Services to prevent and mitigate critical situations.

### SAME TECHNICAL PLATFORM

- › for Fan Engagement and Commercial/Marketing opportunities.



## AN INTEGRATED SOLUTIONS

Leonardo operates as prime contractor and system integrator with long lasting and wide-ranging expertise delivering turn-key technology solutions through an innovative service-oriented approach. This results in tailored technological solutions encompassing both proprietary and third-party products.

The Integration Platform forms the foundation of our technological solution for Stadia and Major Events.

It is an adaptable framework that combines information integrating systems, adds intelligence with specialised modules and provides improved situational awareness to the managers of different complex infrastructures.

## INTEGRATING HETEROGENEOUS SYSTEMS

To provide effective situational awareness it is often necessary to collect real-time information from as many disparate sources as possible.

The Leonardo solution integrates heterogeneous (proprietary or third parties) systems and sensors from different domains, based on different technologies. The solution integrates sensors and systems related to physical security, professional communications, cyber security and intelligence and presents advanced services collecting information originating from technical systems inside and outside the venue.



## COMMUNICATIONS

### SYSTEMS DESIGNED TO CONNECT, COORDINATE AND INTEROPERATE

Leonardo's solutions for Major Events natively integrate the communication service platform, which is able to connect and interoperate many services provided by separate communication networks. It also assures interoperability with other control rooms and Critical Infrastructures (Police, Fire Brigades, Civil Protection, First Aid etc.).

We develop turnkey multi-technology network solutions that integrate a range of wired and wireless communication technologies including TETRA, DMR and next generation wireless broadband radios. We guarantee transparent user connectivity in all circumstances for safe and efficient operations.

As a systems integrator, the company offers complete communications packages to EPC and end-users.





## CYBER SECURITY AND INTELLIGENCE

Potential targets, threats and unexpected behaviour can be detected in real-time and 'flagged' for attention. Prevention is also possible thanks to an intelligence activity developed through different and heterogeneous digital sources.

All available digital information can be considered a source of intelligence. Modern intelligence gathering is therefore about identifying, investigating, preventing and managing potential threats through the highly dynamic flow of information that exists within the global information community.

The Leonardo platform for Intelligence is a flexible answer to such a challenge, suitable for any kind of agency, operational framework or legislation.

The key capability of the platform is to be able to index and integrate data through semantic and statistical analysis, but also to manage a collaborative investigation workflow tailored according to the needs of any group of investigators.

For more information please email:  
[securityandinformation@leonardocompany.com](mailto:securityandinformation@leonardocompany.com)

Leonardo S.p.a.  
 Via Puccini, 2 - 16154 Genoa - Italy  
 Tel. +39 010 65821  
 Fax +39 010 6582898

[leonardocompany.com](http://leonardocompany.com)

## TURN-KEY SOLUTIONS

Leonardo has expertise across a wide range of domains including:

- > Safety and security
- > Professional communications
- > Cyber security
- > Automation systems
- > Plant design
- > System integration

A distinguishing feature is our ability to provide complete solutions encompassing various domains in projects starting from the green field.

Thanks to this multi-disciplinary approach which leverages on a specific industrial ecosystem, we are able to provide a complete MEP package for stadium and major events contexts.



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