ste

EXCELLENCE THROUGH EXPERIENCE

STE IS AN **ITALIAN** MEDIUM SIZED PRIVATE **SYSTEMS INTEGRATION COMPANY** LEADER IN **I**NFORMATION AND **COMMUNICATION TECHNOLOGY** APPLIED TO THE MOST INNOVATIVE AND DEMANDING SECTORS OF THE MARKET.

Established on 1987, the company has been providing, over almost 30 year of operations, technological excellence, highest commitment, outstanding product support and proven reliability as the best values to its customers.

STE significantly invests in Research & Development to continuously increase its competitiveness through innovation and skill of its people.

BUSINESS VERTICALS

TRAINING & SIMULATION	HOMELAND & CYBER SECURITY	SMART APPLICATIONS	ENVIRONMENT & TERRITORY	AIRPORT SOLUTIONS

A NUMBER OF TRANSVERSE DISCIPLINES, COHERENT AND CONSISTENT WITH THE BUSINESS VERTICALS, ENLARGE AND REINFORCE THE COMPANY OFFERING.

ICT INFRASTRUCTURES based on a robust and reliable ICT networks design, supply of all relevant devices, switching panels, installation and connection with optical fiber or cables and overall testing.

LOGISTICS AND DISTRIBUTION SERVICES are available world wide providing facility management, study and organisation of packaging, transportation and delivery, staging and logistic support consultancy.

A LARGE NETWORK OF SUPPORT CENTERS, over the entire Italian territory, grants installation, system configuration and a permanent after sale assistance to Airports, telecom providers, energy distributors and other customers.
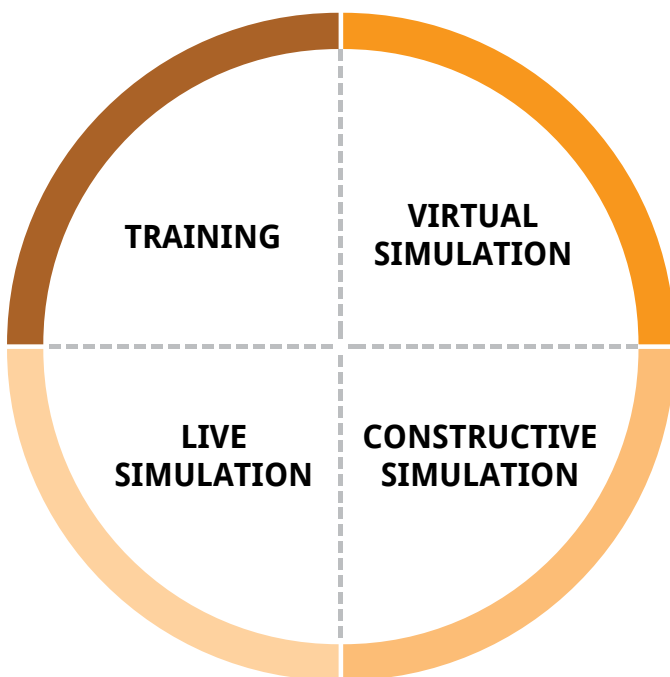
CIVIL WORKS is another expertise where STE act as Prime Contractor with capability of engineering design, construction and restoration of existing building, including electrical and hydraulic plants with embedded energy saving systems.

TRAINING & SIMULATION

STE HAS DEVELOPED A WIDE RANGE OF **TRAINING & SIMULATION SOLUTIONS** CREATING REALISTIC ENVIRONMENT FOR **MILITARY**, **SECURITY** AND **CIVIL ORGANISATIONS** TO IMPROVE THEIR READINESS AND SKILLS WHEN FACING **OPPOSING FORCES**, **ENVIRONMENTAL DISASTERS** AND OTHER **COMPLEX SITUATIONS**.

TRAINING

VIRTUAL SIMULATION

LIVE SIMULATION

CONSTRUCTIVE SIMULATION

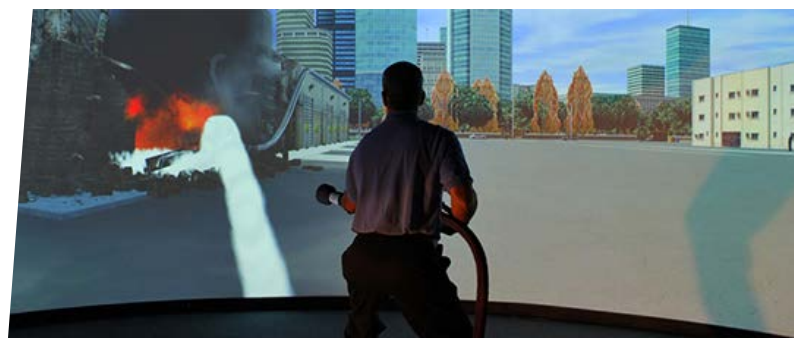### IMMERSIVE COMMAND OPERATION CENTRES

developed with web based technologies for need of coordinated multilayered applications are supporting well defined training objectives for pre deployment of Command personnel of Military, Security or civil organisations.

SIMULATORS FOR TRAINING ON SPECIAL VEHICLES

machineries and plants as well as specific environments, trees recognition and scenarios for support to investigation.

FIREFIGHTING AND OTHER DISASTER MANAGEMENT

STE provides multilevel training system with the built-in capability to be interoperable with models (vegetation, fuel type, weather/ climate, etc) to predict how fire spreads, also supporting decision making and real operations.

Computer Simulation-Enhanced training is conducted with a level of realism not possible in any other format, enforcing correct procedures, with outcomes that would be expected in actual operations.

The systems can be used at home stations, ground training centres, deployed locations, control rooms, industrial plant within Live, Virtual and Constructive (LVC) domains.

STE provides T&S architectural design, integration with information systems and specific tools, 3D Modelling and Scenarios Generation, multilevel/multiservice training architectures, solutions to support Technical and Operational missions and Immersive environment.

HOMELAND & CYBER SECURITY

HOMELAND SECURITY IS AIMING AT **PREVENTING CRIMINAL** AND **TERRORIST ATTACKS**, REDUCING **VULNERABILITY OF POPULATION** AND KEY ASSETS AND **MINIMISING DAMAGES** AND **RECOVERY TIME**.

STE PROVIDES SOLUTIONS FOR **DETECTION** AND **PROTECTION** FROM A WIDE RANGE OF **INTENTIONAL THREATS** BOTH DURING **PREVENTION** AND **CRISIS MANAGEMENT PHASES** FOR ALL APPLICATION DOMAINS.

COASTAL AND GREEN BORDER SURVEILLANCE

to prevent illegal access to the National Territory of organised people with criminal or terrorist intents.

TRANSPORTATION & INFRASTRUCTURE PROTECTION

to protect Ports, Airports, Railway and Metro Stations, Motorways, Railways as well as to reduce vulnerability of assets such as Public Buildings, Power Plants, Dams, Pipelines and gas ducts, Electrical and TLC networks and Hospitals.

STE proposes integrated multilayered Command, Control & Operation centres integrated, through robust telecommunication infrastructures, with a wide range of technologies including:

- Physical protection devices, Check Points
- Radar, E/O and other sensors
- Biometric and visual recognition devices
- Satellite and drone images
- Other emerging technologies

LAW ENFORCEMENT

Concerns the security of daily life and involves the analysis of any sign that could lead to a threat or criminal activity. STE provides solutions to support security forces during investigations as well as interpretation of visual information.
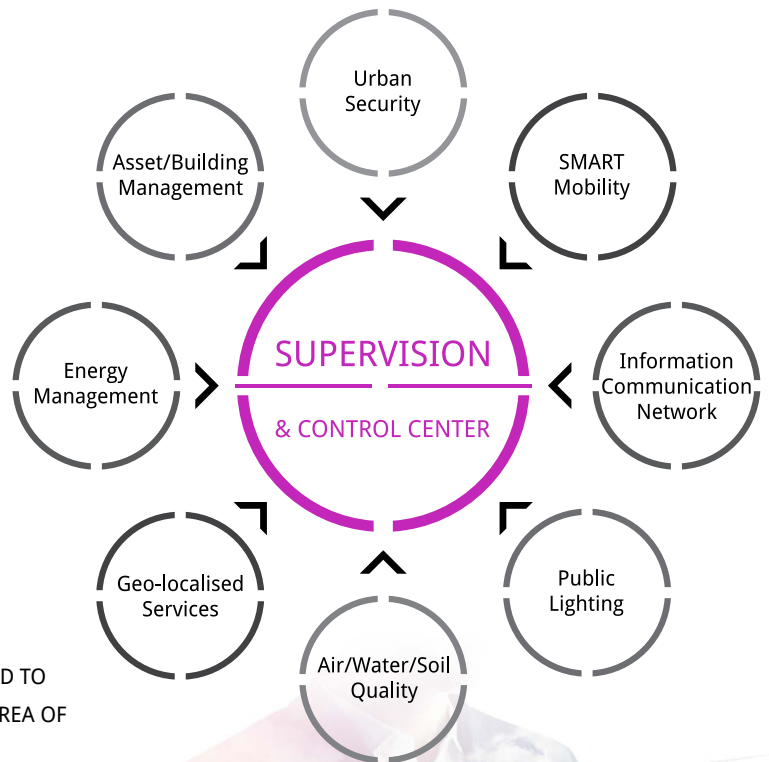
CYBER SECURITY

Every day Information Systems are intruded and compromised by cyber attacks. STE provides scalable and layered cyber security solutions to government agencies, industries, telecom provider and financial institutes to prevent and mitigate attacks of unprecedent complexity operating at different levels: incoming dataflow check (DNS, IPv6 and Advanced Malware), network infrastructure vulnerability and applications security.

SMART APPLICATIONS

STE HAS BEEN PAYING A GREAT EFFORT IN **DESIGNING SMART APPLICATIONS** TO RESPOND THE CHALLENGES ASSOCIATED WITH **SUSTAINABLE DEVELOPMENT** AND TO IMPROVE THE **QUALITY OF LIFE** IN THE **URBAN ENVIRONMENT.**

All applications are designed by STE to fulfill the needs associated to different elements. They can work autonomously, for specific tasks, or integrated within an Supervision & Control Centre providing an integrated picture where all data from the individual applications are enriched by additional information resulting from their analysis and correlation. The complexity and the number of applications for any solution are tailored according to the required functionalities that in the broadest sense meet a comprehensive SMART City concept.

- Urban Security
- SMART Mobility
- Asset/Building Management
- **SUPERVISION & CONTROL CENTER**
- Energy Management
- Information Communication Network
- Geo-localised Services
- Public Lighting
- Air/Water/Soil Quality

ENERGY **MANAGEMENT** SOLUTIONS (ISO 50001 COMPLIANT APPLIED TO BUILDINGS, INDUSTRIAL PLANTS AND INFRASTRUCTURES IS A KEY AREA OF EXPERTISE WHERE STE PROVIDES

» Engineering services to assess the current energy balance of the building/assets and to estimate of costs and achievable savings

» Design, development and implementation of effective energy management systems

STE PROVIDES **ILIGHTS** BOTH FOR INTERNAL AND URBAN APPLICATIONS ALLOWING

» Installations/Retrofit for most of the lamps formats with high efficiency dimmerable LED technology

» Built in sensors with extra socket for additional ones and output for digital control

» Inputs for external temperature, light and presence sensors for more accurate reading
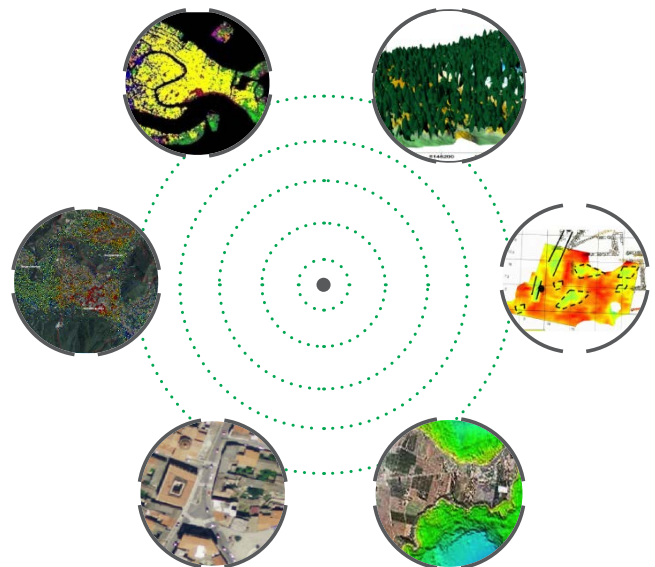
ENVIRONMENT & TERRITORY

» STE IS COMMITTED TO **TERRITORY SUSTAINABILITY**, FOR THE **PRESERVATION** OF **PRIMARY RESOURCES**, AND TO **PROTECTION** OF **ENVIRONMENT** BY PROVIDING INTEGRATED SOLUTIONS TO **MONITOR** TERRITORIAL AND HYDRO GEOLOGICAL CHANGES AND TO **DETECT** DIFFERENT KINDS OF **POLLUTION**.

The company provides Geo-Portals and Geographic Information Systems (GIS) based on robust ITC infrastructures hosting information coming from a mix of sensors (cameras, LIDAR, spectrometers, magnetometer and others), installed on satellites, airplanes, helicopters or drones.

In this field STE has been largely contributing to the Italian National Geo-portal, the focal point for territorial and environmental data towards INSPIRE (Infrastructure for Spatial Information in the European Community).

The portal manages information coming from different sources and publishes Metadata and Service Catalogs.

Identification of potentially polluted sites, through observations (from aircraft, helo or drone) and geo-physical investigations, is another area of expertise of STE. Data are collected, analysed and integrated with cartography to provide coordinates, of the supposed polluted locations, to investigation systems, of the concerned authority, for relevant actions.

STE provides large integrated systems for monitoring and controlling protected marine areas from illegal activities. The systems includes a Supervisory Control Room, Area Centres and Local Unmanned Stations.

STE IS ONE OF THE MAJOR INTERNATIONAL SYSTEMS INTEGRATOR OF **AIRPORT INFORMATION** AND **COMMUNICATIONS TECHNOLOGY SOLUTIONS** WITH CAPABILITIES ENCOMPASSING THE WHOLE LIFE CYCLE OF AN AIRPORT PROJECT.

The solutions provided by STE are based on an outstanding range of applications developed in-house integrated with additional modules from international market leaders.

TURN-KEY ICT AIRPORT SOLUTIONS COVERING ALL PHASES OF THE PROJECTS

- Requirements analysis and System Design
- Software application modules
- "Ad Hoc" applications development and integration according to IATA standards
- Networks infrastructures
- Systems Integration and Test
- Deployment, activation, hand-over and support

STE WORLDWIDE PRESENCE WITH OWN SYSTEMS AND TURNKEY DEPLOYMENTS FOR CUSTOMERS.

A COMPREHENSIVE APPLICATIONS PORTFOLIO INCLUDING:

LOCAL DCS, WEIGHT & BALANCE, DATAPAX, PAX CHECK, FIDS, MESSAGE DISTRIBUTION, AODB AND BAGGAGE DROP-OFF .

STE has established an Airport Global Integrated Service (AGIS) performing maintenance activities at Customer site, at STE maintenance centres or remotely. Help Desk, based on Best Practice ITIL is part of the centralised support service.

ITALY	ISRAEL	CABO VERDE
UK	UAE	EGYPT
NETHERLANDS	TURKEY	GHANA
GERMANY	JAPAN	NIGERIA
SWEDEN	BAHRAIN	SOUTH AFRICA
NORWAY	SAUDI ARABIA	USA
GREECE	OMAN	CUBA
SPAIN	CHINA	AUSTRALIA
KAZAKHSTAN	NEPAL	NEW ZELAND

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