ROLTA

Safety & Security

Homeland and Maritime Solutions for Safety and Security

Safe City

Border Security

Police & Emergency Mgmt.

Critical Infrastructure Protection

Maritime Safety & Security

"Innovative fusion of world class technologies for creating safer world"

Comprehensive Solutions for Safety and Security

Rolta's safety and security solutions provide state of the art technology for high reliability command and control centers, tasked with safeguarding people, property and assets. These solutions act as a force multiplier by enabling leading edge decision support system within a spatially enabled environment.

Leveraging decades of geospatial experience and domain knowledge, Rolta's systems scale from security requirements of individual critical infrastructure sites, such as power plants, airports, or industrial facilities, to cities and national level security systems.
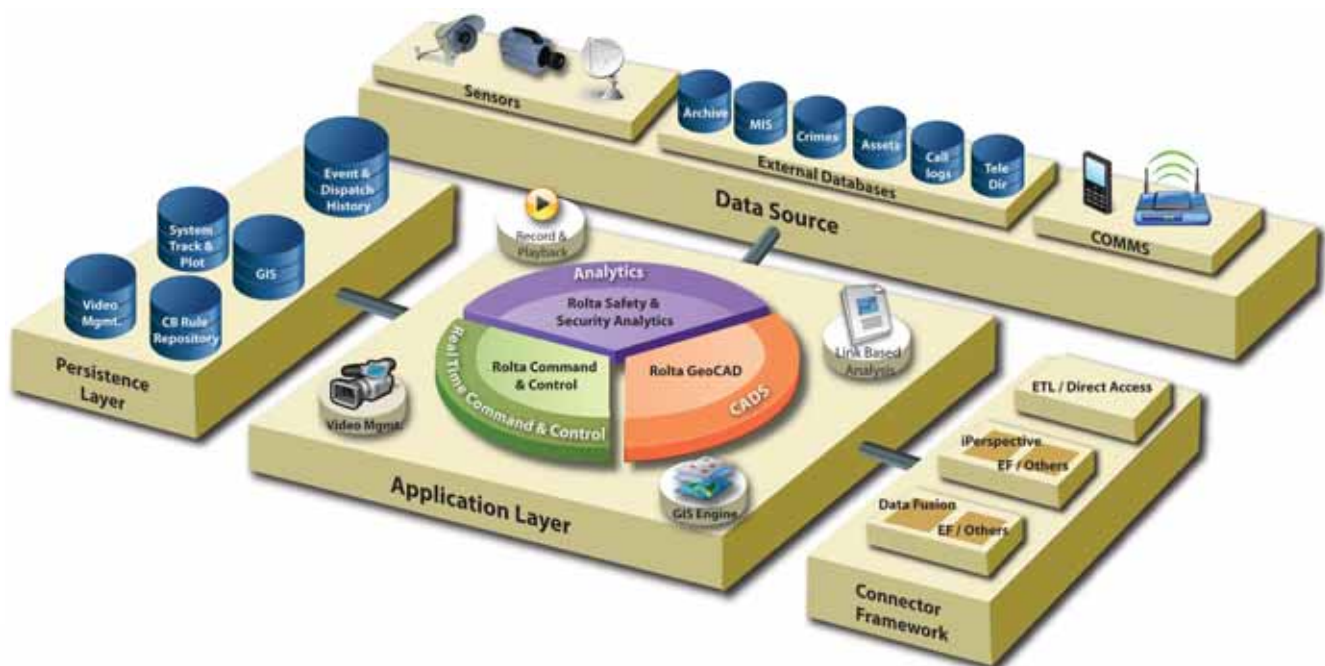
Rolta's innovative mission critical applications are ready to deploy for continuous operation in support of decision makers responsible for life safety, emergency management, and security.

Capabilities of advanced Information and Communication Technology (ICT), Geographical Information System, multiple sensor integration and data fusion enables Rolta Solutions to provide continuous situational awareness.

The integrated common operating picture provides enhanced actionable situational awareness allowing the greater insight for managing the safety and security environment.

The sophisticated Rolta solutions provide the following to the Command Center personnel and emergency management teams:

- An intuitive common operation picture.
- Rule based collaborative situational analysis.
- Real time focused and relevant information access.
- Context specific information display.
- User and agency specific data access.
- Event generation and tracking.
- Incident analysis and mapping capabilities.
- Standard Operating Procedure based intelligent tasking.
- Analysis & response based on threat condition.

True Collaborative situation awareness for safety and Security

Solution Portfolio

Maximizing the Impact in Decision Making Process

Maritime Safety & Security

Maritime Safety & Security leverages the integrated capabilities of the Rolta Command and Control suite to provide advanced solutions for coastal security, coastal surveillance, vessel tracking, port security, on-shore and off-shore asset protection and other similar missions. The system supports integration with multiple sensors and components including radar, sonar, Automatic Identification System (AIS), video management systems, external databases and many other types of sensors and systems.

> The system provides robust, thorough and intuitive situational awareness through the entire chain of command, for seamless collaboration with all the stakeholders.

Border Security

The Rolta Border Security solution supports monitoring large tracts of border areas by integrating a wide range of sensors such as fence vibration and penetration sensors, Unattended Ground Sensors (UGS), radar, video, and long-range thermal cameras into the decision support and situational awareness system.

> The Rolta border security solution improves and enhances patrolling efficiency and reduces illegal trafficking.

Critical Infrastructure Protection

Rolta's solutions for Critical Infrastructure Protection supports collection, fusion and analysis of data from variety of security sensors, presentation of the common operating picture in a geospatial context, and Emergency Response including Disaster Management and Asset Protection.

> Enables protection of critical assets on land & off shore, vital buildings and sensitive facilities, airports, transit hubs and other vital infrastructures.

Police and Emergency Management

Rolta's offering for police modernization address a wide range of requirements including Computer Aided Dispatch Systems, Integrated Safety & Security, Crime Analysis with Geospatial tools, Intelligence Data Fusion, and support for collection and analysis of local and national databases such as the Criminal Tracking Network System (CCTNS).

> The solutions focuses on establishing robust and reliable systems for law enforcement, crime analysis, emergency response and situational awareness.

Comprehensive Solutions for Safety and Security

ROLTA — Safety & Security

A unique tightly coupled solution for safe cities and coastal security

Rolta IP based field proven solution for blue water and green land security

Biometric scanner

Alarm

Video Camera

Airport

Coastal Radar (Automated Identification System)

Maritime WiMAX

Transponder

Oil Platform

Tanker

Patrol Boat

Drilling Rig

Offshore Station

Coast Guard

Transponder

Fishing Boat

Transponder

Cargo Ship

Fishing Boat

Fishing Boat

Transponder

Sensor Integration Control & Fusion

Real time Command & Control

Protocol Conversion

Complex Event Processing

L1 : Objects Assmt

L2 : Situation Assmt

System to System Control

Notification & Alerts

Status Monitoring & Control

Geospatial

Video

Visualisation

Decision support

C2 Browser

Situational Awareness

Recording & Playback

Incidents

Temporal

Orders

Assets

Homeland & Maritime security solution A Rolta IP

Central Control Room

Hydro Meteo (Weather)

Repeater

Light House

Police Law & Order Computer Aided Dispatch (CAD)

Maritime Surveillance Camera

Radar Display

External Data Link

Nuclear Power Plant

External Database

MIS

Manifest Records

Customer Database

Internal Systems

System Track & Plot

Video Mgmt

GIS

History Analysis

Temporal

Statistical Tools

Geospatial

Solution Portfolio

"Rolta Safety and Security Solutions" are built around "Rolta Command and Control" and "Rolta GeoCAD", which are Rolta's core offerings in this domain. These products are part of large repository of Rolta's own intellectual property (IIPR) which comprises of numerous software products and industry specific solution frameworks.
The solution frameworks provide advanced sensor integration, data fusion and visualisation capabilities.
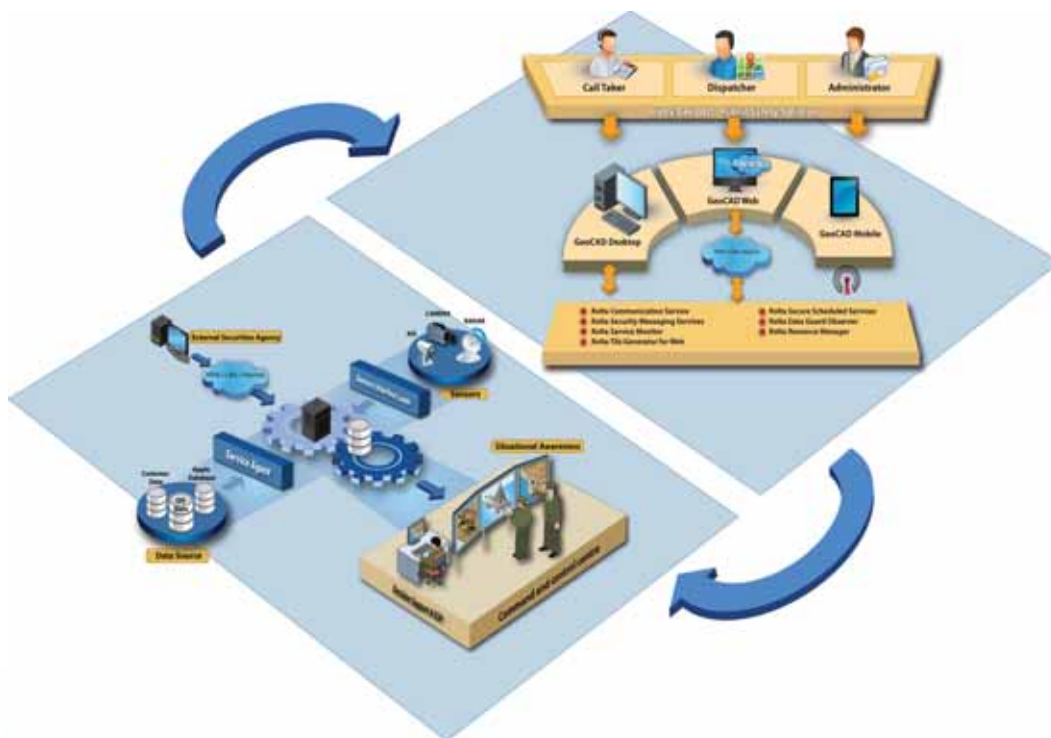
Rolta Command and Control

Rolta Command and Control is a rule-based situational management web software for mission critical systems like Maritime Security, Critical Infrastructure, Border Security and Safe City. The software is user friendly, highly configurable, advanced system with a feature rich, but intuitive user interface to provide insight on situation anomalies along with recommended actions for quick decision making and response.

The spatially enabled solution provides insight that accelerates the decision making by enabling rapid response, enhancing efficiency and productivity, and improving service delivery.

Rolta GeoCAD

Rolta GeoCAD is an advanced Computer Aided Dispatch (CAD) solution that enables integrated Multi-agency Emergency Response for Police, Fire, and Ambulance agencies. This innovative solution provides seamless integration with GIS maps allowing emergency response agencies to record, locate, and respond to distress calls within a spatially enabled environment.

The solution leverages the strengths and capabilities of desktop, web, and mobile technologies, to seamlessly integrate the command center with the vehicle tracking and response forces, thereby providing more effective and efficient emergency management.

A hallmark of Public Safety Solution – to empower coordinated and effective emergency response

About Rolta

Rolta is a leading provider of innovative IT solutions for many vertical segments, including Utilities, Governments, Transportation, Process, Power, Banking and Insurance. These enterprise level solutions are built around Rolta's intellectual property and domain expertise to offer unique business intelligence for impactful insights for effective decision making. Rolta's solutions framework includes Geospatial Fusion™, a suite to integrate disparate spatial and business data; Rolta OneView™, a BI solution for operational excellence; and Rolta iPerspective™, a unique platform for SOA and "Cloud" enablement. Rolta's intellectual property repository contains cutting-edge software for mapping and earth sciences, providing the foundation for Defense and Homeland Security solutions including C4ISTAR information systems, Military Communications, Digital Soldier, and Vehicle Systems. Rolta is a multinational organization headquartered in India, which has executed projects in over 40 countries. Rolta has a countrywide infrastructure and international subsidiaries across the globe. Forbes Global ranked Rolta amongst the "Best 200 under a Billion" four times in six years. The Company is listed on the Bombay Stock Exchange and National Stock Exchange in cash and F&O segment, and forms part of various indices on BSE/NSE. The Company's GDRs are listed on the Main Board of London Stock Exchange and its FCCBs are listed on the Singapore Stock Exchange.

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