

INVITATION

India Geospatial Forum 2012

Technology Seminar

Rolta's Innovative Geospatial Solutions for Insightful Impact



Thursday February 9, 2012

Lynx 2, Epicentre, Gurgaon



Delhi NCR : Rolta Technology Park, Plot # 187, Phase I, Udyog Vihar, Gurgaon - 122 016.

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Rolta's Innovative Geospatial Solutions for Insightful Impact

Rolta's Technology Track will reveal the latest innovations in Enterprise Geospatial Solutions and how these are used in mission critical applications, effectively addressing challenges, in government, infrastructure, utilities, telecommunications, environment, oil, gas, power, petrochemicals, transportation, defense and homeland security segments.

Learn how Rolta's comprehensive range of field proven Geospatial Technologies can improve your return on investments, reduce dependency on obsolete systems, enable advanced integrations and deliver meaningful impact to your businesses'.

Agenda

- Dr. Ashok Kaushal** : **Rolta's Innovative Solutions to Solve Real World Problems**
12.00 am – 12.30 pm The presentation covers state of the art integrated and high performance COTS tools and easy to use innovatively designed geospatial solutions from Rolta for processing Earth Observation data and its conversion to cartographic quality maps for dissemination over Web.
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- Mr. Milin D'silva** : **GIS Based eGovernance**
12.30 pm – 01.00 pm The session is about Rolta Geospatial Fusion solution for e-Governance specifically designed for distributed data sharing, analysis and smooth coordination across various departments of municipal organizations as well as a user-friendly graphical interface for the citizens, allowing them to keep track of their requests online. Thus ensuring transparent, timely and hassle free delivery of citizen services at affordable cost.
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- Commodore (Retd) Anil K. Sharma** : **An Integrated Situational Awareness Framework for Homeland Security Solutions**
01.00 pm – 01.30 pm The session covers Rolta's highly configurable, situational awareness Command and Control software platform with built-in modern geospatial technologies, which provides true actionable situational awareness for enhanced assessment of the security environment. The gamut of these solutions addresses various aspects of Homeland security viz. the Critical Infrastructure Protection, Safe City, Border Security, Coastal Security, Maritime Security and others
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- 01.30 pm – 02.30 pm : **Lunch**
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Rolta's Innovative Solutions to Solve Real World Problems



Dr. Ashok Kaushal, Sr. Div. Director,
Enterprise Geospatial & Defense
Solutions

Earth Observation (EO) data from high resolution sensors has become the backbone of map updation and large scale mapping. Survey of India has initiated a daunting task of mapping whole of India at 1:10K in next three years. EO data from Cartosat and associated satellites is playing the crucial role. Dissemination of cartographic quality topographic maps over Web has been perceived as preferred media to serve the end-users across vast territory of the country.

The presentation covers state of the art integrated and high-performance COTS tools and easy to use innovatively designed geospatial solutions from Rolta for processing EO data and its conversion to cartographic quality maps for dissemination over Web.

GIS Based eGovernance



Mr. Milin D'silva,
Group Manager – EGDS

Municipalities and other administrative organizations worldwide are compelled by geographical coverage, complex utilities networks and related operational and maintenance challenges. Hence it is required to have a Geographical information system in their working environment to effectively manage their business processes and eGovernance.

Rolta Geospatial Fusion solution for e-governance brings an enterprise approach with specialized suite of solutions, specifically designed for distributed data sharing, analysis and smooth coordination across various departments of municipal organizations as well as a user friendly graphical interface for the citizens, allowing them to keep track of their requests online. It provides integration with operational data across Tax Assessment, Project Management, Property Registration, Transportation, Solid Waste, Water & Sanitation Management. It helps to identify root causes for revenue loss and track the services by account and geography. This enterprise approach of GIS based solutions for e-governance act as a crucial ingredient in bringing the benefits of information and communication

technology to ensure transparent, timely and hassle free delivery of citizen services at affordable cost.

An Integrated Situational Awareness Framework for Homeland Security Solutions



Commodore (Retd) Anil K. Sharma
Assoc. Director - EGDS

In the aftermath of 9/11, the governments world over have become sensitive to upgrading homeland security measures, as no nation is immune to acts of terror. Nations across the world are struggling to find a long lasting solution to tackle this menace. The lack of timely assessment of available intelligence, intelligence sharing and synergy amongst various security agencies are the key ingredients due to which terrorists succeed in executing their nefarious plans. The need for deployment of electronic surveillance, which supports collaborative and coordinated approach for timely detection and containment of threats, limiting their impact and synergizing the efforts of multiple law enforcement agencies, is gaining ground.

Rolta has initiated pioneering efforts in IT Sector to develop Homeland Security Solutions by leveraging its rich pool of IPRs. With its deep domain expertise in Defense and Geo-spatial technologies and keeping in view of the above requirement, Rolta has developed a highly configurable, situational awareness Command and Control software platform with built-in modern geospatial technologies. This web-based technology lets watch standers, analysts, and others dissect information and make actionable recommendations rather than merely collect and display data. The system can be configured by the users to develop automated rules based situation management with geospatial and temporal visualization having intelligent work flow based response tools. The solution also provides information sharing and dissemination across organization lines. With anomaly detection, configurable rules, tailored alerts, role based workflow, and situation collaboration, the solution provides true actionable situational awareness for enhanced assessment of the security environment. The gamut of these solutions addresses various aspects of Homeland security viz. the Critical Infrastructure Protection, Safe City, Border Security, Coastal Security, Maritime Security...

Rolta's Innovative Geospatial Solutions for Insightful Impact

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.

Rolta's portfolio for Enterprise Geospatial and Defense Solutions includes the following:

- **Rolta Geospatial Fusion™**
Enterprise wide Fusion of Information, Applications and Processes
- **Rolta OnPoint™**
Enterprise wide GIS, Geospatial and Data Integrator using Web Technologies
- **Rolta OneView Mobile™**
Synchronizes Office and Field Workforce for Enhancing Productivity
- **Rolta Geomatica™**
Integrated System for Remote Sensing and Image Processing
- **Rolta Geolmaging Accelerator™**
An Automated Image Processing System Enhancing Speed and Efficiency
- **Rolta Photogrammetry™**
Comprehensive Suite of 3D Digital Map Production Solution with Multi-Sensor Support
- **Rolta GeoCAD™**
Public Safety Solution for Incident Management and Emergency Response
- **Rolta CommandBridge™**
Situational Awareness & Response Solutions for Maritime Security & Critical Infrastructure Protection
- **Defense Command & Control**
Comprehensive Battlefield Management System
- **Defense Intelligence Surveillance & Reconnaissance**
Intelligence analysis for Mission planning