Hexagon: Shaping the Future of Smart Cities
<table>
<thead>
<tr>
<th>Better Governance</th>
<th>Competitive Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creativity &amp; Innovation</td>
<td>Go Green</td>
</tr>
</tbody>
</table>
SMART CITY – Key Components

- MOBILITY
- ENVIRONMENT
- WATER
- PUBLIC INFO & SOCIAL ENGAGEMENT
- ENERGY
- INFRASTRUCTURE
- EMERGENCY & SECURITY
Hexagon: Core Competency in Geo Enabled Smart City Operation

Location bases information is common to every aspect of smart city

- Design
- Planning & Development
- Management & Maintenance

Geospatial technology offers a versatile alternative for

- Decision support
- Service delivery,
- Smart visualization,
- Analytics and
- Reporting

Geospatial forms the backbone of Smart City ICT planning & deployment
Data Capture
Data Capture - Today's Technologies for fast, efficient Data Capture

- **One point**
  - TPS
  - GNSS
  - DISTO™

- **Millions of points**
  - Terrestrial - Laser Scanning
  - Mobile Laser Scanning

- **Space/Airborne Based**
  - Aircraft-based
  - Remote sensing
  - Photogrammetry
RCD30 Oblique camera

Requirements for 3D City modelling projects:

- 4 band data, RBG and NIR
- Oblique data
- High image quality
- Large ground coverage
- SW producing vectorized building models
UAV Platform

AIBOTIX UAV

Sensors
- Visual Camera
- Thermal Imager
- Gas Detector
- Multispectral
- Hyperspectral
- Lidar

Promising Applications and Industry Solutions!
The Power Portfolio
The Power to Author

Producer Suite

Raw Data

Actionable Information

ERDAS IMAGINE
GEOMEDIA
IMAGESTATION
A powerful Remote Sensing, Photogrammetry, Radar & Point Cloud authoring platform
The Power to Manage

Provider Suite

Disorganized

Geospatial and Business Data

ECW PRODUCTS
ERDAS APOLLO

Harnessed
Big Data Problems at the Organization

- STORAGE
- DISCOVERY
- ACCESS & USE
ERDAS APOLLO

A comprehensive enterprise data management solution
ECW Technologies

High-performance image compression
The Power to Build Solutions

Platform Suite

Technology

Build a customized solution

GEOSPATIAL SDI
GEOMEDIA®
GEOMEDIA® WEBMAP
GEOSPATIAL PORTAL
MOBILE MAPWORKS
MOBILE ALERT
Business Problems

- Need a **SPECIFIC SOLUTION**
- **NOT AVAILABLE**
- Out-of-the-Box
- Help is **HARD TO FIND**
GeoMedia Smart Client

Create and deploy highly focused, geospatial business workflows
Web GIS

2D/3D web-based enterprise data access and sophisticated analysis
Mobile MapWorks

Real time tablet-based editing of enterprise GIS data
Mobile Alert

Cloud-based crowdsourcing of incident information
Hexagon Smart M.App®
WHAT IS THE MAP OF THE FUTURE?
IT’S NOT JUST A MAP.

A MAP DOESN’T DIRECTLY GIVE ME ANSWERS.

A MAP IS NOT ALIVE.

A MAP IS NOT FRESH.

A MAP IS A REFLECTION OF WHAT WAS.
THE MAP OF THE FUTURE...

- IS FRESH
- IS PORTABLE
- PROVIDES ANSWERS
- MAKES SENSE
THE MAP OF THE FUTURE...

IS A DYNAMIC INFORMATION EXPERIENCE OF:

...WHAT WAS

...WHAT IS

...WHAT CAN or WILL BE
THE MAP OF THE FUTURE IS...

HEXAGON
SMART M.APP
Hexagon Smart M.App

- Content
- Analytics
- Workflow
- Presentation

Due to security concerns, some enterprises are unable to capitalize on the value of Hexagon Smart M.Apps.
M.App Enterprise

- A platform to create geospatial apps within an organization, for that organization
- Dynamically addresses enterprise location-based challenges
- Can be hosted on premise
- Use the power of Hexagon Smart M.App in your IT / security environment
Core Components

- Vector
- 3D
- Point Clouds
- Analytics
Security Analysis
Hexagon Advantage

**SENSORS AND SOFTWARE**

The combination of sensors and software is fundamental to delivering productivity and quality improvements across customer organizations.

**REAL-WORLD, DIGITAL-WORLD FUSION**

Enables decision making based on actual circumstances. Fusing the real and digital worlds delivers dynamic data and actionable information.

**LINKING ISOLATED ISLANDS OF INFORMATION**

Actionable information empowers the system – from people to machines – to act and react faster and more intelligently.
THANK YOU

Visit us @ Booth # 4