SMART UTILITY SERVICES

by S Ramaprasanna, Managing Director, AAM India
PRESENTATION OVERVIEW

• Company Overview
• Smart City On The Rise
• Smart Utilities
COMPANY OVERVIEW

➢ Australian Aerial Mapping (AAM) was formed in 1959

➢ Now “AAM Group” to reflect our wider Mission

➢ 500 employees; majority staff owned

➢ Operations:
COMPANY OVERVIEW

➢ Local Presence & International experience:

• 50 year old company with Indian resources guarantees completion

➢ Owns and Operates Resources:

• Reducing project risk of sensors and aviation

➢ Whole of Project Support:

• Single point of contact and responsibility

➢ Committed to Implementation:

• Data is deployed for all project stakeholders.
COMPANY OVERVIEW

- 14 aircraft and 8 UAVs
- 7 LiDAR sensors
- Bathymetric LiDAR capacity
- 11 x aerial cameras
- 3 x Oblique image sensors
- 5 x Terrestrial Laser Scanners
- Street Mapper Mobile Laser Scanning Units
- 100 x fully equipped survey crews: GPS & Total Stations.
SMART CITIES ON THE RISE

Urbanization

More manageable and innovative cities needed considering the issues of urbanization

- Exploding Population
- Technical Resources
- Migration
- Lack of Supervision
- Insufficient Infrastructure
- Unplanned Urbanization
- Increasing Mobility
- Congested Traffic
- Energy Crisis
- Natural Disasters
Transformation is possible by integration of «infrastructure», «citizen» and «administration»
Smart City needs Smart Utilities

- Smart Energy
- Smart Public Services
- Smart Public Safety
- Smart Home / Office / Building
- Smart Education
- Smart Healthcare
- Smart Transportation
Combination of Technology

Smart city concept is founded on a set of solutions which are combination of today’s standalone technologies.

1. **Broadband**
2. **Mobile**
3. **Building Automation**
4. **Next Gen Device**
5. **UCC**
6. **Cloud Computing**
7. **Internet of Things**
8. **Reporting**
9. **Big Data**
10. **Business Intelligence**
11. **Data Analytics**
12. **M2M**
13. **E-government**
14. **E-cards**
15. **IT Security**
16. **Wireless Sensor Netw.**
The solution set working on a common infrastructure turn into initiatives which vary by the industry.

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<td>• River Basin and Smart Water Management</td>
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<td>• Traveler Information Systems</td>
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**Smart Education**

- Smart Classroom
- Performance Man.
- Asset Management
# AAM OFFERS ON SMART CITY

## Data Sources
- Existing Data
- Aerial Imagery
- Airborne LiDAR
- Oblique Aerial Imagery
- Satellite Imagery
- TLS
- Field Survey
- UAVs

## Services & Technology
- Aerial Survey & LiDAR
- 3D GIS and Visualization
- Land & Construction Surveying
- Laser Scanning & 3D Modelling
- Satellite Imagery
- Web Mapping
- Content
- GEOCIRRUS
- Consulting

## Solutions
- Web based Mapping Applications
- Geo Solutions
- Utility wise solutions
- Mapping Solutions
Click on these articles for more details:
MORE DETAILS

https://www.youtube.com/user/AAMPtyLtd

3D City Model: Gold Coast, Australia by AAM

AAM's Smart Cities role in India - Interview with CEO Mark

Hong Kong 3D City Model by AAM

3D City Model: Melbourne, Australia by AAM

BBC NEWS

The hi-tech connected city of Singapore

Mobile Mapping of Singapore

3D Mapping Project by Singapore Land Authority wins Geospatial...
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