GEOSPATIAL WORLD FORUM

THEME GEO4IR

Geo-enabling 4th Industrial Revolution

Location | IoT | BigData | AI

15-19 JANUARY 2018, HICC, HYDERABAD, INDIA

AAM

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

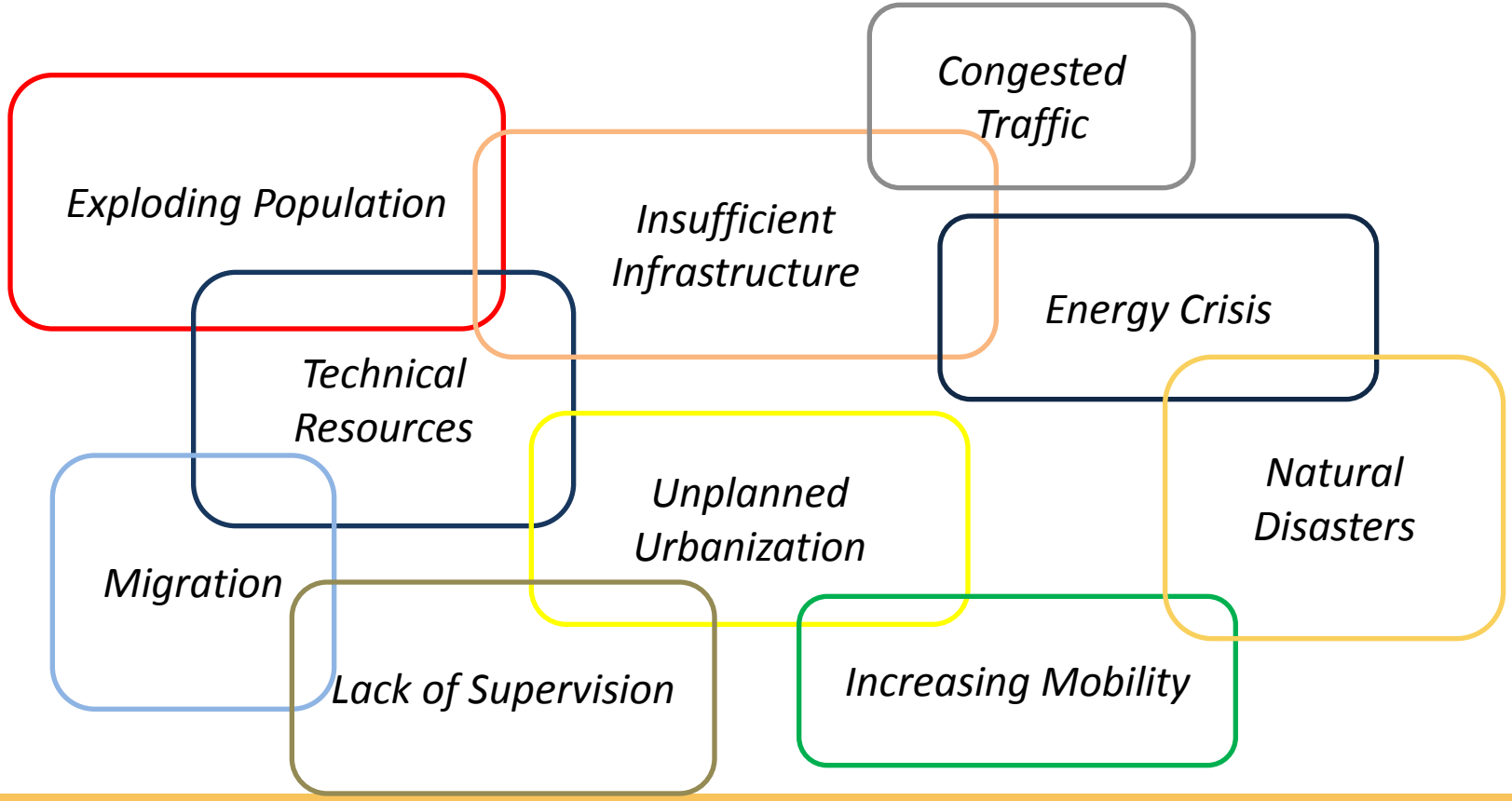
- **Local Presence & International experience:**
  - 50 year old company with Indian resources guarantees completion
- **Owns and Operates Resources:**
  - Reducing project risk of sensors and aviation
- **Whole of Project Support** :
  - Single point of contact and responsibility
- **Committed to Implementation**:
  - Data is deployed for all project stakeholders.

COMPANY OVERVIEW

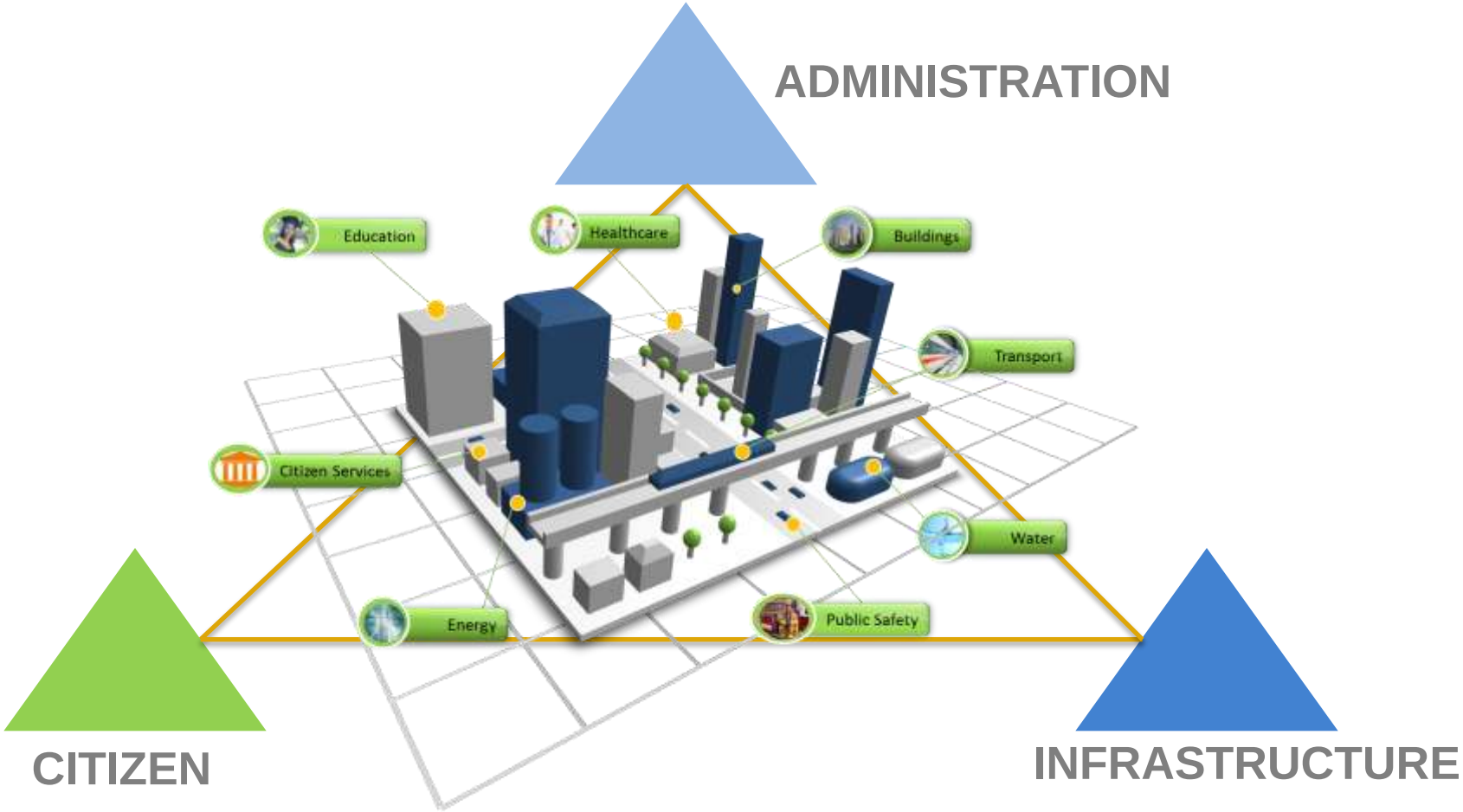
- 14 aircraft and 8 UAVs
- 7 LiDAR sensors
- Bathymetric LiDAR capacity
- 11 x aerial cameras
- 3 x Oblique image sensors
- 5 x Terrestrial Laser Scanners
- Street Mapper Mobile Laser Scanning Units
- 100 x fully equipped survey crews: GPS & Total Stations.

Urbanization

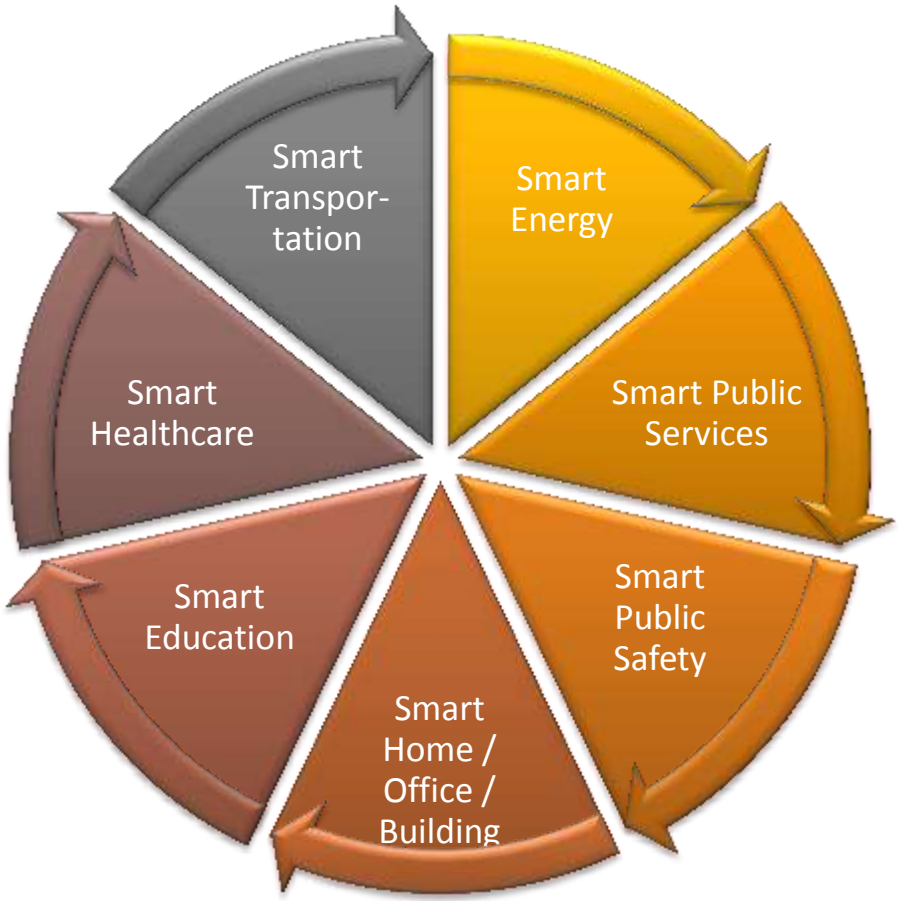
More manageable and innovative cities needed considering the issues of urbanization



Transformation is possible by integration of «infrastructure», «citizen» and «administration»



Smart City needs Smart Utilities



Combination of Technology

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

The solution set working on a common infrastructure turn into initiatives which vary by the industry

Smart Utilities

- Intelligent Utility Network
- Smart Metering
- Energy Optimization
- Smart Production
- Demand Planning
- Advanced Distribution Management
- Operations Control
- River Basin and Smart Water Management

Smart Health

- Smart Care Management
- Connected Health
- Smart Medicine Supply
- Mobile Health
- Remote Healthcare

Smart Education

- Smart Classroom
- Performance Man.
- Asset Management

Smart Public Services

- Smart Citizen Services
- Smart Tax Administration
- Smart Customs, Immigration, Border Management
- Smart Crime Prevention
- Smart Emergency Response
- Smart Financial Management

Smart Building

- Energy Optimization
- Asset Management
- Facility Management
- Video Surveillance
- Recycling and Power Generation
- Automatic Fault Detection Diagnosis
- Supervisory Control

Smart Transportation

- Intelligent Transportation
- Smart Public Transportation
- Integrated Fare Management
- Fleet Optimization
- Tolling Solutions
- Real-time Adaptive Traffic Management
- Smart Parking
- Traveler Information Systems

AAM OFFERS ON SMART CITY

AAM SMART CITIES

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

MORE DETAILS

Click on these articles for more details :

A SMART VISION FOR CITIES

DAVID JONAS EXPLAINS HOW SINGAPORE IS DEVELOPING A HIGH-RESOLUTION, 3D NATIONAL TOPOGRAPHIC MAP TO TURN ITSELF INTO A "SMART CITY"

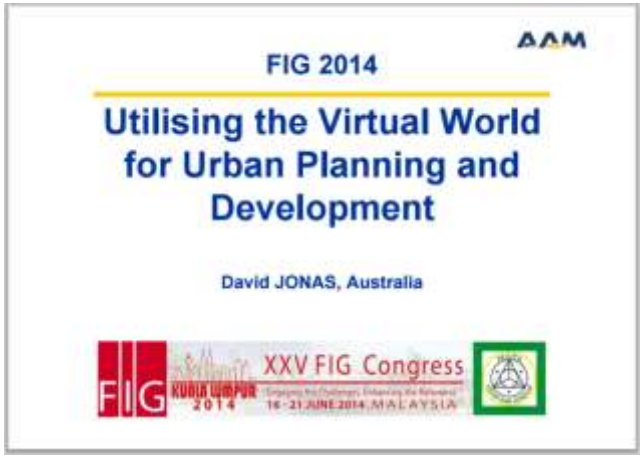


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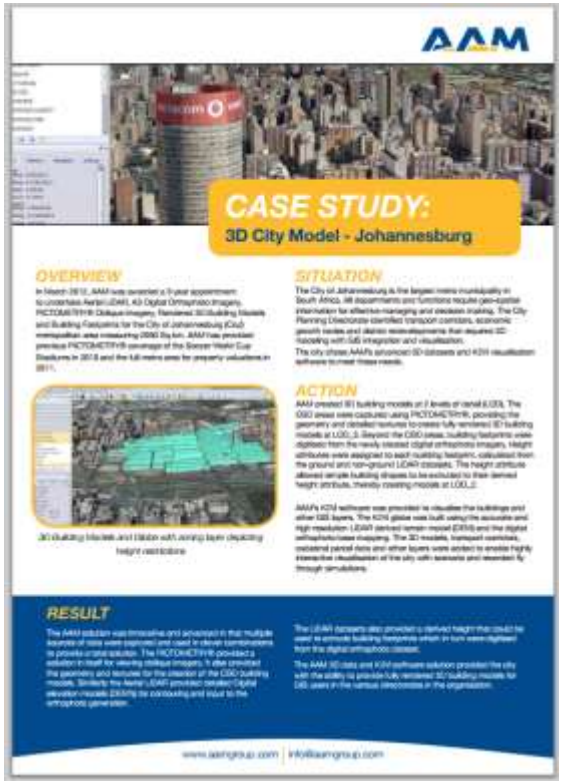
FIG 2014

Utilising the Virtual World for Urban Planning and Development

David JONAS, Australia

FIG XXV FIG Congress KUALA LUMPUR 2014 16-21 JUNE 2014 MALAYSIA



AAM

CASE STUDY:
3D City Model - Johannesburg

OVERVIEW

SITUATION

ACTION

RESULT

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

The hi-tech connected city of Singapore

Hong Kong 3D City Model by AAM

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

Mobile Mapping of Singapore

3D Mapping Project by Singapore Land Authority wins Geospatial

Thank you

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