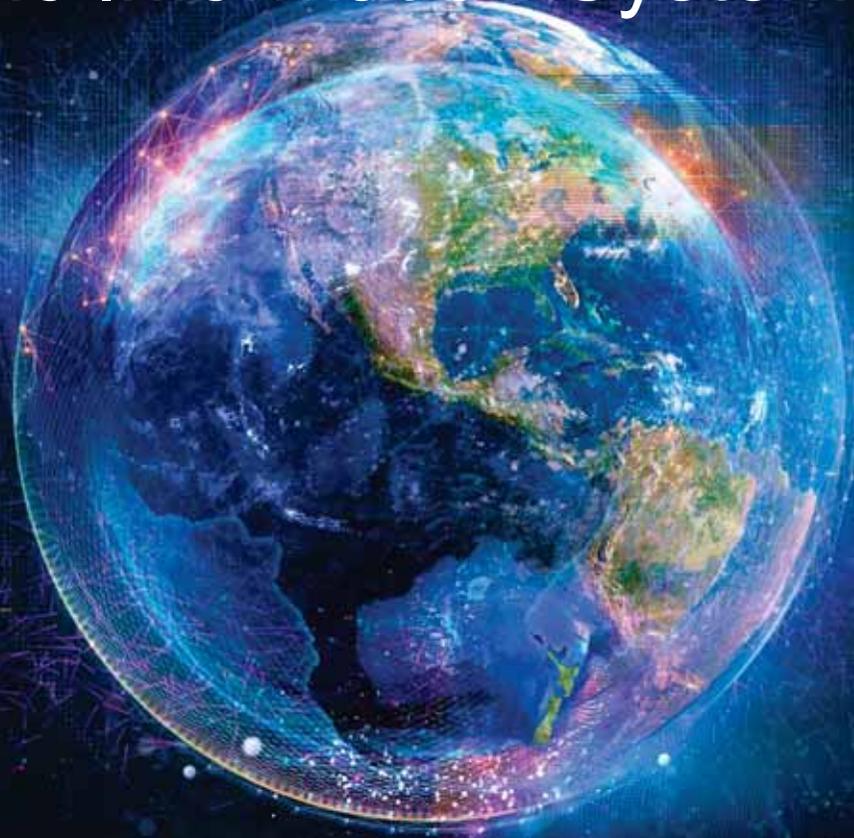




GIS for Smart Transportation & Logistic

Geographic Information Systems



AN INTELLIGENT
NERVOUS SYSTEM

Who We Are



Environmental Systems Research Institute

Redlands, California, USA

Founded in 1969

Who We Are



esri China
HONG KONG

Since 1997



Our Clients



I&T Solution

Reference No.	S-0003
Solution Name	GeoSpatial Cloud

Solution Description

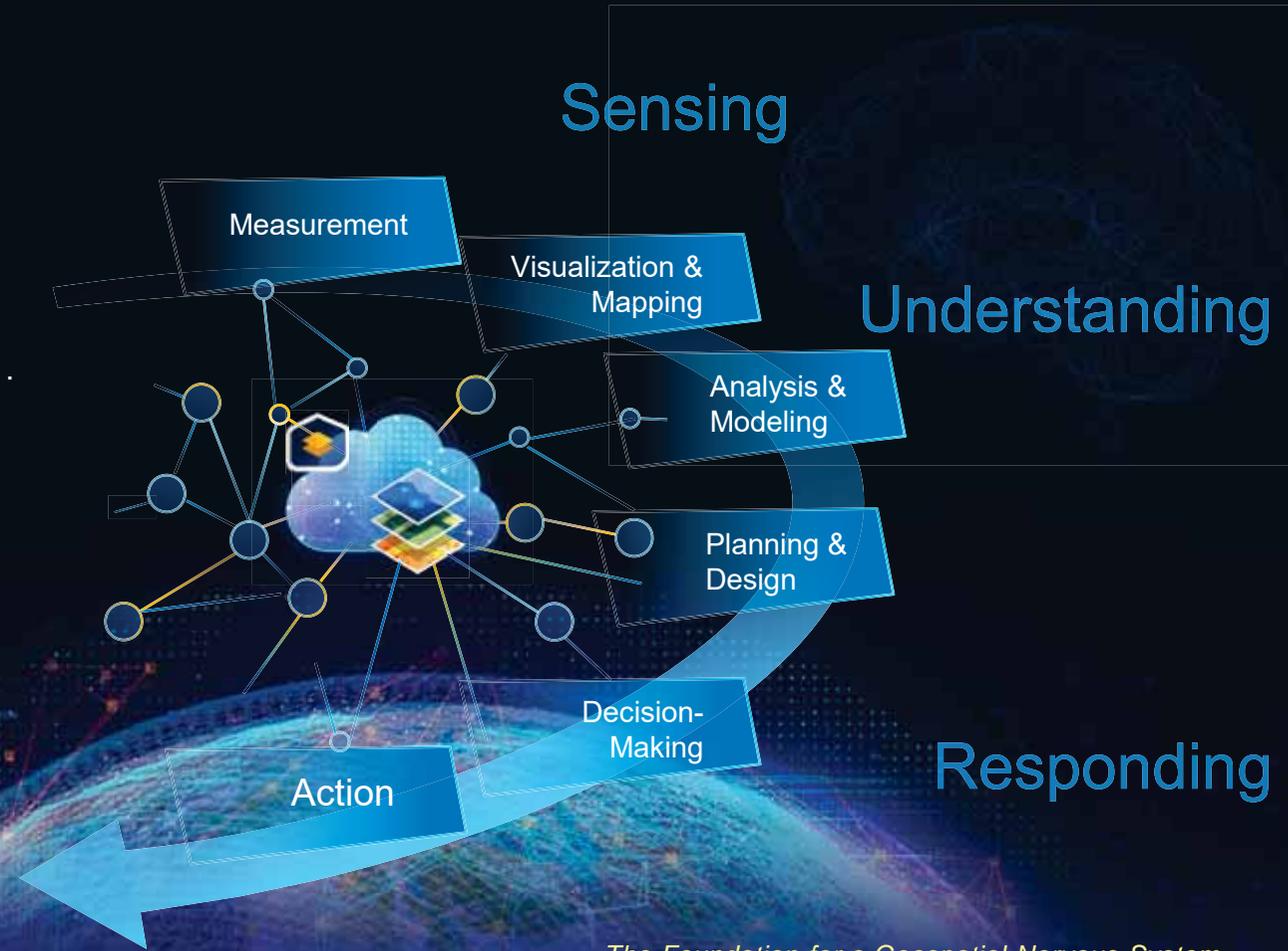
Esri China (HK) is specialized in providing Geographic Information Systems (GIS) solutions based on Esri's ArcGIS technology which enables integration with different smart city components like transport, security, urban planning, healthcare, asset management, disaster and common operational picture for emergency response. Esri China (HK) is honored to be awarded the SOA-QPS by the Office of the Government Chief Information Officer (OGCIO) since 2005.

Cloud platforms and geographic information systems (GIS) software together give businesses the ability to



THE SCIENCE OF WHERE

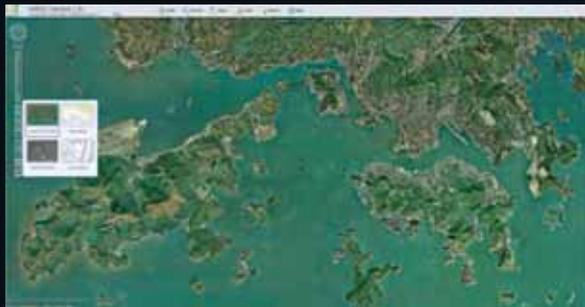
Provides the Framework . . .
. . . And Process



The Foundation for a Geospatial Nervous System

Managing Land Information and Urban Planning

New Land Information System



Lands Department

GeoInfo Map



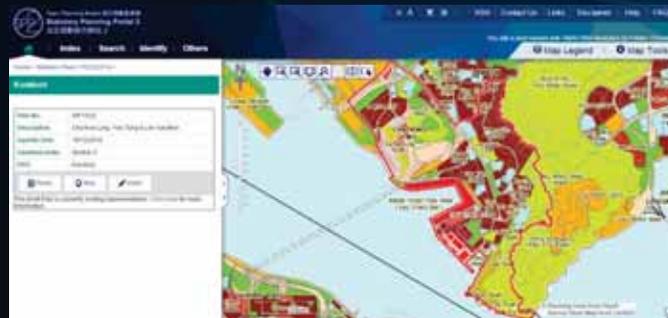
Lands Department

LandsD Map API



Lands Department

Statutory Planning Portal 2 (SPP2)



Planning Department

Mobile Mapping System (MMS)



Lands Department

Environmental and Conservation Management

Departmental GIS



Agriculture, Fisheries and Conservation Department

Environmental Database Model for Enforcement and Monitoring (ENDMEM)



Environmental Protection Department

Pollution Complaint Management Module (PCMM)



Environmental Protection Department

Noise Information Database (NID)



Environmental Protection Department



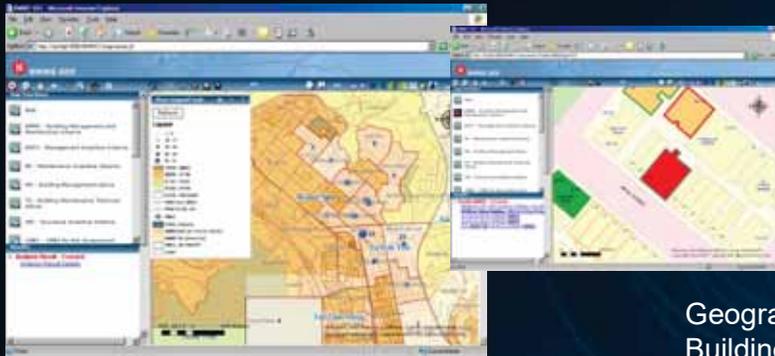
Public Web site



澳門環保局

Buildings and Housing Management

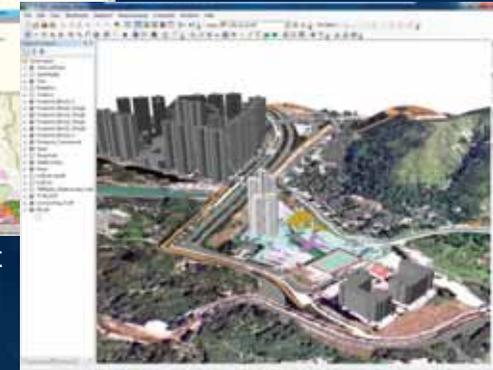
Building Management and Maintenance Scheme for GIS (BMMS)



Hong Kong Housing Society



GIS For The Development And Construction Division (DCDGIS)



Hong Kong Housing Authority

Geographical Information System for the Buildings Department (BDGIS)



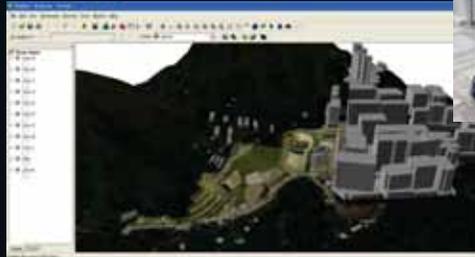
Building Department

Interactive Directory for Shopping Malls



Cyberport

Mobile Mapping System (MMS) – 3D Geo-referenced Model



Hong Kong Housing Authority



Transportation, Highways Planning and Management

Electronic Management and Maintenance System (EMMS)



Highways
Contractors

Road Data Maintenance System (RDMS)



Highways Department

Mobile Mapping System (MMS)



Highways Department

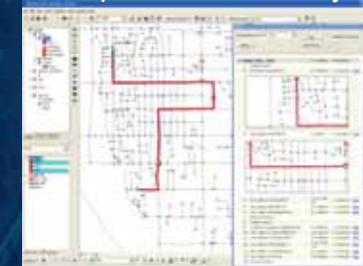
Traffic Information Management System (TIMS)



Bus Route
Enquiry
System

Macau Transport Bureau

Transport Information System (TIS)



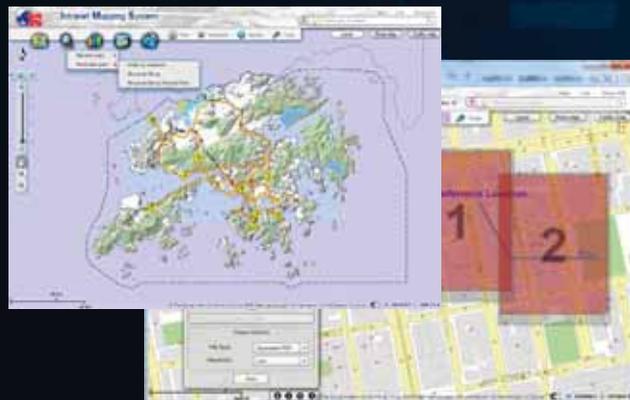
Transport Department

Passenger Enquiry System



KMB & NWS

Intranet Mapping System (IMS)



Highways Department

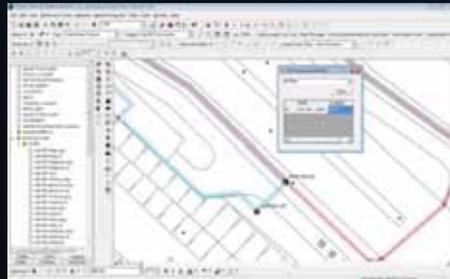
Utility Data and Asset Management

Mobile Geographic Information System (MGIS)
Water Suspension Notification System (WATSUN)



Water Supplies Department

Operations Support System (OSS)



Hong Kong Broadband Network

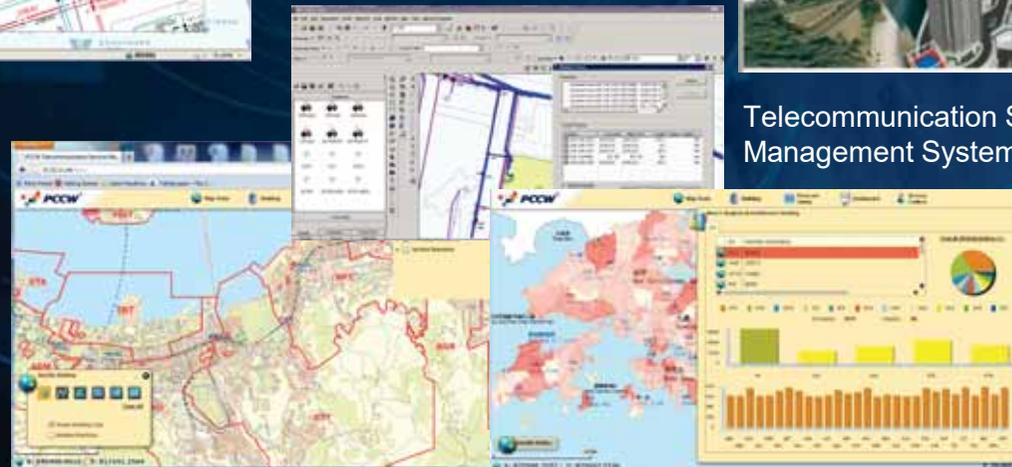
Asset Information System (AIS)



Architectural Services Department



Telecommunication Services Management System (TSMS)



Hong Kong Telecommunications Ltd

3D Building and City Modeling

Design and Development



Al Bidda
Italferr



The Netherlands
Tensing

Urban Design

Proposed Building Visualization

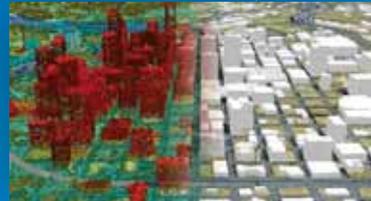


Chicago, IL
Houseal Lavigne



Vilnius, Lithuania
Vilniaus planas

Lidar & Extruded Buildings



Houston, TX
TNRIS, Stratmap

BIM Integration

Highway Structures



United Kingdom
Jacobs Engineering

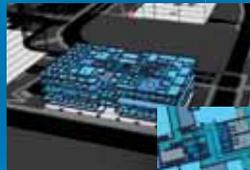
Inside Plant



Wisconsin
Milwaukee Metropolitan
Sewerage District

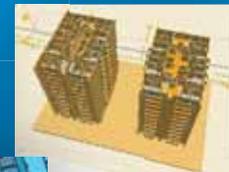
Space Management

Analysis



Virginia
R&K Solutions

Visualization



Dubai
Dubai GIS Center

Real Estate Management

Occupancy



Dallas, TX
Blue Raster

Vacancy

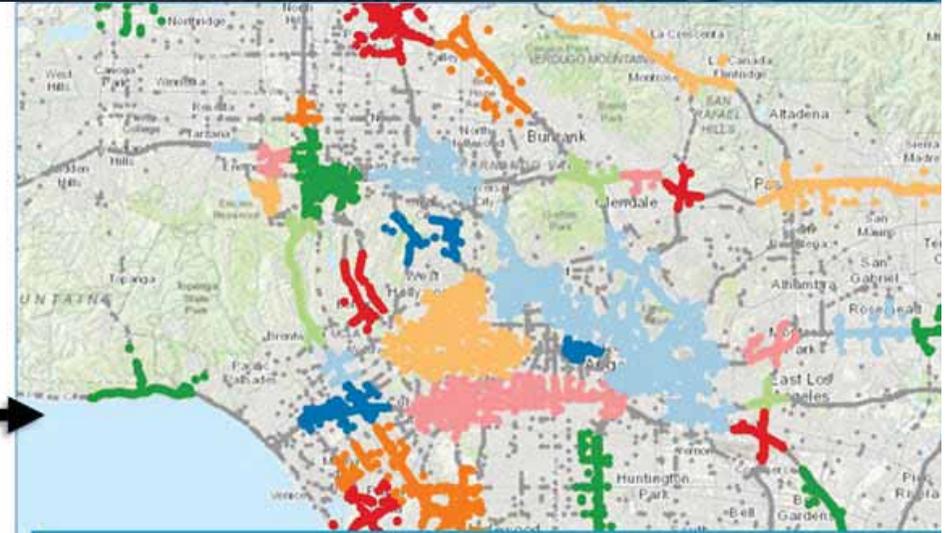
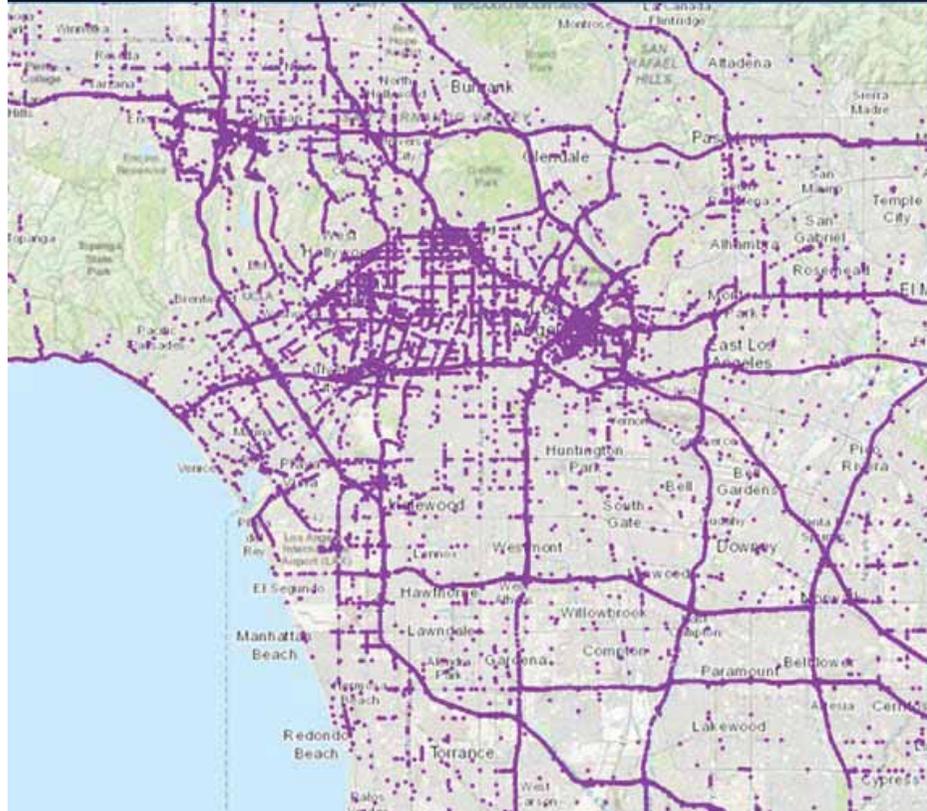


Dubai
Dubai GIS Center



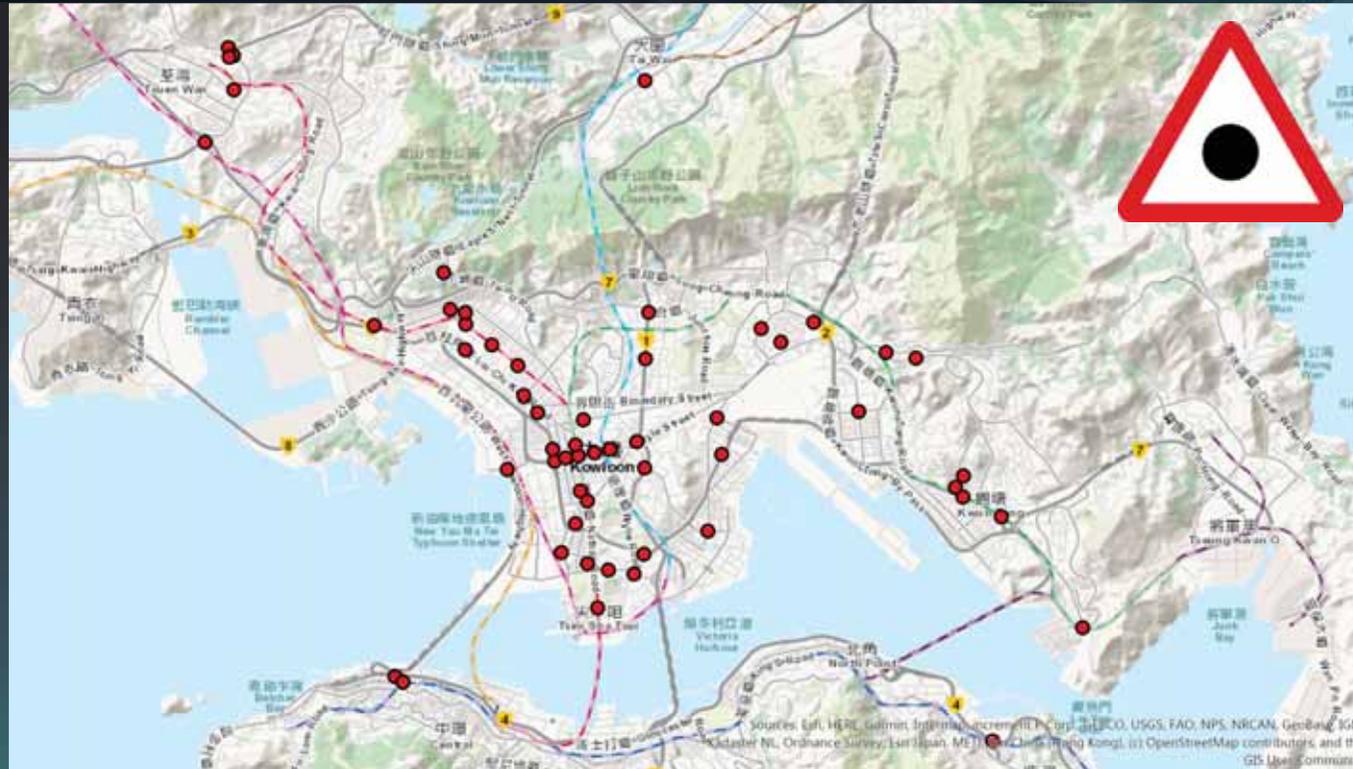
Spatial Analysis and Data Science

Traffic congestion clusters



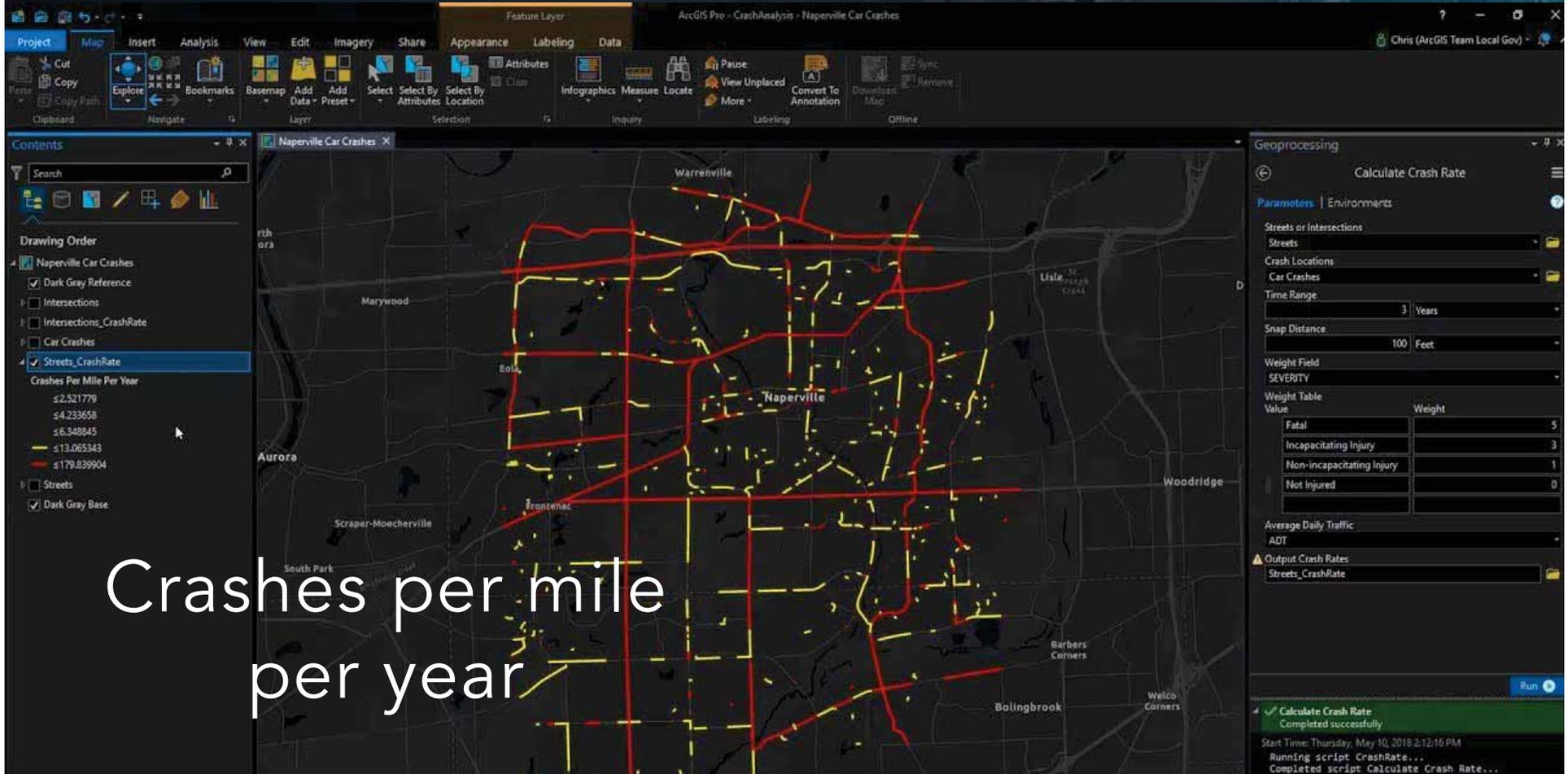
Density-based cluster analysis

Traditional traffic blackspots



Set definitions based on experience

GIS traffic accident rate calculation

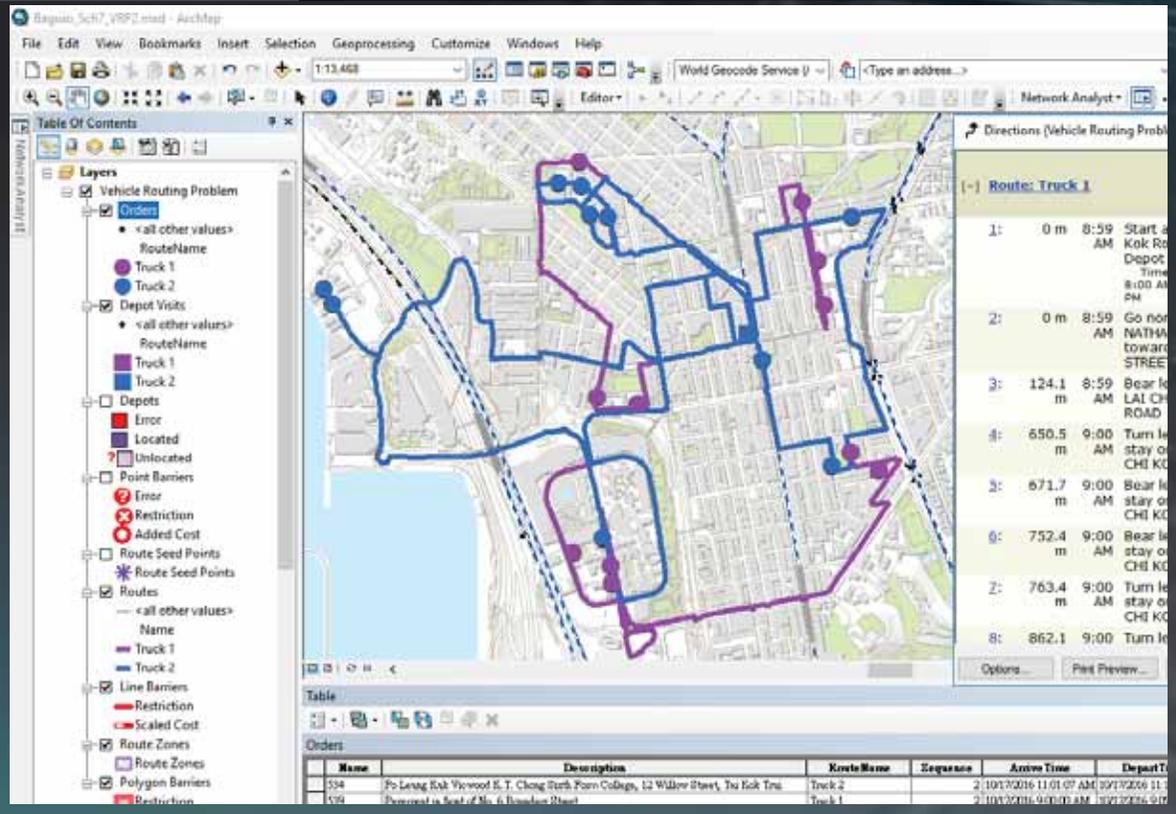


Crashes per mile
per year



Real Time Fleet Management

Successful Stories | Baguio Green Group



Successful Stories

Baguio Green Group

The screenshot displays a fleet management interface. On the left, a sidebar lists vehicle details for 'ESRI - TR9053', including status (Normal), engine status (off), speed (0 kmph), and location (Industrial Centre). The main area shows a map of an industrial park with a blue location pin. A weather bar at the top indicates 14.6°C and 47% humidity. A 'Dashboard' button is visible in the top right corner.



Successful Stories

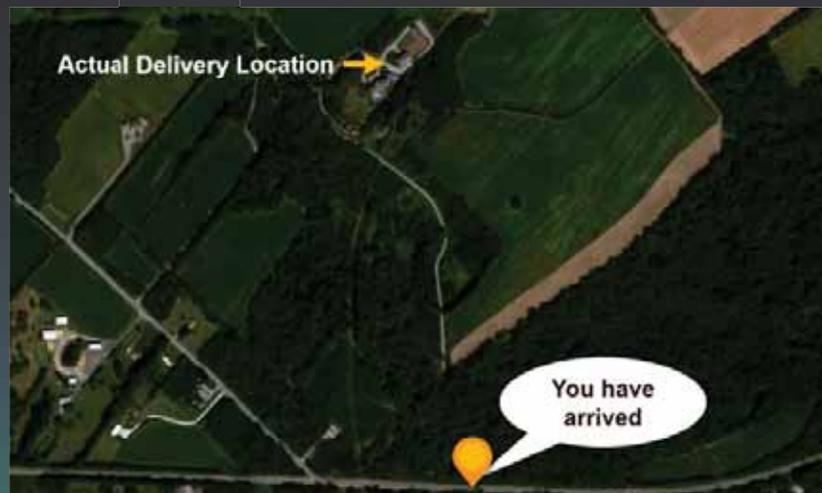
UPS

- **ORION** Routing System
On-Road Integrated Optimization and Navigation
- 1 mile / day / employee = \$50 Million USD / year
- ORION:
 - ✓ Better travelling route
 - ✓ More efficient package loading / unloading



Successful Stories

UPS





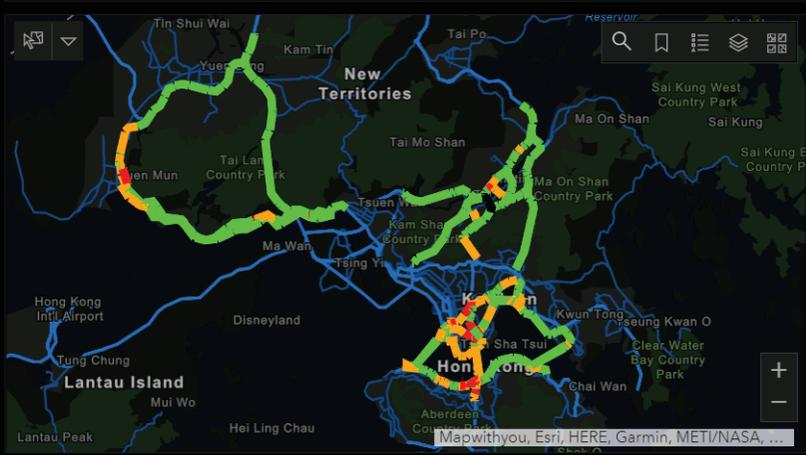
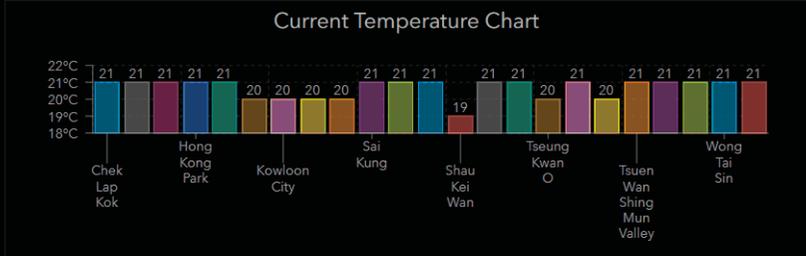
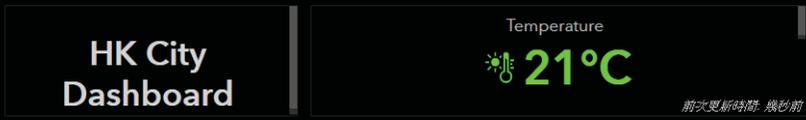
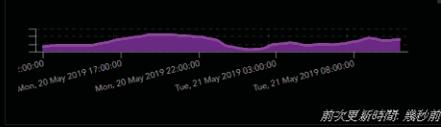
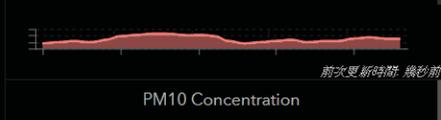
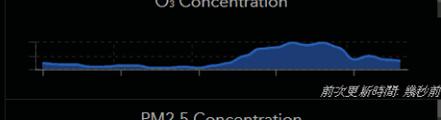
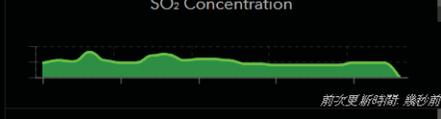
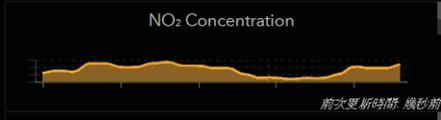
The Big Picture



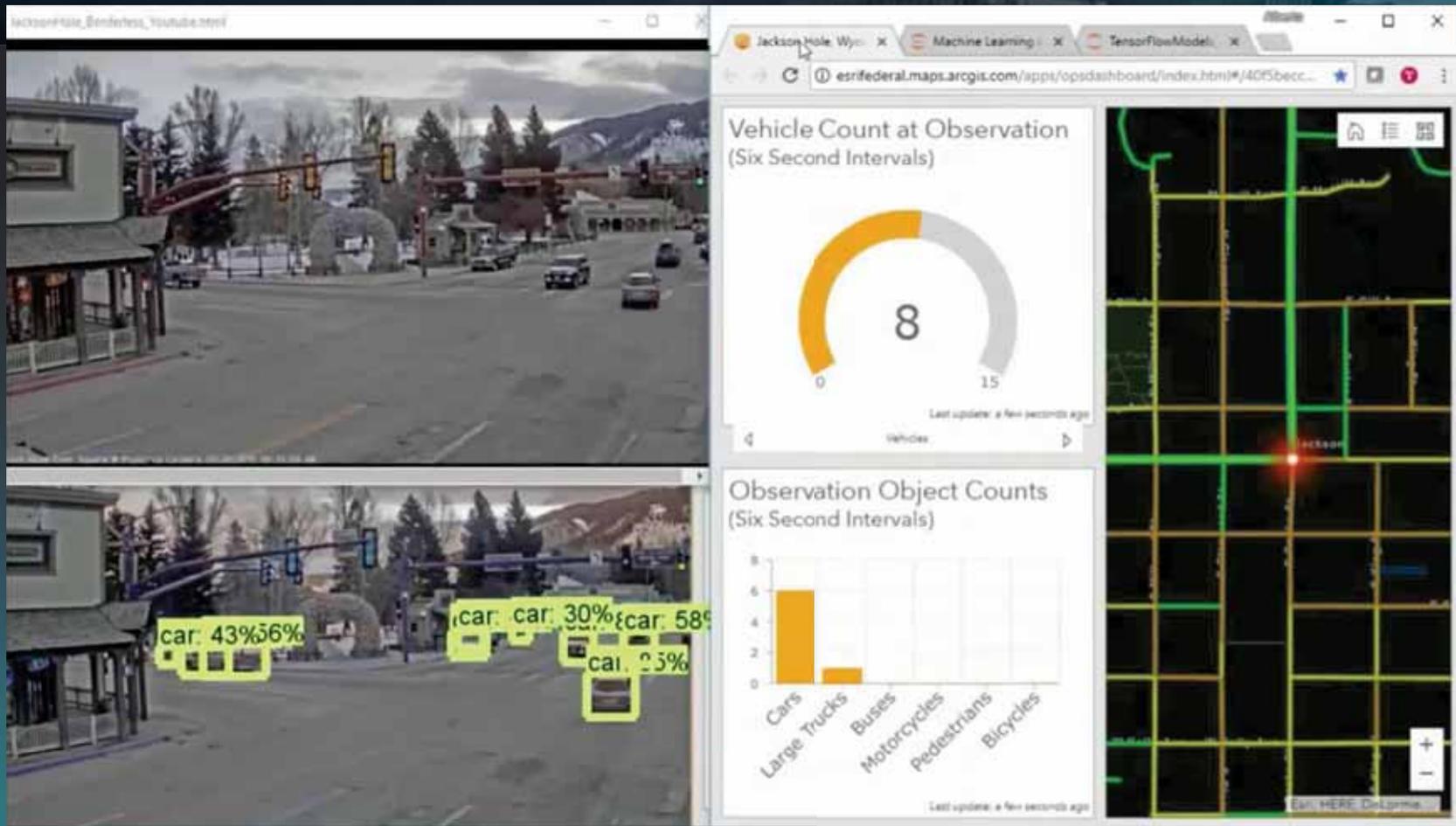
Operational Dashboard for ArcGIS

- 'At-a-glance' decision making
- Web browser-based app
- Integrated with ArcGIS Online and ArcGIS Enterprise (10.6 and later)

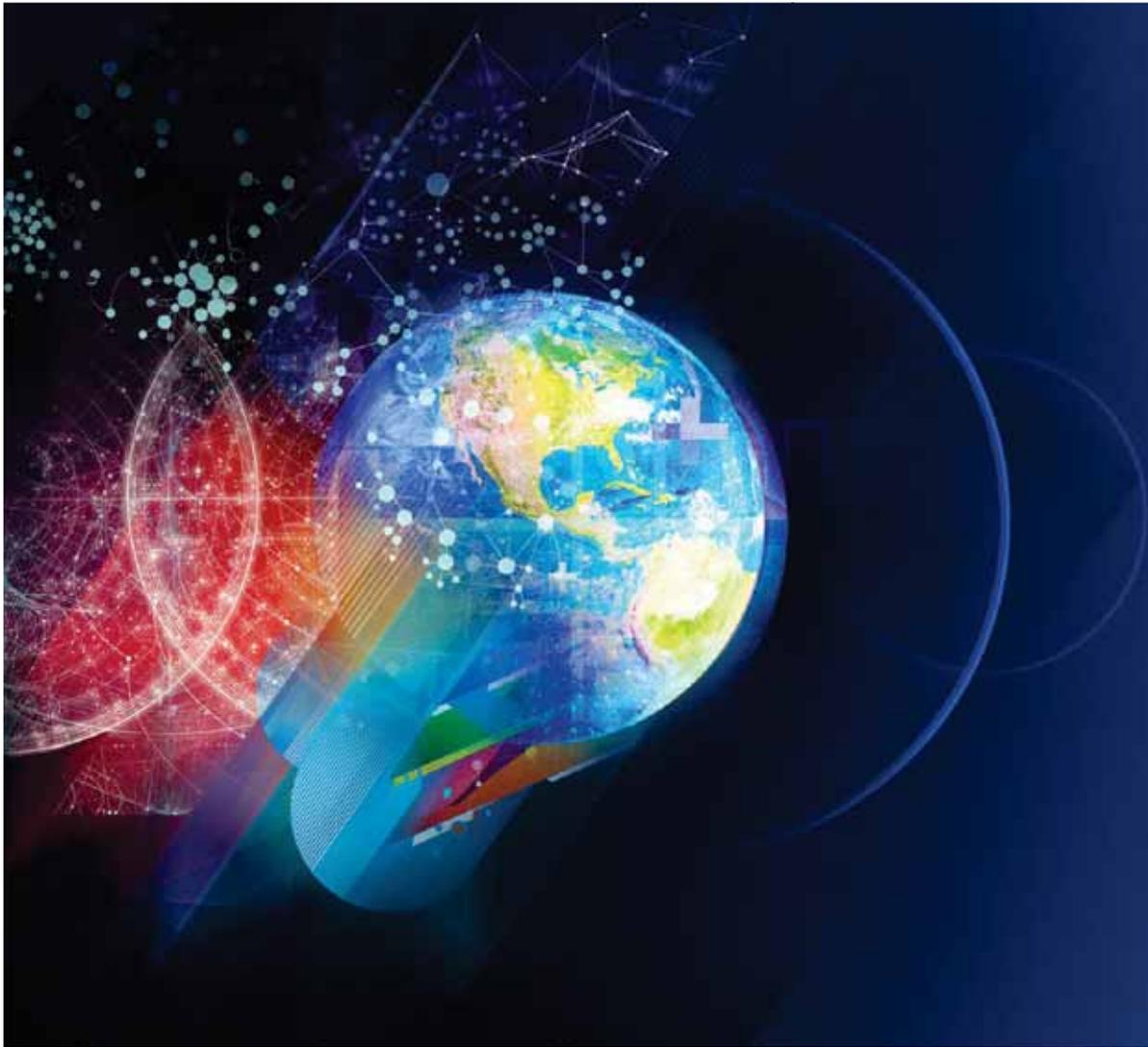




City-wide monitoring







SEE
WHAT
OTHERS
CAN'T



esri

China
HONG KONG

**THE
SCIENCE
OF
WHERE**