

Oman NSDI Supporting Economic Development

2017

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البنية الوطنية للمعلومات الجغرافية
National spatial data infrastructure

"It's critical to make correct decisions the first time to optimize the Investments especially during tough times.

GIS provides economic developers and Decision makers a framework for decision making, which helps minimize risk and maximize value."





How GIS can support Oman Economic Diversification Strategy 2040

- Needs Branding for Country
- Grow reputation as a destination using Maps
- Easy Information on Tourism Destinations including Locations
- Easy Navigation to the Tourist Attractions
- Services Locations (Hotels, Restaurants, Café, Shopping Malls, Pharmacy etc.)
- Effective Route plan to cover maximum destinations
- National Addressing System
- Site Selection for doing Business based on location demographics and consumer pattern
- Support Decision Makers with appropriate Information including the Location
- Authentic dependable GeoSpatial data from Data Owners
- Support for Planning – Urban, Regional, Smart Cities

Smart City – Vision for Cities of the Future

A smart city is an urban development vision to integrate multiple Information and Communication Technology (ICT) and Internet of Things (IoT) solutions in a secure fashion to manage a city's assets.



Efficient

Optimized use of city resources



Seamless

Integrated daily life services



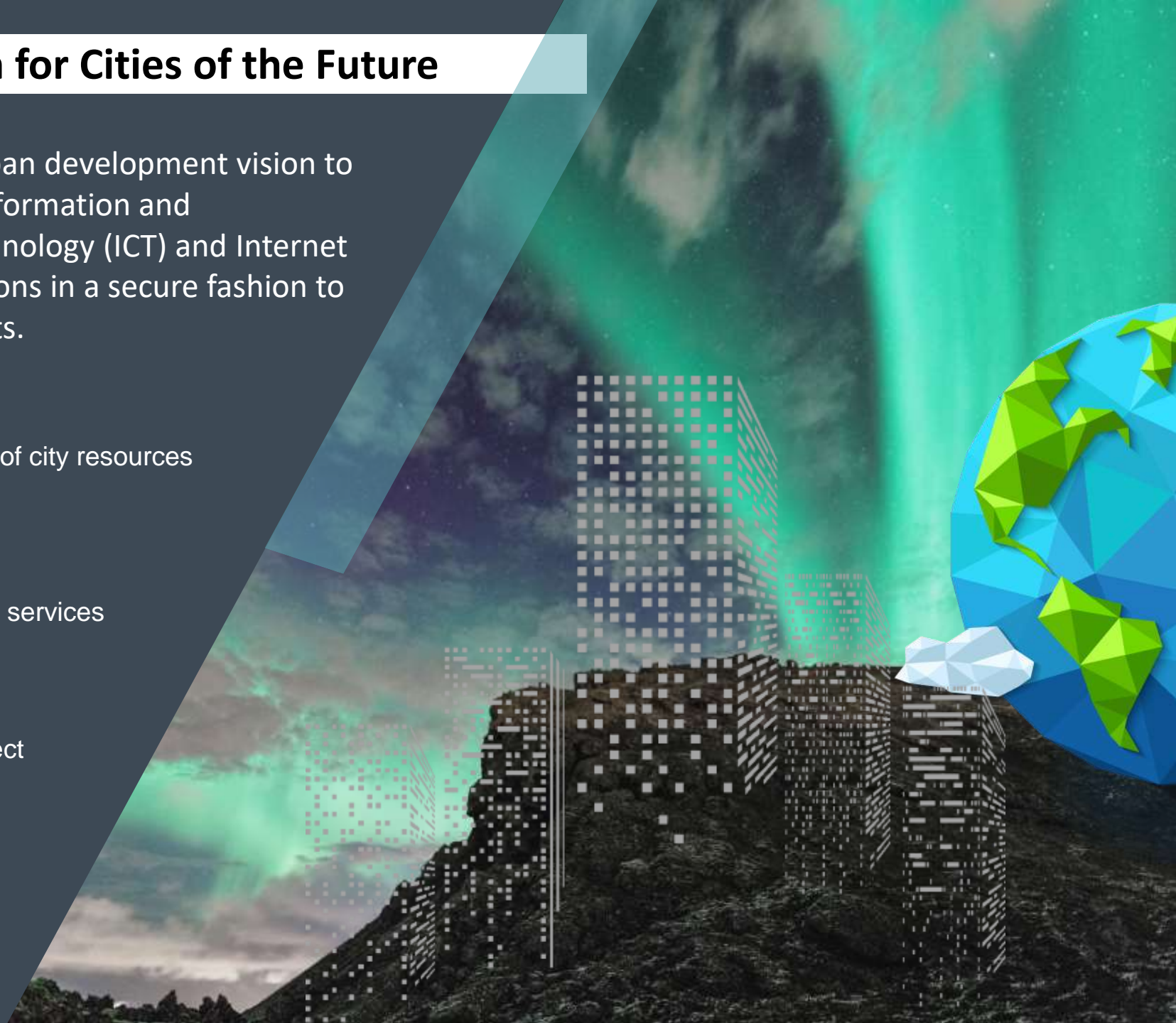
Safe

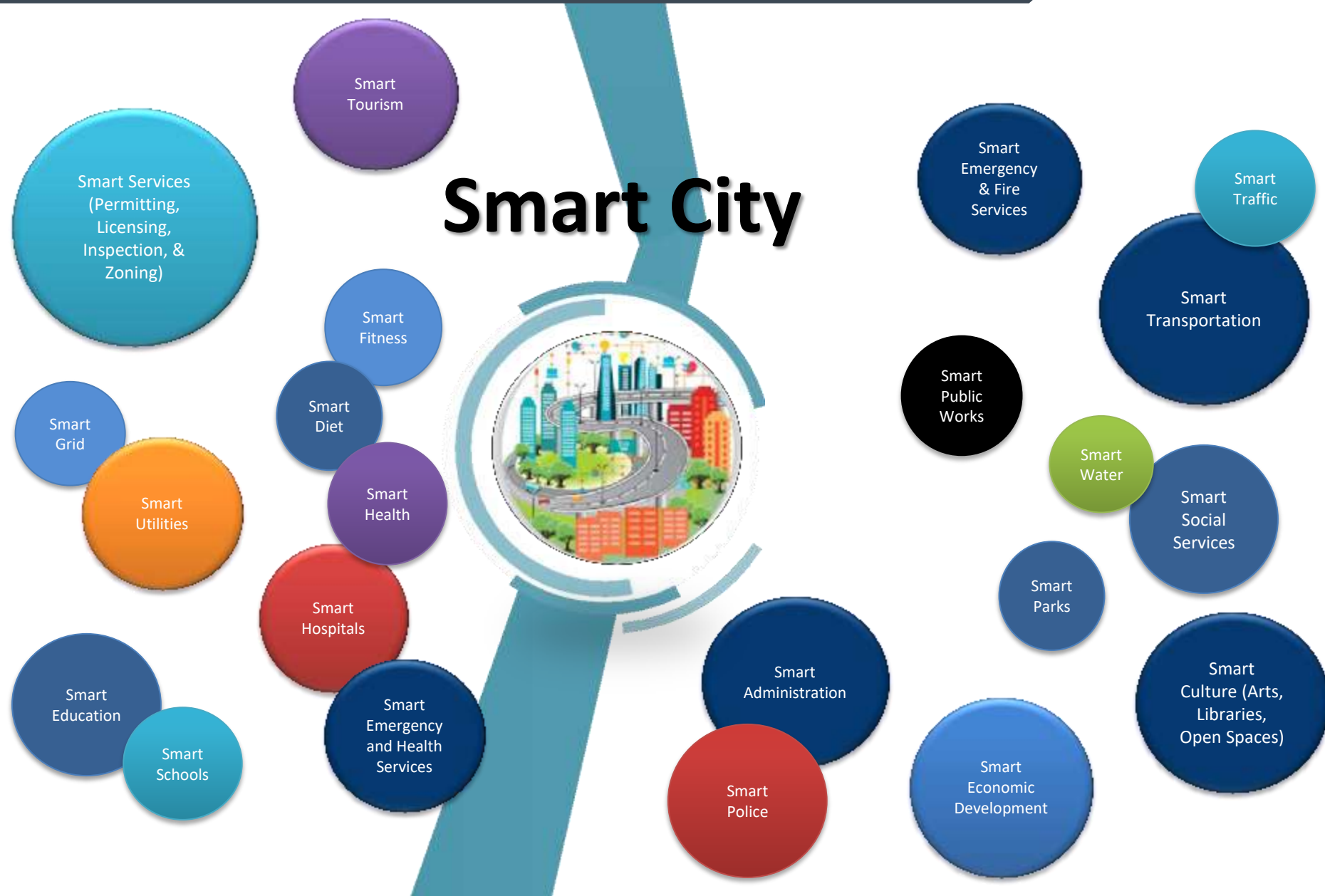
Anticipate risks and protect people and information



Impactful

Enriched life and business experiences for all





- A centralized information system based on geospatial technology is a **powerful framework** which provides location information and GeoEnabled Applications for Economic development.



Oman NSDI – Who we are?

“Oman National Spatial Data Infrastructure (ONSDI) is a governmental initiative; conceived to provide GeoSpatial infrastructure to coordinate, facilitate, and support sharing and utilization of Geospatial Information across all Government entities in the Sultanate of Oman.

Our Vision

“Build a standardized Geo-Spatial Infrastructure to facilitate the access to an organized, standardized, and up-to-date sharable geospatial information for enabling a high quality location based Government services and solutions”



- Spatial Data Governance
- Spatial Data Security
- National Basemap Alignment
- GeoEnable eTransformation Projects
- GeoEnable Emergency & Crisis Management



Our Mission

Location Enablement of Government Services

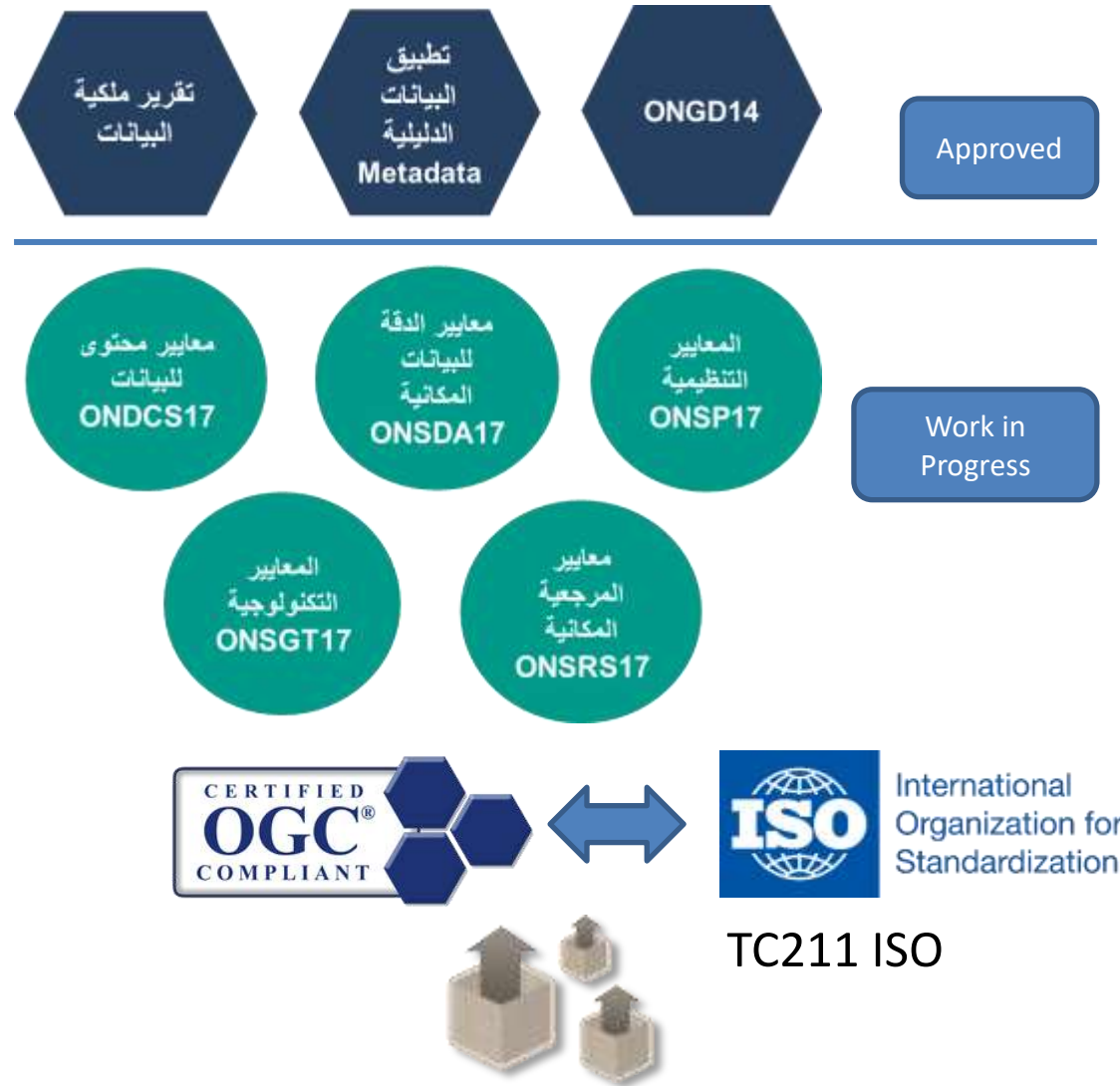


“Support Government & stakeholders’ collaboration for better location based decisions and services”

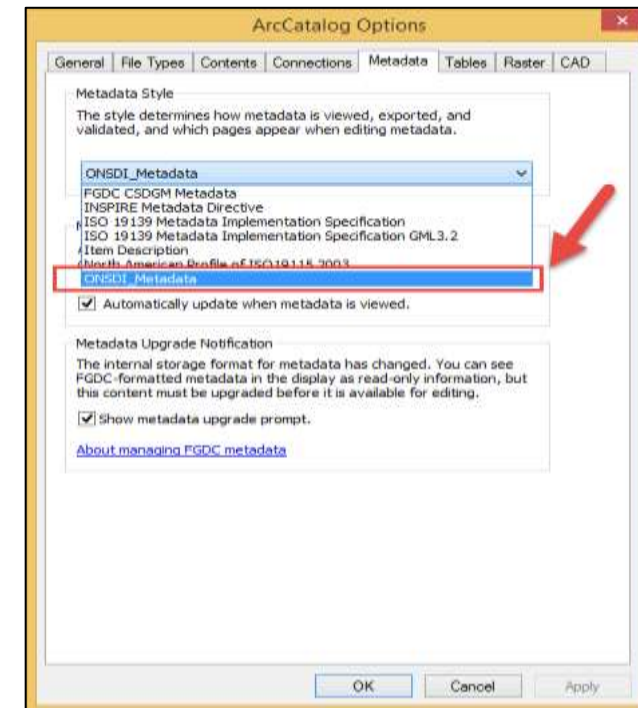
Our Role – Provide the Missing Link



National GeoSpatial Standards

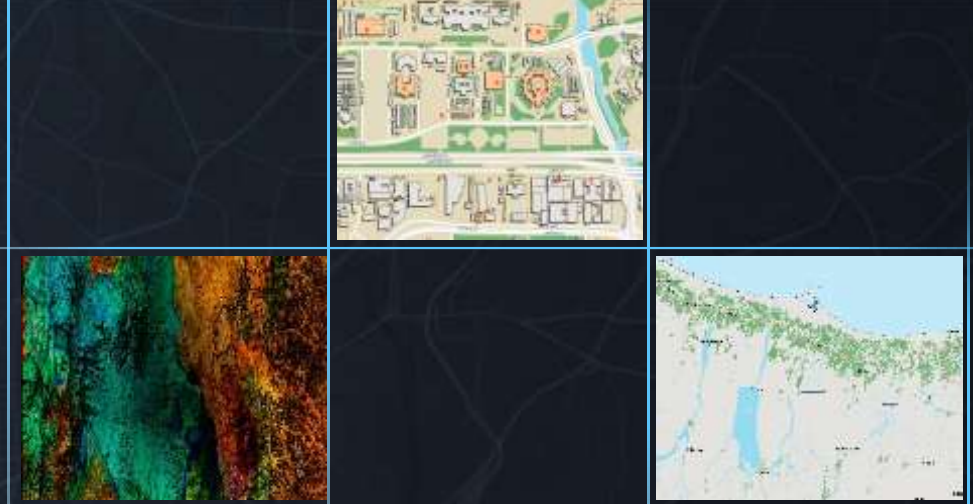


- ONSDI is developing National GeoSpatial Data Standards
- ONSDI in collaboration with NSA launched ONGD14 as official Datum for Oman
- ONSDI Launched Metadata Standards and Metadata Editor in Jan'2017

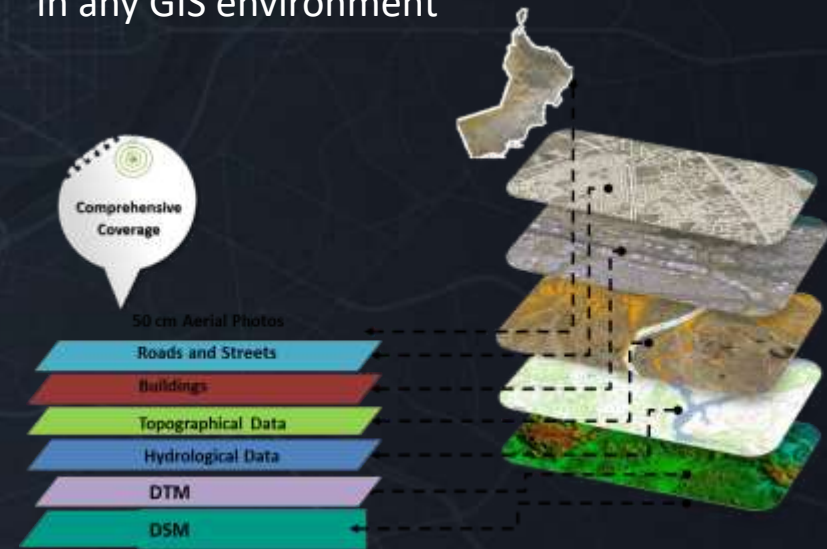


Our Initiatives – Unified National Basemap

- ONSDI Launched National basemap in Jan'2017
- All Government Entities will align their GeoSpatial Data to National Basemap
- National Basemap is available for download to Government and Semi Government entities and as a WMS service to Public



- National Basemap Service can be used directly in applications, analysis and data creation a backdrop in any GIS environment



Tour Oman



- Award Winning Tourism oriented application
- 500+ Tourist Attractions
- 22000+ Service Locations
- Navigation Enabled
- Launched in 2014
- 8000+ downloads since its launch
- 200,000+ queries for services
- Rated 4+ on average by users
- Enhanced Features
 - Plan trips
 - Ratings and Favourites
 - Social Networks
 - VGI
- Available for iOS and Android.



Our Initiatives

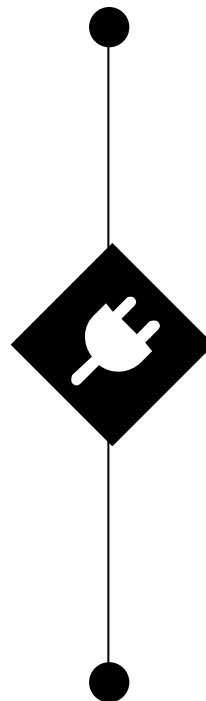


e.oman

GeoEnable National eTransformation
Projects



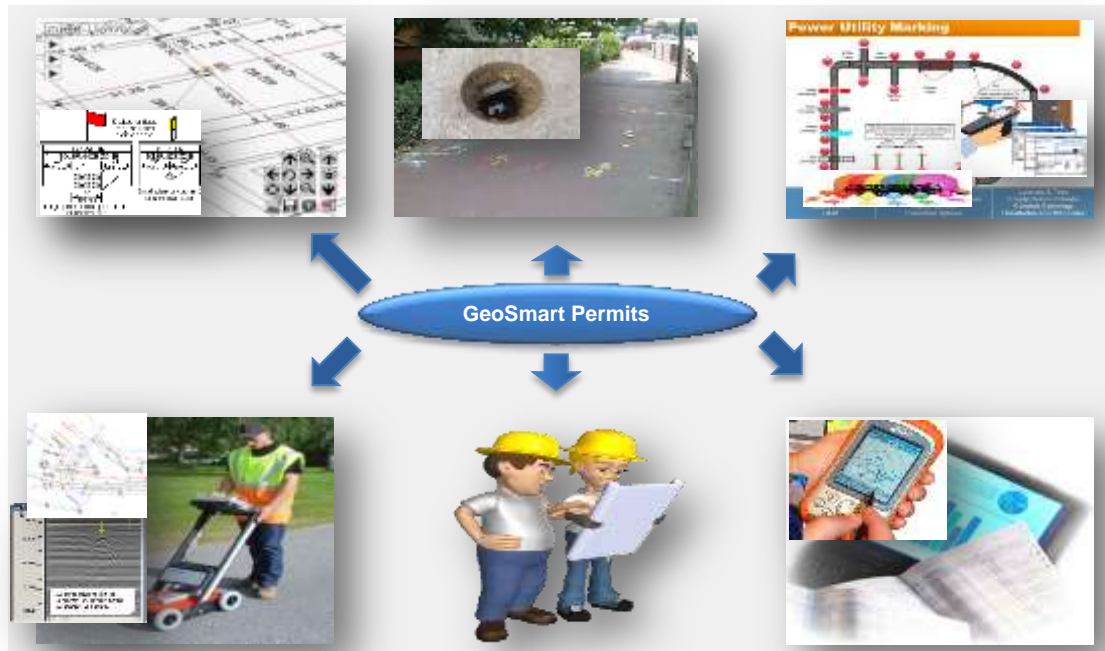
Collaboration with Information
Technology Authority for Geo
Enabling eTransformation Projects



GeoEnabled Web Application for
Decision Support System for Investors,
Government & Private Businesses



Our Initiatives



Unified GeoSmart Permit System
for issuing all types of permits in
collaboration with Municipalities

ONSDI Geo Cloud – A GIS Cloud
for Non-GIS Users

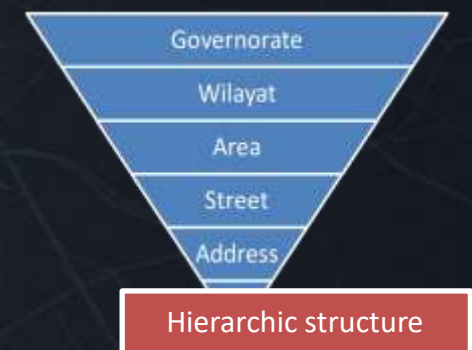
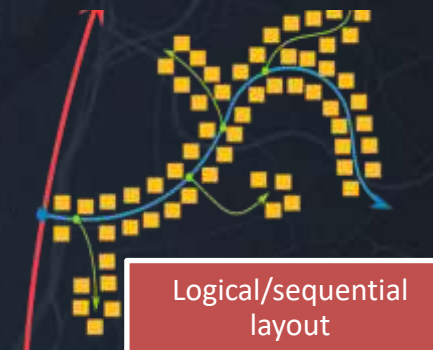
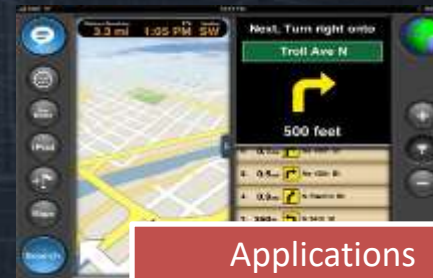


Unified Addressing System



Objective

- The Project aims to implement a Unified Addressing system across Sultanate of Oman
- All buildings, residents, offices will be provided an Address which will be available thru centralized Addressing Database
- Facilitates interoperability across multiple government



Post Implementation

Importance to Location Intelligence



THANK YOU

