







Qatar's GIS

Cooperation with Local Community

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Introduction

- I would like to thank the UN-GGIM Secretariat, the moderator of this exchange forum, and the members of JBGIS for setting up this forum.
- I also welcome and thank all attendees from organizations, companies and industry representatives.



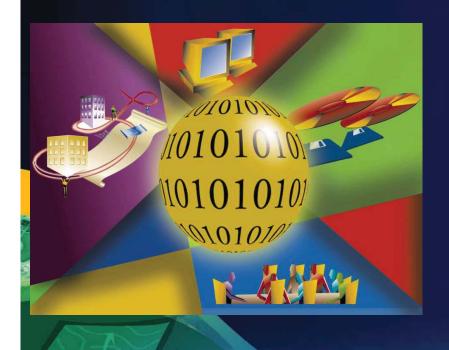






Most important elements of Qatar's GIS

Since its inception twenty years ago, Qatar had adopted five elements that led to its success:



- Establishing The Centre for GIS (CGIS)
- 2. Common Standards
- 3. Data Sharing
- 4. Inter-Agency Coordination
- 5. Nationwide Digital Mapping Program









Prelude

- Qatar had ground-breaking strides utilizing geographic information systems country-Wide.
- Our implementation is sought after by several countries.
- Our GIS setup is as valid as it has always been because its basic elements are well founded and are evolving with new technologies and trends.









National Endeavors with GIS playing a major role

Following are examples of endeavors in Qatar relying heavily on geospatial input:

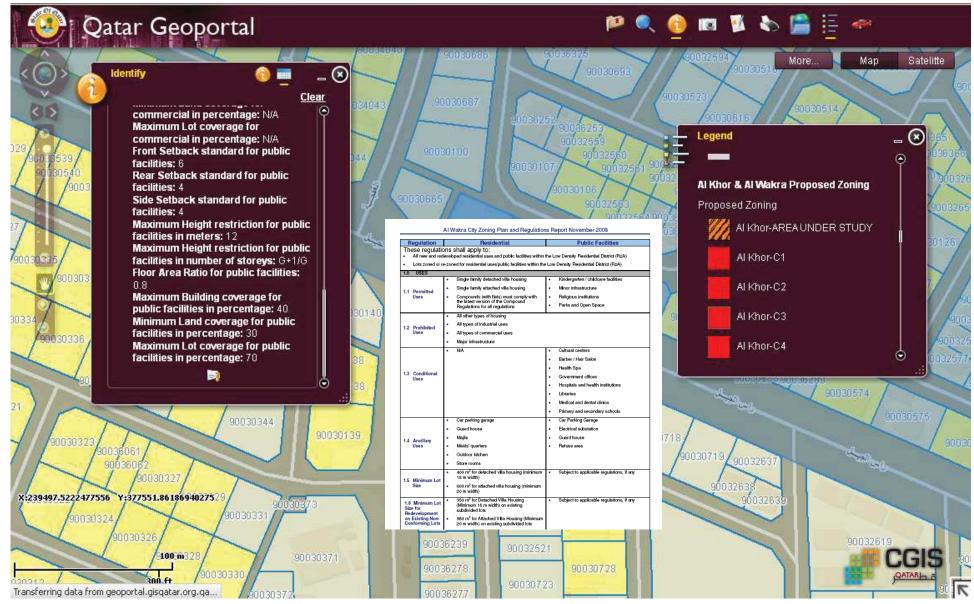
- Qatar's National Vision 2030
- Qatar National Development Framework (QNDF)
- The Qatar National Master Plan Project (QNMP)
- Qatar Area Referencing System (QARS)
- Transportation Master Plan of Qatar (TMPQ)











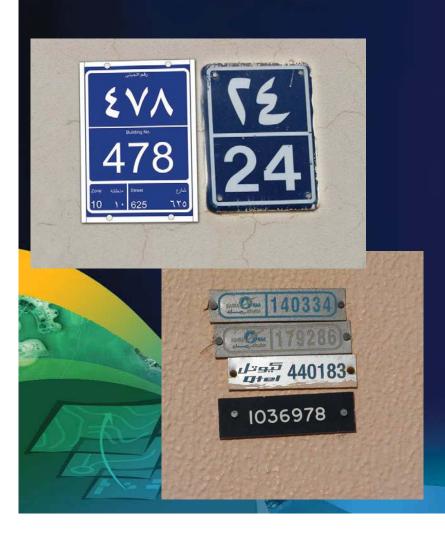








Qatar Area Referencing System - QARS



- Created a comprehensive database that serves the requirements of all concerned agencies in Qatar by using GIS to link the new property number with its geographic location and the numbers from other agencies. (QTEL, Electricity, water, PIN Number, etc.).
- This shows that the project is not just installing property number plates.









Qatar Area Referencing System - QARS



- Applications and services resulting from the project are many.
- They include: Security, Traffic and emergency response systems, trade, statistics, education, municipalities, Post and several others.









Cooperation with Industry and Local Community

CGIS provides data, Acquires services and works on joint projects with the following sectors:

- Education and Research institutes
- Private Companies in GIS industry and solution providers
- Semi government organizations and companies









Education and Research Institutes

- Established GIS program at Qatar University.
- Support for research and on premises projects for Qatar University
- Support for research by several universities Located in Qatar.
- Provided data and joint projects with Qatar Science and technology Park.









Private Companies in GIS industry and solution providers

- Signed an Enterprise License Agreement with ESRI through its local distributor.
- Working on a joint project for building navigation data with more than one company.
- Acquiring aerial imagery, Satellite images and updates of 3D and vector data through local and international companies/consortiums.
- Establishing CORS network with specialized Surveying and GPS companies.
- Other









Semi government organizations and companies

 Cooperation, Providing Data, GIS software Licenses and training to Qatar Rail, Musheireb, Lusail, Barwa, QP, Pearl Qatar, etc.









Areas we are focusing on



- Increased adoption of web services which cuts down cost, increases and diversifies the range of users.
- Increased adoption of mobile applications which delivers geospatial services to the masses (Al Murshid).
- Utilizing GIS in planning built and natural environments in an integrated process taking into consideration sustainability and resources management.









