ENHANCING GIS TO EMPOWER ADSSC BUSINESS GOALS

Industry Track Presentation
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By:

NADER BIN TAHER
Strategic Planning and Communication Department Manager
Asset Performance Department Manager

MOHAMED ABUZAID
GIS Projects Coordinator – GIS Section - APD

شركة أبوظبي لخدمات الصرف الصحي
Abu Dhabi Sewerage Services Company

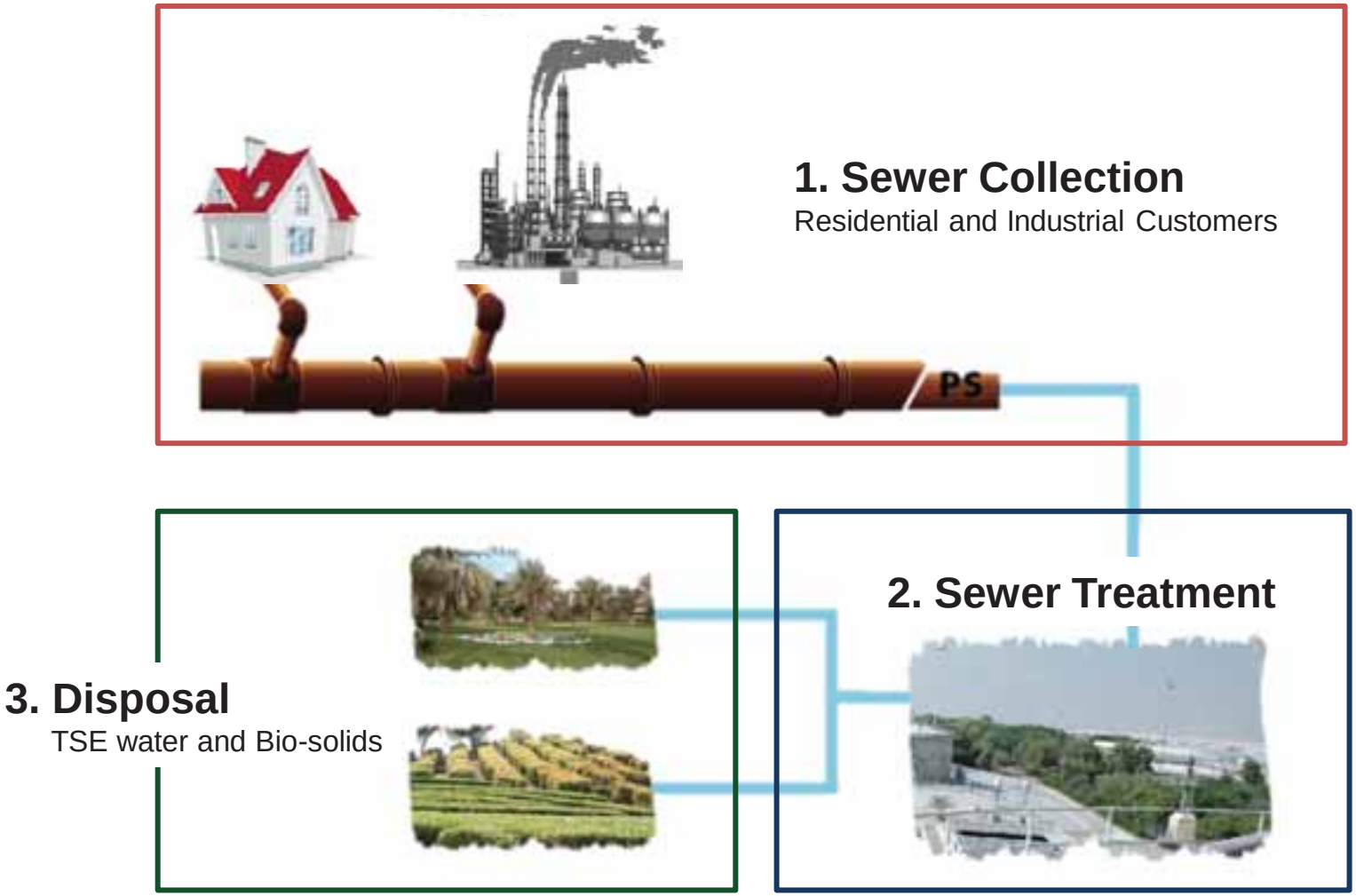
About ADSSC

- ADSSC is a public organization established in June 2005 by the government under the umbrella of ADWEA.
- In September 2009, ADSSC was re-established as an independent organization owned by Abu Dhabi Government.
- Prior to 2005 ADSSC was operated and maintained by the Municipalities of Abu Dhabi and Al Ain.

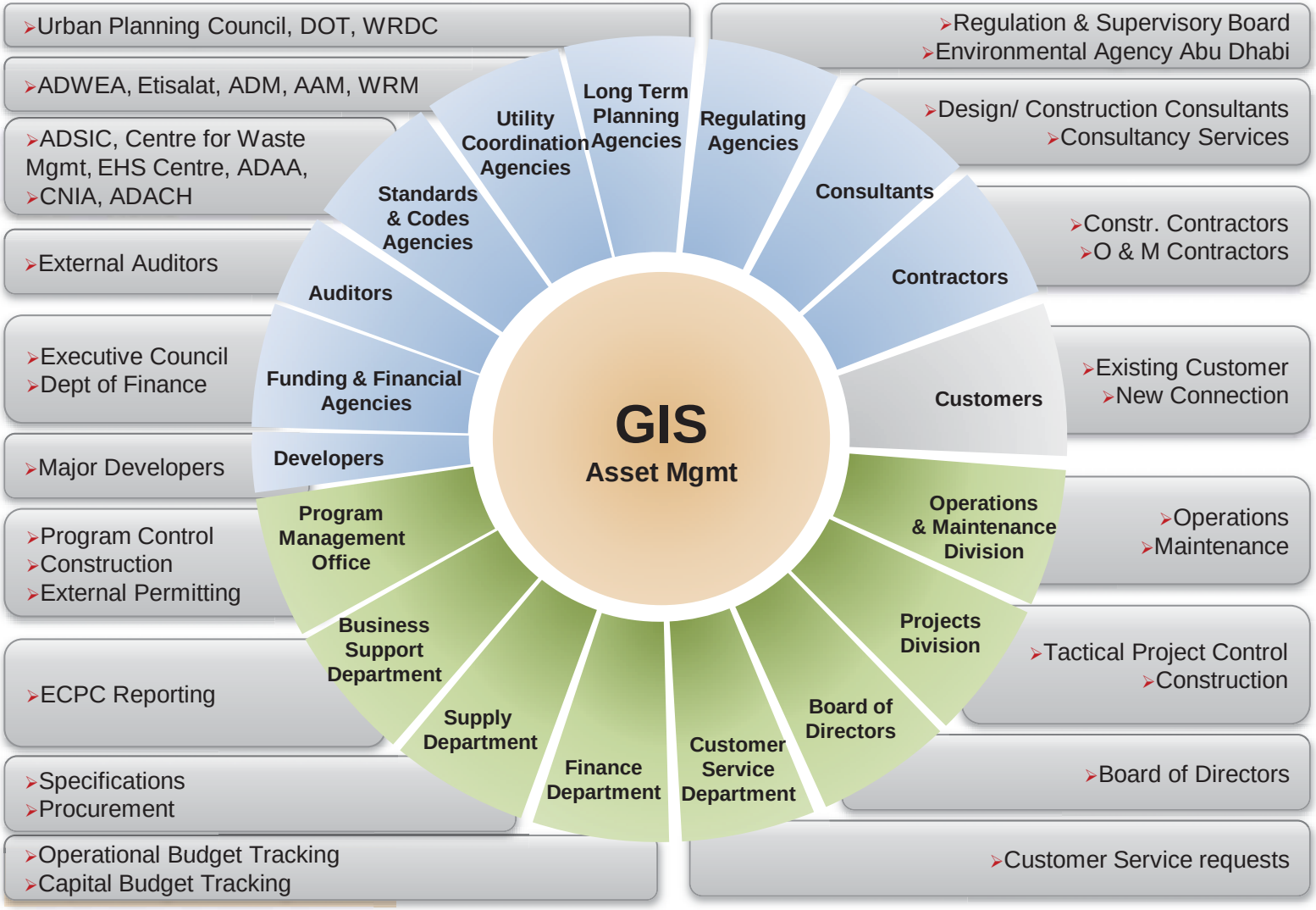
Regulation Prospective

- The higher-level mission involves protecting the environment, public health and customer interests by regulating the activities of waste-water collection, treatment, and disposal.
- ADSSC's sewerage infrastructure service the majority of the population of the Emirate of Abu Dhabi and meet the needs of local businesses and industry.
- The system is operated in such a manner as to prevent environmental impact and public disturbance.
- ADSSC provides a sustainable supply of water for irrigation of agricultural and landscaped areas in the Emirate.

What we do?


1. Sewer Collection
Residential and Industrial Customers
PS
2. Sewer Treatment
3. Disposal
TSE water and Bio-solids

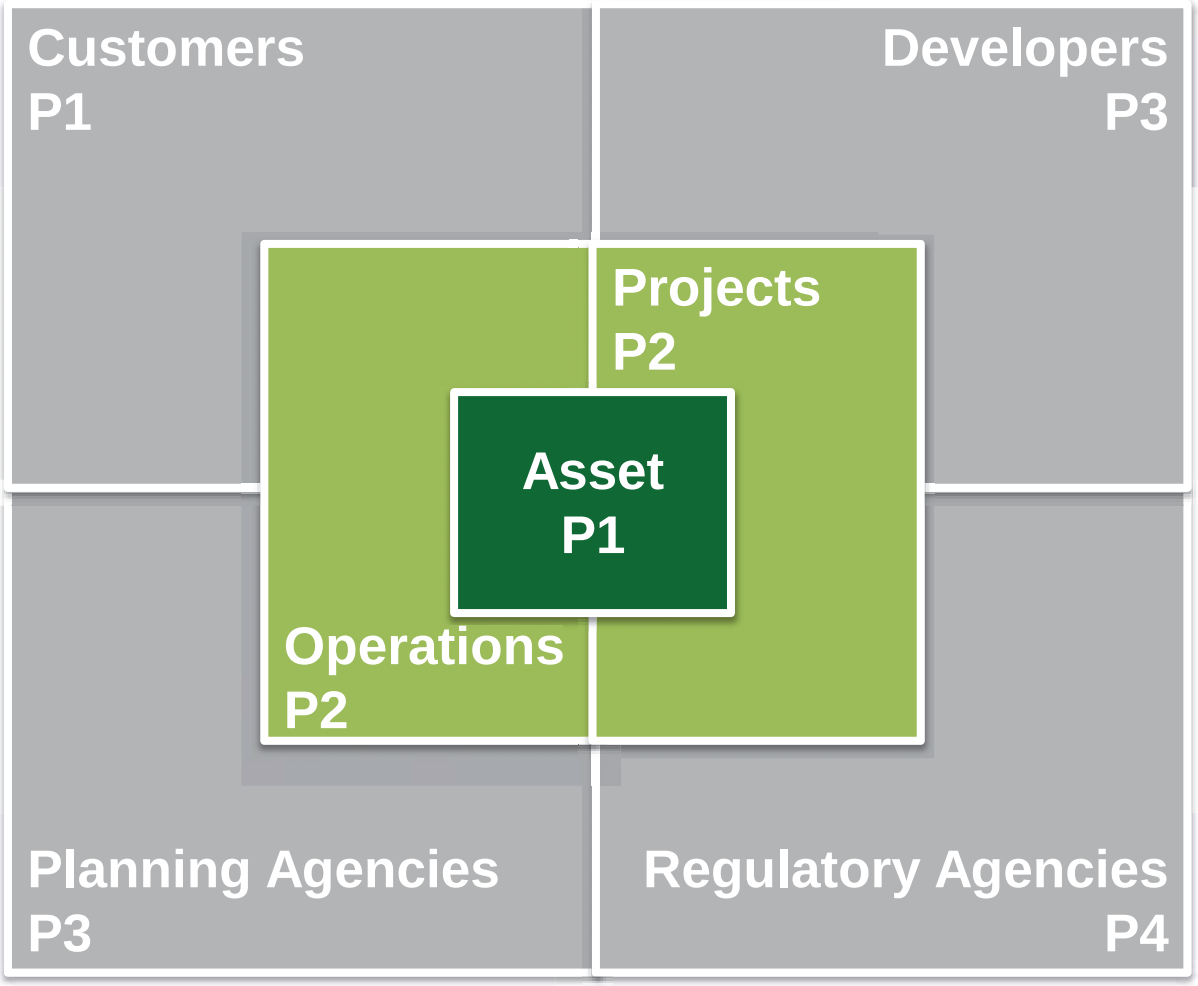
Our Stakeholders


GIS
Asset Mgmt
Urban Planning Council, DOT, WRDC
ADWEA, Etisalat, ADM, AAM, WRM
ADSIC, Centre for Waste Mgmt, EHS Centre, ADAA, CNIA, ADACH
External Auditors
Executive Council
Dept of Finance
Major Developers
Program Control
Construction
External Permitting
ECPC Reporting
Specifications
Procurement
Operational Budget Tracking
Capital Budget Tracking
Utility Coordination Agencies
Long Term Planning Agencies
Standards & Codes Agencies
Auditors
Funding & Financial Agencies
Developers
Regulating Agencies
Consultants
Contractors
Customers
Program Management Office
Business Support Department
Supply Department
Finance Department
Customer Service Department
Board of Directors
Projects Division
Operations & Maintenance Division
Regulation & Supervisory Board
Environmental Agency Abu Dhabi
Design/ Construction Consultants
Consultancy Services
Constr. Contractors
O & M Contractors
Existing Customer
New Connection
Operations
Maintenance
Tactical Project Control
Construction
Board of Directors
Customer Service requests

Why Spatial?

- ADSSC's calculation of money received from government (Maximum Annual Revenue) is largely influenced by the value of the fixed asset register
- ADSSC's primary asset base is under stress and in need of major upgradation
- ADSSC's current infrastructure is deemed inadequate for future growth and is being actively enhanced through major capital projects that are aligned with Abu Dhabi Vision 2030
- ADSSC's needs to adhere to KPIs stipulated in the Annual License and Performance Contract that require it to be responsive to outages and clearance requests among others.

Priorities



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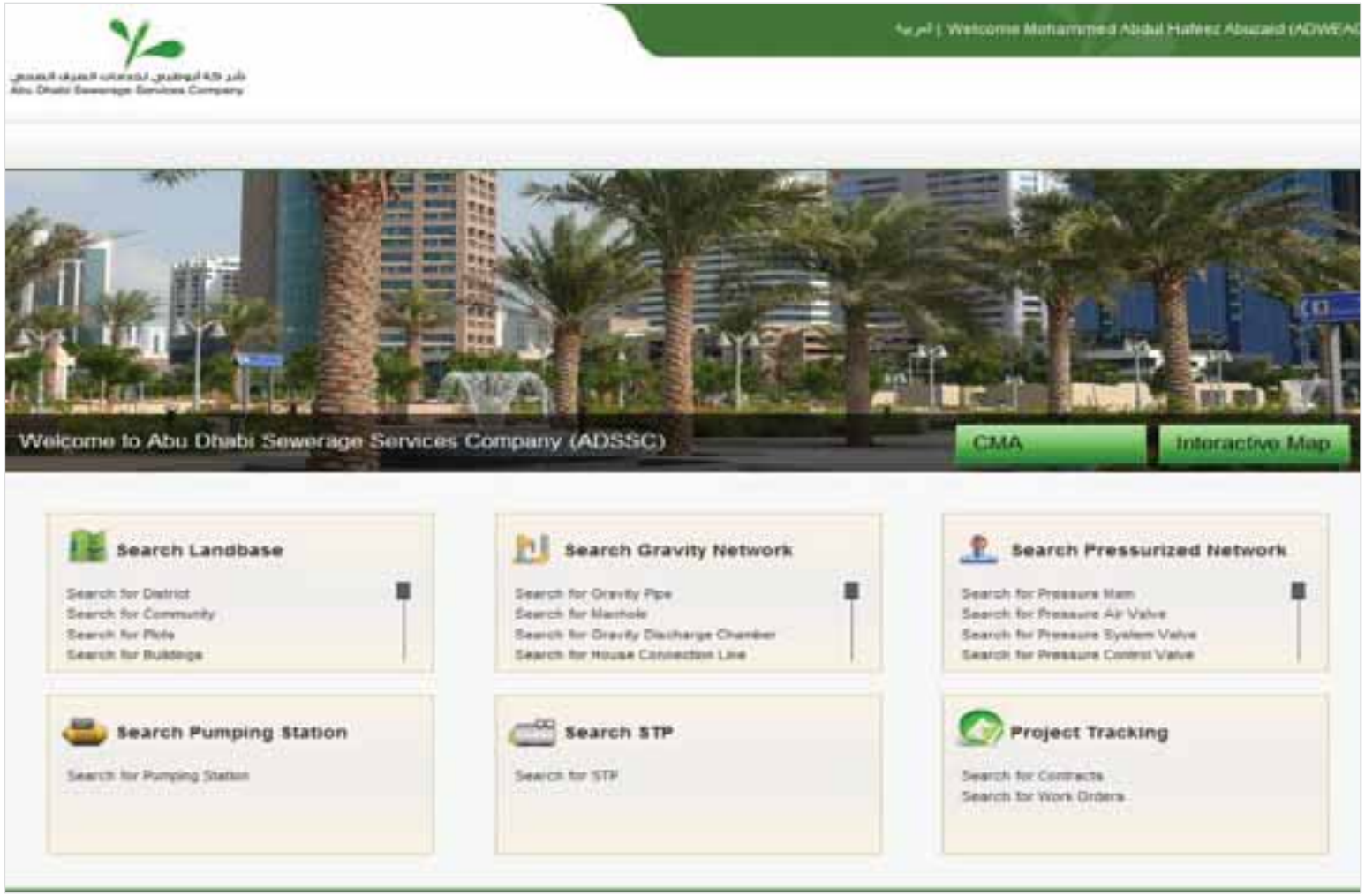
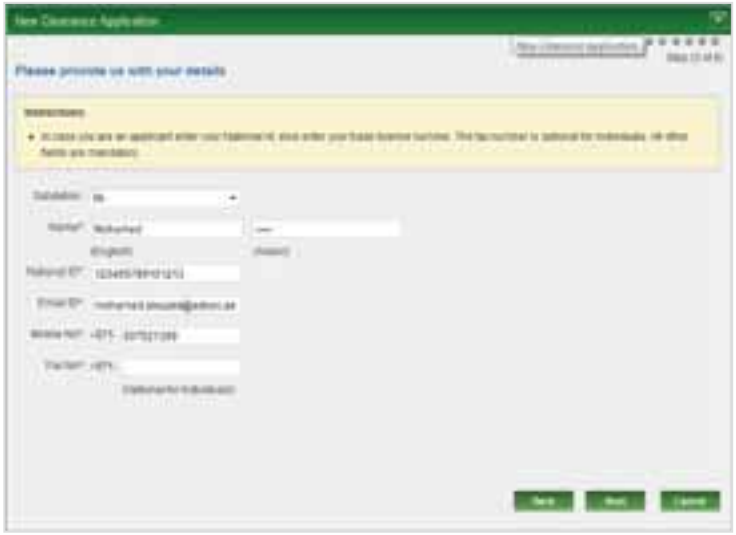
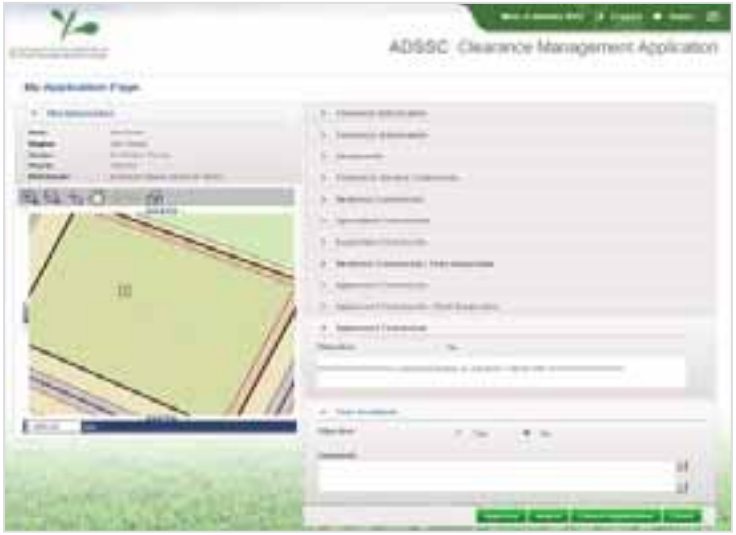
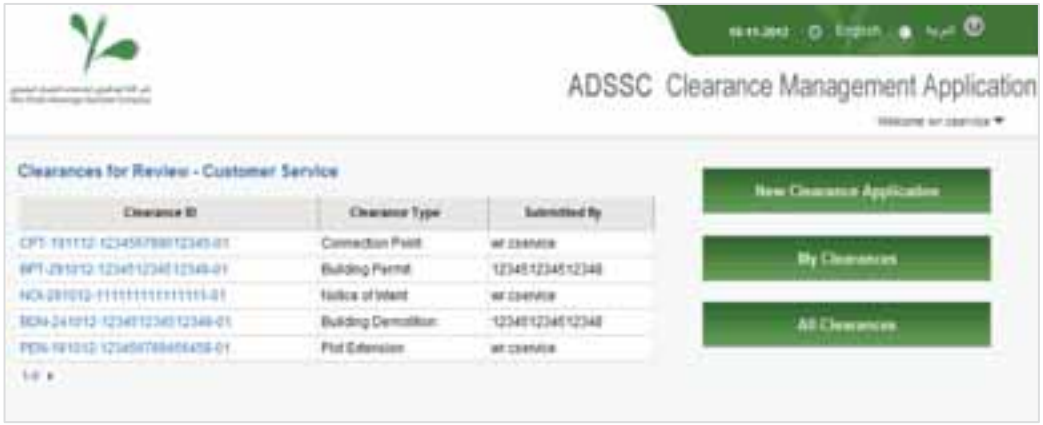
	Stakeholders		What they are looking For	Solutions	Phase
Internal	Asset Management Division (AMD)	GIS	Latest Technologies to boost performance and Data Sharing	Web GIS, Shared Web-services	Ph 1,2
		TSS	Automation of business processes- spatial attached	CMA, PPT, DMS	Ph 1,2
		Planning	On spot updates of future assets based on approved plans	PPT, CCTV, DMS	Ph 1,2
		Asset Register	Frequent updates on the company asset register- spatial presented	CCTV, Interface to AR	Ph 1,2
	Projects Division		Tracking of projects progress Access to projects attachments	PPT, DMS,	Ph 1,2,3
	O&M Division		Access to projects attachments Managing sewerage outages	DMS, OMS, Maximo	Ph 1,2,3
C	Customers		Friendly interface that allows them to submit / check their requests status	CMA, OMS	Ph 1,2
External	Developers		Asset Submission, SIR/MoU, Data Extract, Design Collaboration, Projects Tracking, Clearances	Developers GIS Portal	Ph 2,3
	Planning Agencies		Data Extract, Design Collaboration, Projects Tracking, Clearances	Planning Agencies GIS Portal	Ph 2,3
	Regulatory Agencies		Asset Submission, ECPC KPI's, RSB KPI's	Regulatory Agencies GIS Portal	Ph 2



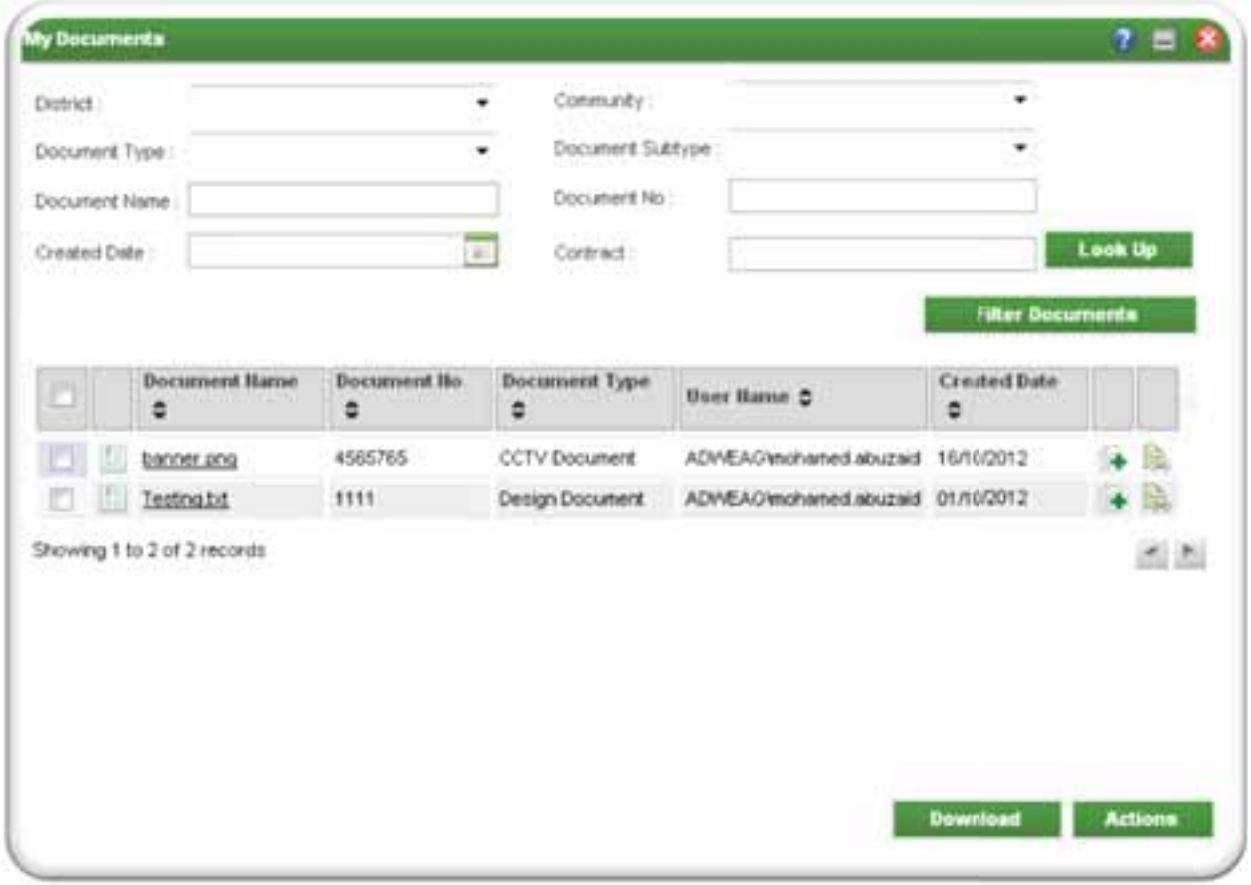
ADSSC Web GIS Home Page







ADSSC Clearance Management Application



ADSSC Document Management System

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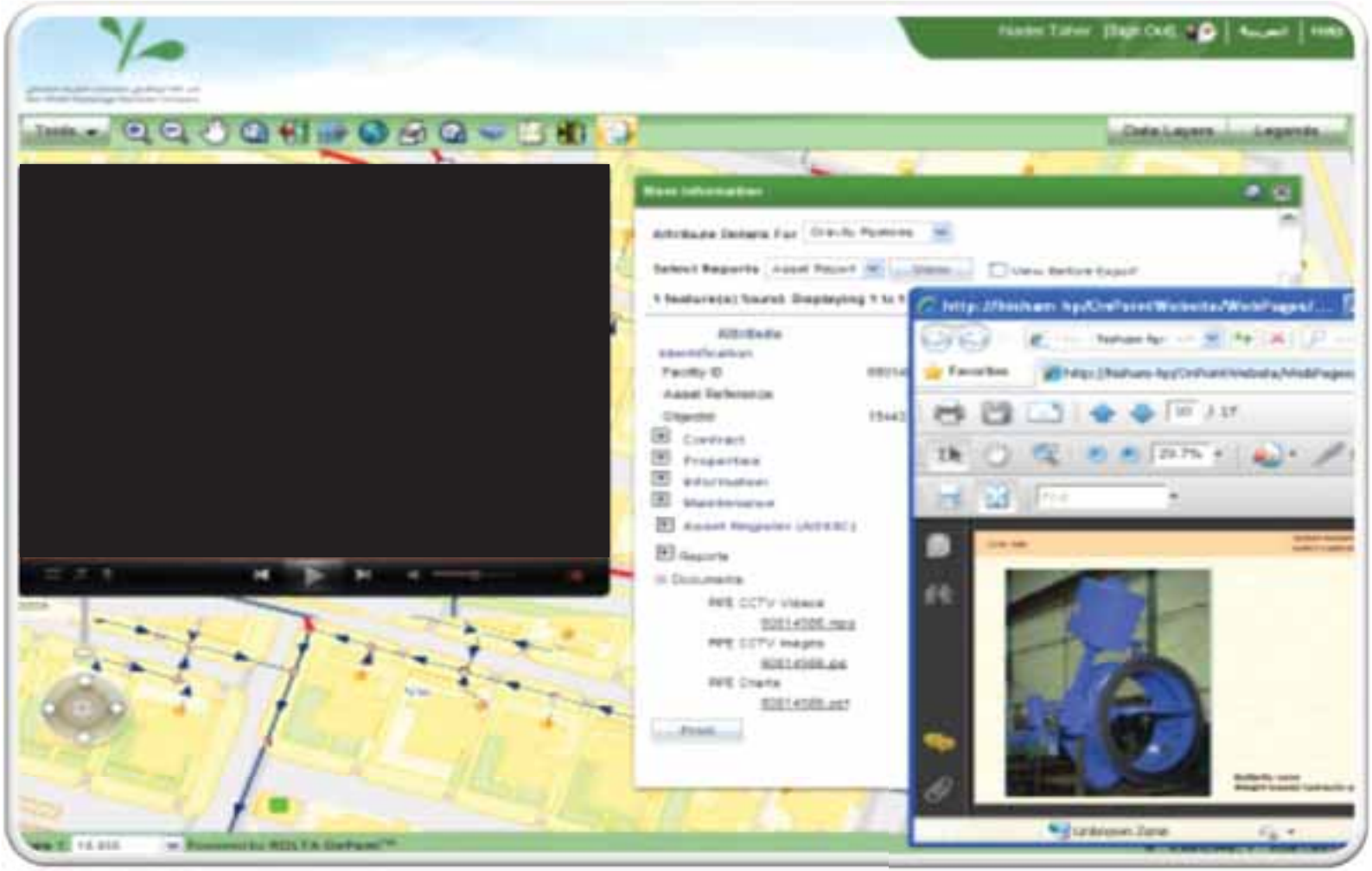

Interface with CCTV

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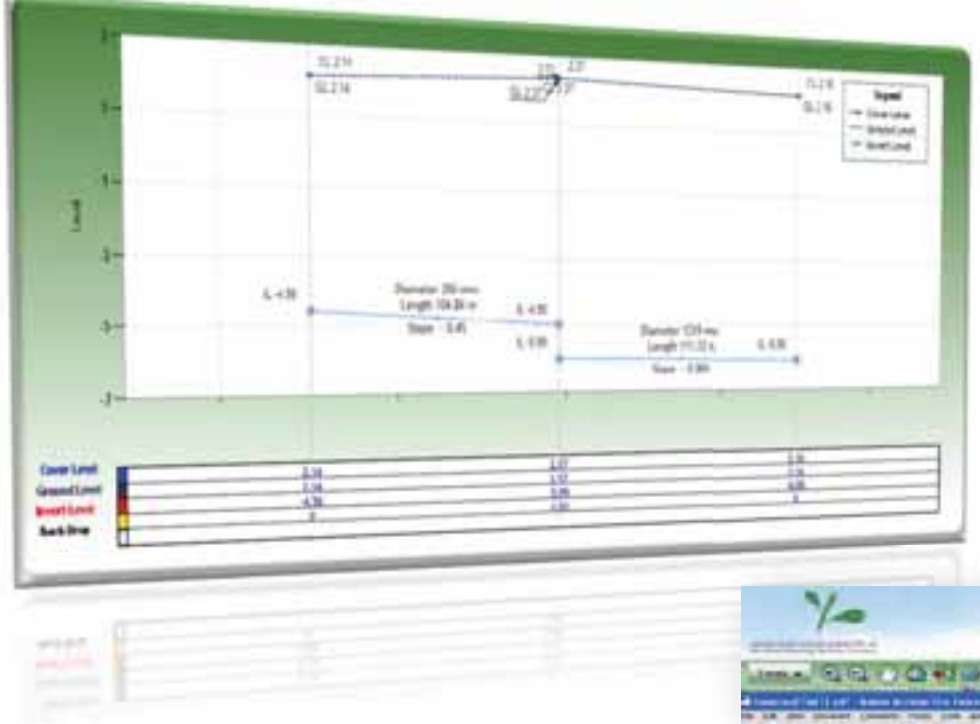
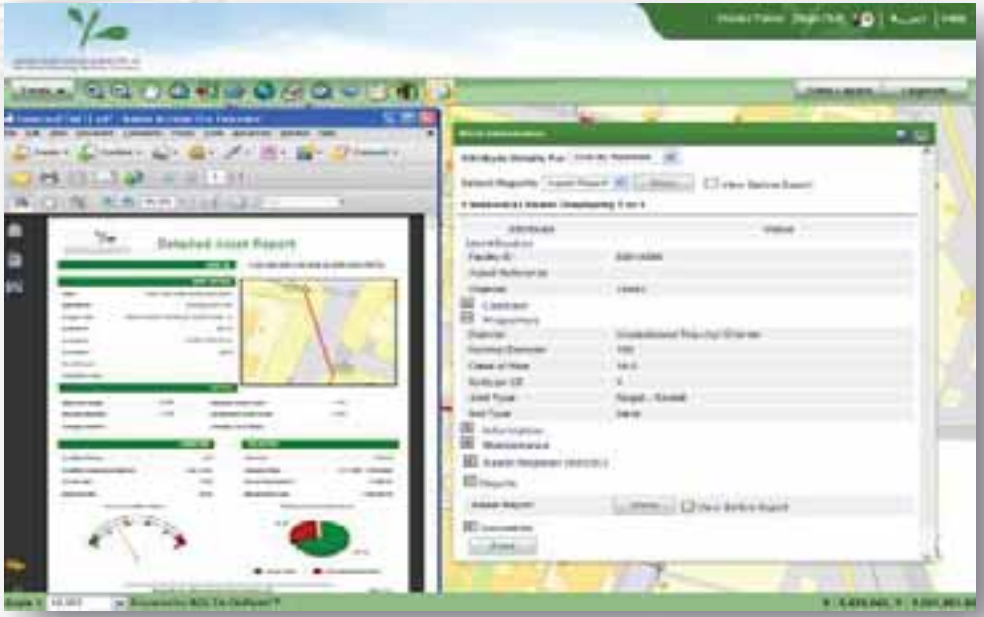
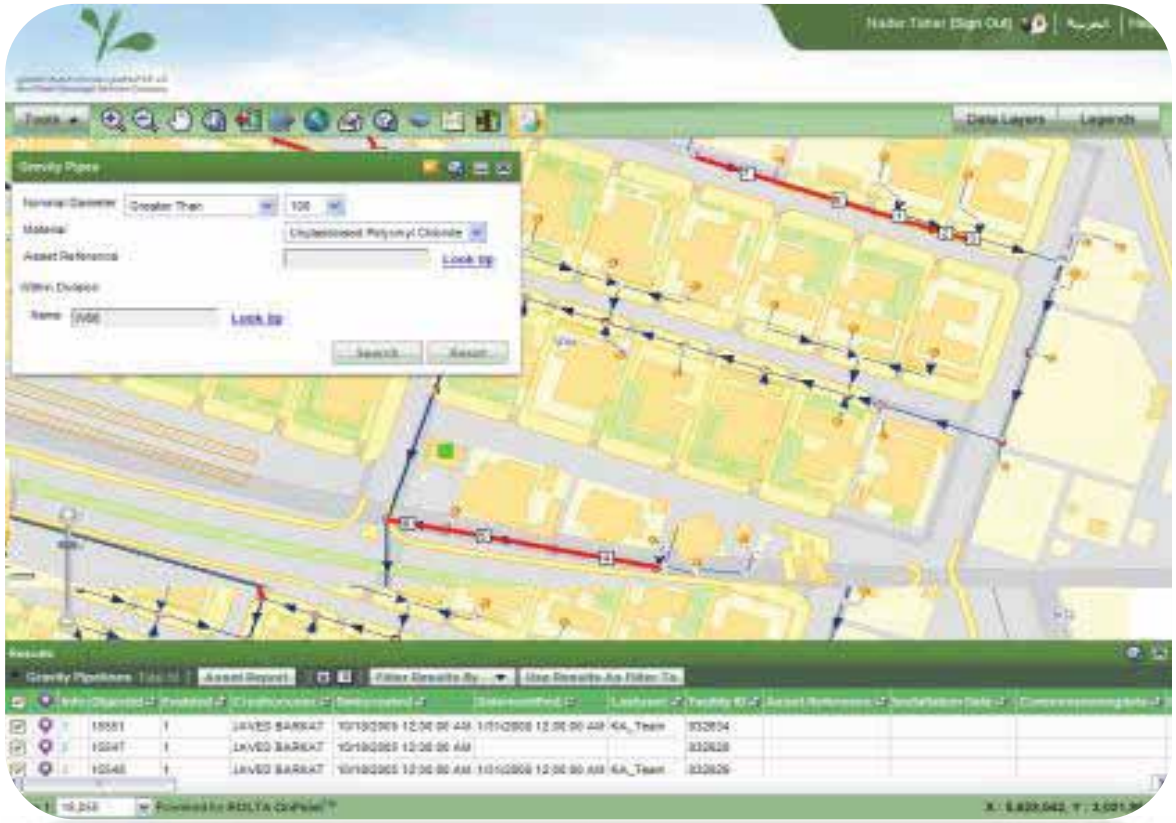


Profile Viewer

Interface with Asset Register





Project Planning and Tracking

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GIS

APPLICATIONS TOUR