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About ITRoots

ITRoots is IT Solutions Company located in Egypt, established with specific objectives of becoming a leading solutions provider and re-engineering expert. We understand the challenges of the increased competition within the software industry. Thus, we offer high quality and timely solutions in a cost-effective manner. We offer professional services in the areas of software and re-engineering consulting, development, implementation, support for large projects and products. Besides that, ITRoots considered one of the highly experienced augmented reality and GIS solutions providers in the market.

Innovative ideas, long-standing experience, expert knowledge, high quality, suitable pricing, in-time delivery, honesty and commitment to professional standards are the engines that drive the potential and power of our company.

Manpower



Adding all the accumulated expertise in ITRoots, one would find two views of experience in the IT field (Software, Specialized hardware), which has along with our ongoing policy of top quality.

Furthermore, the academic background of ITRoots 30+ staff ranges from Bachelors to PHD degrees, while that of the technical staff essentially has a diversified engineering background including Computer Science, contingency planning, emergency preparedness, crisis management, Urban Planning, Civil, Architecture, geology and Electronics. All of this has supported our business scope of building highly specialized CIT solutions that can penetrate easily the local and the regional markets.

Vision

To be one of leading companies in the Middle East region providing professional software and re-engineering consulting, developing, implementation services, and highly experienced GIS solutions.



Mission Statement

Our mission is to lead the regional CIT industry by providing innovative services, value-added products and IT solutions with strong emphasis on infrastructure projects that will add value to both its shareholders and the economy. This goal can only been achieved by providing customers with a variety of solutions, precise and quality wise.



Our Services

















Internal Structure

Our organization is adopting the concept of matrix organizations; therefore, we have several functional departments and a technical projects department which manage the projects after being assigned to a functional team. Each project has a definite cycle through our departments starting from needs generation and assessment until delivery of the project. For this, our departments are as follows:

- O Software Development Department: research, presales and development activities.
- Business Development Department.
- Sales and Marketing Department.
- Technical Support Department.
- Training Department.

Our Experience

ITRoots provides high-quality custom software development and support services. We are experienced in:

- Project Management.
- Business Analysis and System Design.
- Solution Development:
 - Software Re-Engineering.
- GIS Applications (ex. GIS Portals, Tracking, Navigation, and Spatial Data Modeling.
- Internet and Intranet applications (ex. Workflow Automation, SharePoint Portal Customization, E-Commerce, and Website Development).
- Mobile Applications (Android, iOS and Windows Mobile).
 - CRM, especially Siebel for Public Sector.
 - ERP, Designed for automotive business.
- Archiving especially EMC2 Products and Backlog Operations.
- Training programs:
 - Capacity Building.
 - Establish "Center of Excellence".
 - On-Job Training, for our developed solutions.
 - Technical Courses.
 - Soft Skills and Management Skills.

Hands on Experience

















































Products

PM-Cloud

Development Platform:

■ ASP.NET-MVC / C#

☐ DB: Oracle 19c

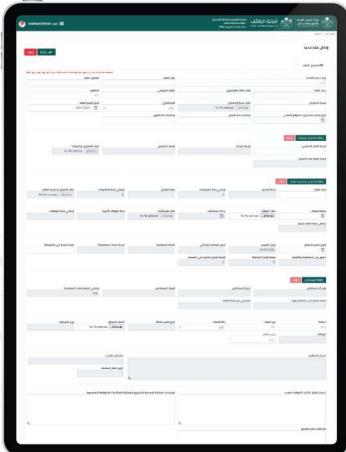
■ Microsoft Power BI

Solution: Implemented as Cloud Based Project Management platform, which is hosted on cloud or on-premises.

Main features:

- Manage project, contractor and sub-contractors.
- Manage schedule: monitoring, evaluating and reporting on schedule delay.
- Manage contracts, bill of quantities, and status based on actual work and deliverables.
- Manager cost:
 - Funding by portfolio and project.
 - OUser-defined budget code structure with any number of code levels.
 - Multiple methods for creating cash flows.
- Workflow Management: electronically route and track virtually every project and asset-related document.
- Document Manager.
- ☐ Integration with Business Intelligence platforms (Microsoft Power BI and Qlik Sense).
- Client: Taif Municipality (Partner: Projacs International).





4S Plus (Automotive ERP)

4S Plus is an ERP system to support the main modules of automotive industry, which are Sales, Service (after-sales), Spare Parts & Survey (information feedback to various automanufacturers).

Main Modules:

- ☐ Sales management includes vehicle sales and vehicle purchase management. It covers functions for insurance operations, vehicle trade-in, warranty and pre-delivery inspection (PDI) management.
- ☐ Service management provides service offer management, service scheduling and time tracking. Manage multiple location services, Set up service packages for service operations. Service management function provides service history management and service works warranty management.
- ☐ Spare part management provides non-stock catalogue integration, item substitution, item booking and bar codes to manage spare parts. Mobile compatible DMS system allows using mobile devices for mobile sales.
- □ Customer relationship management (CRM) for automotive industry in 4S includes CRM functions like loyalty management, contact management, task management and sales opportunity management. Automotive CRM function supports full marketing, pricing & discounting possibilities.
- □ Inventory management for automotive business in 4S consists of functions like spare part budgeting, automatic spare part replenishment and centralized spare part purchasing. Inventory management supports multiple stock location management.



- ☐ Finance management includes fixed asset management, cash management and bank account management. It covers any accounting and taxation processes and lets to set and control financial budgets. For international automotive business, 4S ERP allows to manage multiple currency deals and run multi-company business.
- Business intelligence (BI) and reporting tools for automotive industry in 4S ensures spare part reports, inventory reports as well purchase, finance and service reports. Use mobile devices and get mobile reporting for automotive business. 4S BI and reporting function includes sales & loyalty management and intrastate reports.
- Clients: AlDahayan Trading Company.

 Mohammad Saleh ALHalawani Co. Ltd.
 BIN Delbah Trading Company.
 Alzugdi Co.
 Saleh Al-Zaidy Toyota.
 - Alhumaidi Motors.

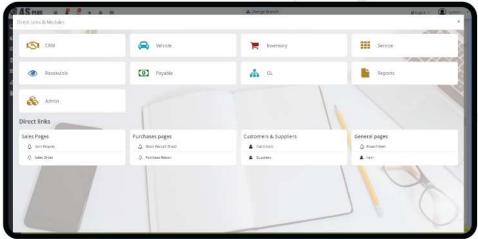
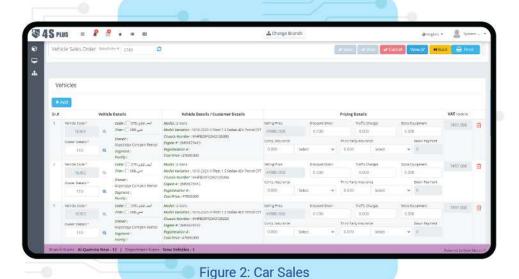


Figure1: System





A Charge Branch

A Char

Figure 3: Job Card

Figure 5: Deposits

▲ Change Branch

Item Query ownst:

Item Enquiry Selection

Item Enquiry Worksheet

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بورتس اند ان لاند سيرفيس

Clients: DISE (MAERSK sister company)

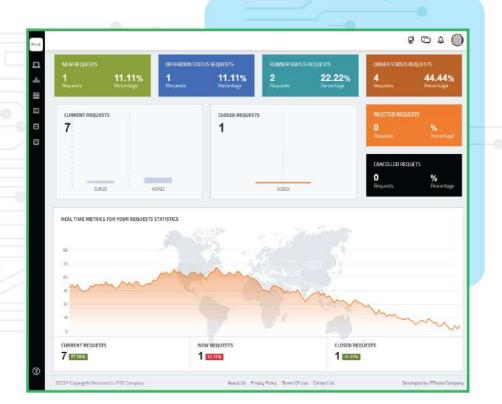
NWRS

Sector: Business, Egypt

Duration: 18 Months

Development Platform:

- ASP.Net MVC
- SQL Server
- ☐ iOS
- Android



PORTS & NLAND SERVICES EGYPT

Solution: To ensure smooth products end-to-end delivery, with a strong inland transportation service in one single platform. Managing the inland services connecting key inland service points and major container ports with each other and to the rest of the world. Automating and enhancing all procedures, viewing live updates to monitor the status of freights during transport. Quickly check on the shipment 24 hours a day with a simplified tracking tool. PISE operation system built to digitalize the trucking and tracking processes, reduce operational cost and flows, providing the trucking business with needed technology for digital transformation

- Intelligent control tower dashboard
- Driver Behavior Management
- Route Optimization
- Custom Mapping
- GPS Vehicle Tracking





iSignage Pro

iSignage Pro platform used for creating, deploying, measuring, and managing interactive digital experiences. Create amazing highly functional multi-touch applications for any screen and any audience, without coding. Powers your screen with dynamic content, which instantly engages your target viewers. With iSignage Pro you can create, design and schedule content easily. Use attention-grabbing media like videos, images, PDF files, Office docs, data dashboards and social media to get your message across to the people that matter most to your business.

Main features:

- ☐ Distribute content and ads across a network of any size with automated digital signage software.
- Empower local teams to easily display beautiful custom digital signage messages.
- Automated scheduling for easy messaging.
- ☐ Little training required, any user could quickly create and display unique content on their screens.
- Accurate insight into your screens, make informed decisions about what appeared on your screens.
- Build a successful digital signage network.
- Integration with organization's Active Directory.

Clients:

- First Tent, Saudi Arabia.
- ESCL, Saudi Arabia.







GeoBank

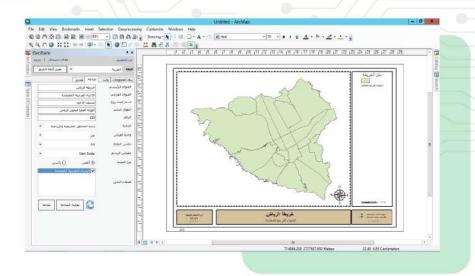
Developed as ESRI extension to ArcGIS for Desktop (Supported versions ArcGIS 10.x).

Main features:

- ESRI extension, which leads to have updates and batches due to business needs.
- ☐ Hide server connection parameters to disable direct access to GIS data source (ex. SDE).
- ☐ Allow administrator to have a logical structure of the data, which is easy for user and hide complicated physical database design.
- ☐ Enhance security control; Avoid limitation of applying security level on physical dataset and allow administrator can give user permission on feature class level.
- □ Support multi-level administration authority, (ex. organization may have super admin and administrator for each department).
- □ Support multi-language: Administrator is able to add language and all forms content translated using Google translation service with ability to modify it; application installed with both English and Arabic language packs.
- ☐ Powerful search engine, allow user to search for layer using layer name, description and metadata keywords (in any language).
- ☐ Dashboard and reports enable system administrators and decision makers to track the usage of the data.
- ☐ Centralize look and feel of GIS data through prepared layer files published by administrators.
- Integration with organization's Active Directory.
- Client: Royal Commission for Riyadh City (RCRC), Saudi Arabia.
- **Note:** Application copyrights registered please refer to section "Certificate of Copyright Registration".







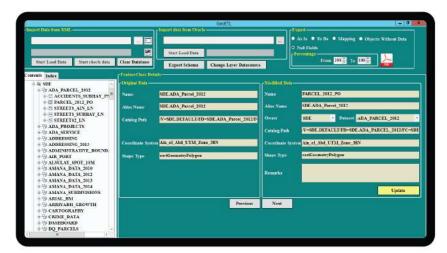


GEO ETL (Extract – Transform - Load)

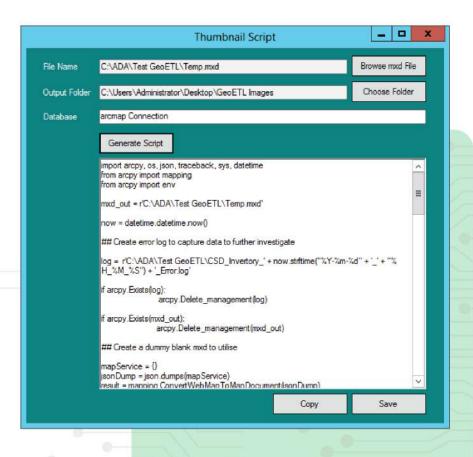
Automate data migration, and to modify data model with ability to show mapping between old and new data model, and generate python script to transfer data from old data model to new data model.

Main features:

- Connect to SDE exported XML schema, and compare it to Oracle.
- Show data model in tree, with the same look and feel of ESRI ArcGIS for Desktop.
- Modify schema (Add/Update/Delete).
- Automatically remove empty objects from old data model.
- ☐ Check schema, to examine if it violates rules implemented in objects' naming.
- Powerful search engine to find any objects in the data model.
- Generate PDF Reports.
- Client: Royal Commission for Riyadh City (RCRC), Saudi Arabia.
- Note: Application copyrights registered please refer to section "Certificate of Copyright Registration".







Correspondence Tracking and Management System

Development Platform:

■ ASP.NET-MVC / C#

DB: Oracle or MS SQL Server

Solution: Implemented as web solution to make it an easy task to connect from wherever with only web browser.

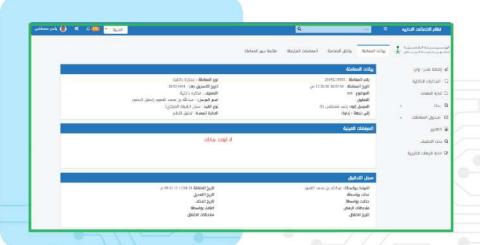
Main features:

- All basic correspondence tracking features, including:
 - All correspondence organized into electronic folders.
 - O Folders contain: coversheet, assignments, and notes.
 - Correspondence classified by user designed categories.
 - Assignments classified by user designed actions.
 - O Dates tracked.
 - O Ability to search folders, assignments, notes.
 - Ability to query by combinations of search keys.
 - O Database of "standard" correspondents.
- Security features:
 - O Add a watermark on each opened document with User ID.
 - Allow/deny print/download attachments.
- ☐ Standard reports on open/past due/completed correspondence/completed assignments.
- Client: Royal Commission for Riyadh City (RCRC), Saudi Arabia



الهيئة الملكية لمدينة الرياض ROYAL COMMISSION FOR RIYADH CITY







Fleet Management System (AVL Tracking System)

The system consists of two functional parts:

O Surveillance Portal

A real-time tracking display of vehicle locations on Map, locations of vehicles and all relevant other data received in the data records monitored online. The update frequency is always in real time. It allows multiple user access and permits each user to function independently of the others. There is no practical limit to the number of vehicles monitored and displayed.

Administration Module

A centralized administration capability provided to allow a supervisor to create and maintain an asset inventory of vehicles and equipment; and supports associating and editing of unlimited attributes for agency vehicles.

Multi-language mode.



Figure 1: English Layout



- Basic GIS Functions:
 - Zoom in/Out, Pan, and full extent.
 - O Print.
 - Measurement Toolbox.
 - O Clear Map.
- Search Operations:
 - Search for a City/Governorate/District.
 - Search for a street.
 - Search for a service/landmark.
 - Search for location of a specific vehicle.
- Geo-Book Mark Module.



Figure 2: Search Result

- Tracking Options:
 - One Vehicle Tracking.
 - Multi-Vehicles Tracking.
 - Re-Play Tracking History.



Figure 3: Multi-Vehicles Tracking



Figure 4: Re-Play Tracking History

Notify user through showing alert at the web page, and sending email/SMS when:

- Exceeding the speed limit.
- Enter/Exit of the Geo-Fence defined.
- Other alerts defined based on the GPS device feature (ex. vehicle battery, seat belt ...etc).
- Geo-Fence Alert Module.



Figure 5: Draw Geo-Fence

- Reports & Charts:
 - Access daily or monthly driving reports for the last three months.
 - Standard periodical reporting:
 - -Total time traveled (per trip, period).
 - -Maximum recorded speed (per trip, period).
 - -Average recorded speed (per trip, period).
 - -Trip Details Report.
 - Exception reporting.
 - List of speeding (device, driver, location, speed) per group/period.
 - List of Geo-Fence violations (device, driver, location) per group/period.

Geo Sales Manager - Sales Force E-Supervisor (SFES) Solutions

Provide a range of tools to manage salespeople efficiently. With visibility over the movements of your sales force territories and their reports.

A business needs to provided with effective monitoring of the sales force, the solution monitors your salespeople during the working day via mobile phone. tracking provides a high level of protection and control.

For more information,

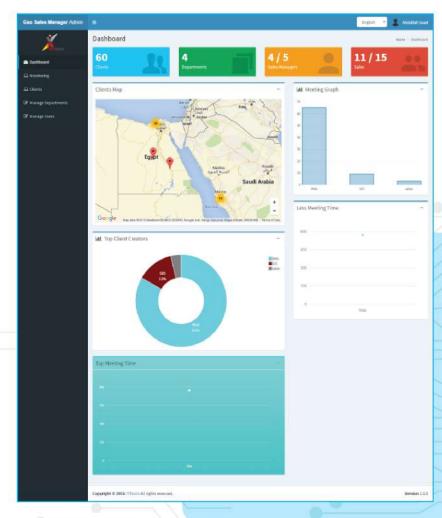
visit URL: https://www.geosalesmanager.com





Note: Application copyrights registered, please refer to section "Certificate of Copyright Registration".





Certificate of Intellectual Property (IP, Copyright) Registration







ITROOTS

Enterprise Projects

Monitoring and Follow-up the Hajj and Umrah Guests

8

Client: Ministry of Hajj and Umrah, (Partner: CAD&GIS Co., Ltd.)

Sector: Government, Saudi Arabia

Duration: 24 Months

Development Platform:

■ Web: ASP.NET MVC / C#, Web APIs

☐ Mobile Development (iOS: Swift, Android: Java)

GIS: ESRI Portal For ArcGIS

DB: Oracle 19c

DMS: Oracle UCM

The Ministry aims to employ the tools of transport planning, support monitoring, follow-up, Spatial operational plans with the aim of developing the transportation system of pilgrims and Umrah.





Project Scope:

- ☐ Updating and developing the Geo-Database of the system of transporting guests of Rahman, which is compatible with housing models in Mecca/Medina/Holy Sacred Sites and demographic distribution.
- Integration with plans.
- Operational plans, measures, policies, and modeling of road network optimal use.
- Building and standardizing digital templates and models for transport operational plans using modern planning techniques.
- ☐ Tracking and follow-up of fleets Buses.
- ☐ Schedule the Rahman movement according to the operational plans and determine the optimal alternative.

☐ Raising the level of coordination with the authorities concerned

with transport planning.



Aquaculture Survey & Environmental Impact Assesment (EIA) Automation & KPIs



Client: Ministry of Environment, Water and Agriculture (MEWA),

(Partner: AlMandaryah)

Sector: Government, Saudi Arabia

Duration: 6 Months

Development Platform:

■ Web: ASP.NET MVC / C#, Web APIs

□ DB: Oracle 19c□ DMS: FileNet





Solution: Designing a database for the field survey questionnaire automation platform and the EIA study questionnaire in aquaculture: to store the information related to the field questionnaire form and the EIA study questionnaire in aquaculture. This base consists of fields of identification, classification and full description of these forms together with the digital file in PDF form of the resulting study for each farm.

Dashboard of statistical indicators and performance measurement.

Training of Trainers [TOT] on managing the platform and data entry.



Municipal Sectors Knowledge Management (MAREFA)

8

Client: Ministry of Municipal and Rural Affairs and Housing

(MOMRAH), (Partner: Digital Geography)

Sector: Government, Saudi Arabia

Duration: 18 Months

Development Platform:

☐ Web: ASP.NET MVC / C#, Web APIs

☐ Mobile Development (iOS: Swift, Android: Java)

□ DB: Oracle 19c□ DMS: EverSuite



Solution: With the explosion of digital connectivity, government agencies all over the world are using ICT applications to increase productivity, improve accountability, enhance transparency and facilitate public sector reform. Improved knowledge management (KM) is essential to Ministry of Municipal and Rural Affairs and Housing (MOMRAH) at the national, regional or local levels, because it is a knowledge-based organization. KM is also become one of the initiatives within Saudi Arabia e-Government Plans.



The key roles of ITRoots are:

- Facilitate planning of KM initiatives.
- Provide technology expertise for KM activities and solutions.
- ☐ Capture of studies, reports and lessons learnt and best practices.
- Implement document / content management systems.
- ☐ Implement enterprise portal used as search engine.
- Implement mobile apps for both App Store and Google Play for accessing the collected knowledge.

URL: https://marefa.momra.gov.sa/



Objectives and Key Results (OKR) Digital **Transformation**



Client: Ministry of Municipal and Rural Affairs and Housing

(MOMRAH), (Partner: Digital Geography)

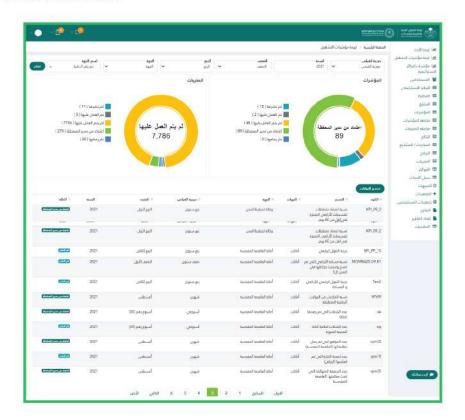
Sector: Government, Saudi Arabia

Duration: 12 Months

Development Platform:

■ Web: ASP.NET MVC / C#, Web APIs

☐ DB: Oracle 19c DMS: EverSuite





Solution: Objectives and Key Results (OKR) is a common management strategy for setting goals within organizations. The purpose of Objectives and Key Results is to connect organization, team, and personal goals to measurable results while having all team members and leaders working together in one direction.

Vision Realization Office at the Ministry of Municipal and Rural Affairs and Housing (MOMRAH) seeks the values of quality, customer focus, transparency and partnership, developing and updating model for the main objectives and results that are required to be provided by: agencies, secretariats.

The platform also aims to manage initiatives/projects, and manage tasks and meetings.



Balady Bayanat



Client: Ministry of Municipal and Rural Affairs and Housing

(MOMRAH), (Partner: Digital Geography)

Sector: Government, Saudi Arabia

Duration: 12 Months

Development Platform:

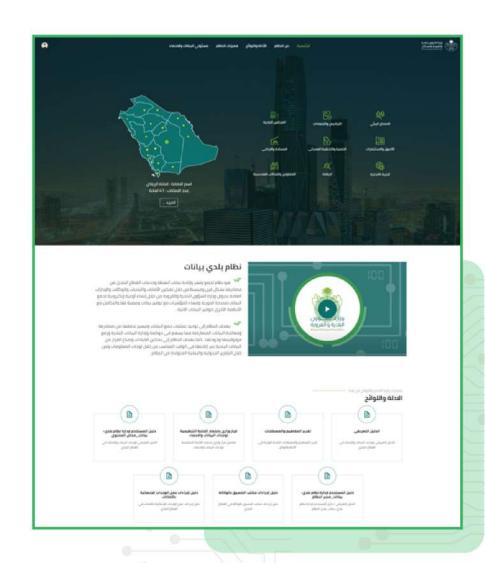
■ Web: ASP.NET MVC / C#, Web APIs

□ DB: Oracle 19c□ DMS: EverSuite

Solution: Believing in the Department of Statistics and Research at the Ministry of Municipal and Rural Affairs and Housing (MOMRAH) in its mission to provide updated statistical products and services with added value characterized by accuracy comprehensiveness, , the Department has been developing and updating data models required to be provided by: agencies, secretariats and municipalities This solution aims to present an interactive statistics platform to provide the administration's needs of data from municipalities, secretariats and agencies to contribute to the production of the annual/quarterly reports or the statistical book, through many advanced features that help in conducting data collection easily, and presenting the results through reports, graphs and maps of the Kingdom of Saudi Arabia and its administrative regions across various KPIs.

URL: https://bayanat.baladv.gov.sa/





Environmental Health Laboratory Information Management System (LIMS)

8

Client: Ministry of Environment, Water and Agriculture (MEWA),

(Partner: AlMandaryah)

Sector: Government, Saudi Arabia

Duration: 6 Months

Development Platform:

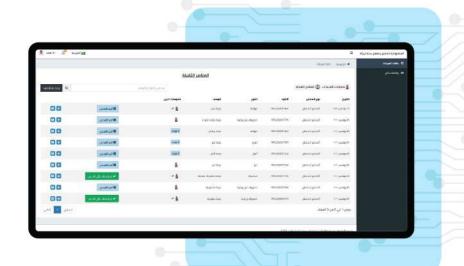
■ Web: ASP.NET MVC / C#, Web APIs

□ DB: MS SQL Server□ DMS: Oracle UCM





Solution: Laboratory Information Management System (LIMS) helps laboratories manage and track samples, orchestrate workflows, as well as store, analyze all laboratory data, improve access to quality diagnostic testing and provide accurate, timely information for customer care, environmental health planning and policy decisions. LIMS are recognized as a powerful tool to improve laboratory data management within the laboratories and reporting of data externally.



Dig Electronic No Objection Certificate (Dig E-NOC)



Client: Holy Makkah Municipality, (Partner: Digital Geography)

Sector: Government, Saudi Arabia

Duration: 24 Months + 1 year support

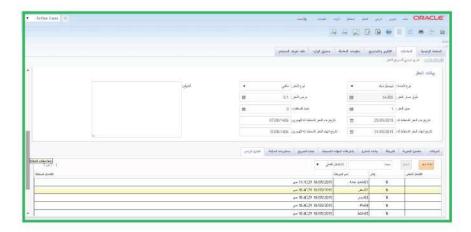
Development Platform:

☐ Siebel Public Sector 8.2.2

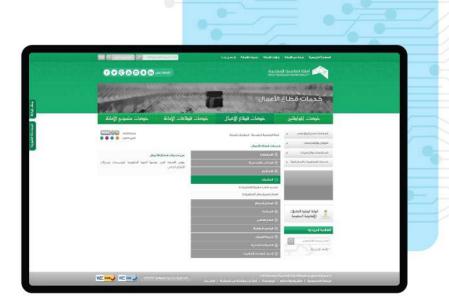
ArcGIS 10.3 for Server

Solution: An Integrated online system developed to assist prequalified consultants, contractors and developers in obtaining Right of Way-related No Objection Certificates (NOCs) for all works undertaken within, or which may affect Makkah roads Right of Way.

The NOC system is a one-stop shop for applicants seeking No Objection Certificates as it allows them to apply for and obtain Right of Way-related NOCs online.







Royal Commission for Riyadh City (RCRC) Geo Portal



Client: Royal Commission for Riyadh City (RCRC) (Partner:

Digital Geography)

Sector: Government, Saudi Arabia

Duration: 6 Months

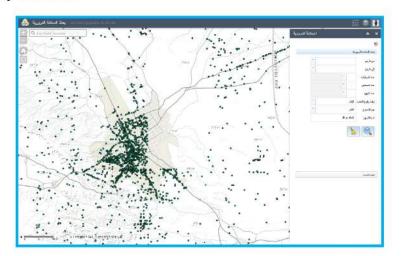
Development Platform:

■ Portal for ArcGIS Server 10.3

Oracle 12c

Solution: Finally, Portal for ArcGIS provides the collaboration and sharing tools secure on-site. It becomes the central repository for authoritative content that only accessed by users inside the intranet. It gives them the capability to quickly and easily build maps, share these with the entire organization.

RCRC keeps their content (including their own base maps and reference layers) secure behind their own firewalls. This includes sensitive data for doing confidential research or data with strict privacy controls.











Family Donations (2000 Libyan Dinar & 1000 Libyan Dinar)

2

Client: Central Bank of Libya, (Partner: Diwan)

Sector: Government, Saudi Arabia

Duration: 12 Months

Development Platform:

■ ASP.NET

Oracle 11g

Solution: An integrated web application built using the SOA techniques where business logic tier developed as web services. So, it invoked from any other application or different platform for future applications development or integration.

The solution workflow built over two main sub workflows:

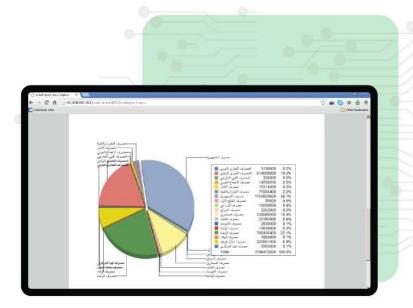
- ☐ Review family data, print the Marital Status Certificate on Not Fraud legal paper, and give it to family owner.
- ☐ Family owner go to his bank branch, they check Marital Status Certificate, system will calculate the value of Gift based on family count, and print statement to client that shows the bank transaction.





The developed system concurrent users were:

- 1800 users all over Libyan civil registry authority offices to maintain the data of all Libyan families (53 main offices and 365 Branch),
- ☐ 1450 users over all banks branches offices (278 Bank's Branches),



Libya Civil Registry Authority Workflow Automation



Client: Libya Civil Registry Authority, (Partner: Diwan)

Sector: Government, Saudi Arabia

Duration: 12 Months

Development Platform:

□ ASP.NET

□ SQL Server 2008 R2

Solution: An integrated desktop application built using the SOA techniques, where business logic tier developed as web services so it invoked from any other application or different platform for future applications development or integration.

The developed system is a one-stop shop for applicants seeking:

- Birth Registration Workflows & Birth Certificates Printout.
- Death Registration Workflows & Death Certificates Printout.
- Marriage Registration Workflows & Marriage Certificates Printout.
- ☐ Divorce Registration Workflows & Divorce Certificates Printout.
- ☐ Transfer from one office to another in different city/district Workflows.
- Search for Person, Family, or Operation.
- Family Tree Printout.
- Reports (Statistical, Operational, Users, Personals, and Family).
- ☐ GIS Module, act as a reliable tool for decision making, especially in distribution of services related to population.





Libyan Elections

2

Client: Ministry of Local Government, (Partner: Diwan)

Sector: Government, Saudi Arabia

Duration: 6 Months

Development Platform:

■ ASP.NET

Oracle 11g

Solution: As continuity for the democracy approach adopted by Libya after the revolution of 17th of February, the government of Libya to tries to make all the procedures required to guarantee the transparency of the election processes. One of these procedures is to confirm that all the citizens that have the right to elect registered in the voting registration station corresponding to the location they are going to give their vote. For this reason, Libya launched the Libyan Elections system to register all these citizens.

Ministry of Local Government realized a greater operational efficiencies and improved integrity of business-critical data, as well as significant cost savings.











Dakahlia Investment Map



Client: Dakahlia Chamber of Commerce, (Prime contractor)

Sector: Government, Saudi Arabia

Duration: 6 Months

Development Platform:

■ ASP.NET / C#

SQL Server

☐ iOS

Android

Solution: Investment Map aims to assist investment promotion and defining priority sectors for investment promotion, identifying potential investors in a given sector, identifying competitor for inward investment, and defining opportunities for investment.

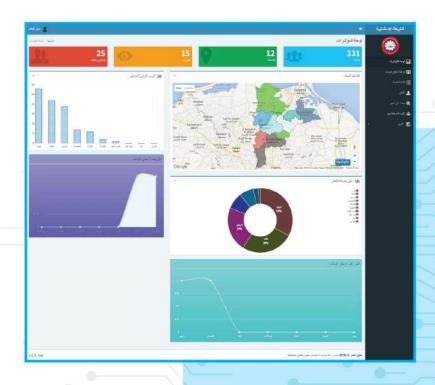
Investment Map combines statistics on direct investment and national trade.

It includes information, on the location, sectors, companies, factories and stores for Dakahlia Governorate.

Using both Mobile application for survivors to collect filed data, and Portal for review survey output and it supports dashboards and reports for the decision maker to support the processes of taking the right decision with geographic information support.







B.Tech Smart Maps



Client: B.Tech

Sector: Business, Egypt

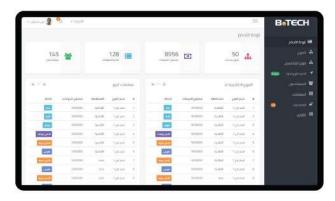
Duration: 3 Months

Development Platform:

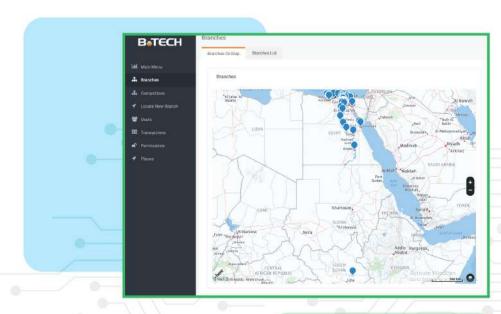
- ASP.NET MVC (C#)
- MS SQL Server
- HERE Maps

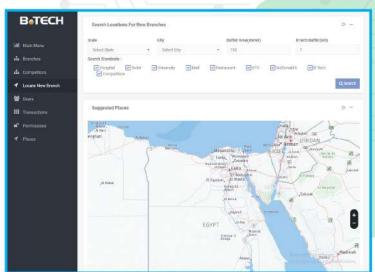
Solution: Main goal of this System is to find best place for B.Tech new branches. Also designed to List B.Tech Branches with locations on Map, Transaction, Contact Info ...etc. and also display data for B.Tech Competitors providing a good way to compare results.

- ☐ Display B.Tech branches locations along with competitors locations.
- Manage Branches.
- Transactions.
- Competitors Transactions.
- ☐ Detect best location in a city to establish new branch for B.Tech.
- Manage Users Permissions.











Archiving & Backlog

Libyan Civil Registry Documents Archiving

2

Client: Libya Civil Registry Authority, (Partner: Diwan)

Sector: Government, Saudi Arabia

Duration: 18 Months

Development Platform:

■ EMC Documentum & Captiva

Oracle 11g

Solution: The system delivers a comprehensive and integrated solution for content management activities. The power of the solution is the combination of the functional platform of Documentum, coupled with the configurations of the system for Libya Civil Registry Authority.

All offices have access to a centralized Documentum repository, which holds all of their relevant internal documents. Each remote office has private information placeholders, which helps them preserver the security around their information until they decide to share it.

Number of Documents: 75,000,000. Number of Concurrent Users: 700.





Backlog Scanning and Document Management Services



Client: Qaliubiya Pharmacists Syndicate, (Prime contractor)

Sector: Civil Society NGOs, Egypt

Duration: 9 Months

Development Platform:

■ ASP.NET MVC

SQL Server

Solution: The solution provided is mainly three phases:

- ☐ Phase I, install and configure documents management system inside Qaliubiya pharmacists syndicate, train the system administrator, stuff and technical support team to operate the system.
- Phase II, Backlog of three million documents with the following processes:
 - FReceiving Files.
 - ODispatching.
 - Scanning.
 - Indexing.
 - Quality Control.
 - ORejected Files.
 - Submitting Files.
- ☐ Phase III, tracking system that allows managers to follow up daily work of backlog.





Mobile Apps

Hajj Traffic, Traffic Maps for Hajj

Maps & Navigation

Technologies:







Partner: CAD&GIS Co. Ltd

8

Client: Saudi General Directorate of Public Security General Department of Traffic

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Website: http://www.hajjtraffic.com







Jomlah Sahm, Wholesale Grocery Supply

Ecommerce

Technologies:









Prime Contractor

8

Client: Jomlah Sahm Platform



Khasm, Discount Coupons

Shopping

Technologies:







Prime Contractor



Client: My Daily Needs for IT







Aldoctor, Medical Services On Demand

Medical

Technologies:







Prime Contractor



Client: Al-Doctor App











Aladdin Partner, Services Voice Order

IoT

Technologies:





Partner: Nakheel.io



Client: Aladdin World





Autobus, Public Transport Routes

Maps & Navigation

Technologies:







Partner: Nabdaa



Client: Comprehensive Multiple Transportation Co.(CMTC, AutoBus)









Aghnam Elreef, Fresh Meat Delivery

Ecommerce

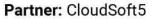
Technologies:













Client: Aghnam El Reef App







GOOT: Shop Online Grocery

Ecommerce

Technologies:



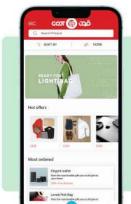








Client: Marei Bin Mahfouz Group





GOOT Captain: Delivery Application

Maps & Navigation

Technologies:









Prime Contractor

Client: Marei Bin Mahfouz Group





KFD: Online Pharmacy

Ecommerce

Technologies:





Prime Contractor



Client: Marei Bin Mahfouz Group







ERP+: Attendance System

Business

Technologies:













Client: CloudSoft5









KFD Captain: Delivery Application

Maps & Navigation

Technologies:





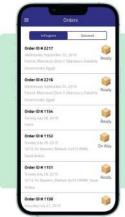
Prime Contractor



Client: Marei Bin Mahfouz Group









Makady (مقاضی): Saudi Offers

Shopping

Technologies:







Prime Contractor



Client: Digital Region









PerHourJobs, Freelance Jobs Search

Job Search

Technologies:







Prime Contractor

Client: PerHour



Job Plus, Part-Time Jobs Search

Job Search

Technologies:









Prime Contractor



Client: Adroyts



Website: https://www.jobplus.biz/









iPest: Rodent Monitoring IOT Solution

IoT

Technologies:





Partner: Nakheel.io



Client: Russell IoT









Aldahayan Auto: Cars Catalog & 3 S Services

Automotive



Technologies:







Prime Contractor



Client: Aldahayan Auto







Wfr (خصومات مصر): Egypt Offers

Job Search

Technologies:







Prime Contractor



Client: Public





Alhalawani Auto: Cars Catalog & 3 S Services

Automotive

Technologies:







Partner: New Manar IT



Client: Alhalawani Auto







Strawberry: Vegetables and Fruits Store

Ecommerce

Technologies:









Partner: Nabdaa



Client: Strawberry Trading Company









EGP Now: Egyptian Pound Exchange Rate

Finance

Technologies:







Prime Contractor



Client: Public







Kawa3b: Online Salon

Lifestyle

Technologies:







Prime Contractor



Client: Client: Rumman Technology Company Ltd







Nakheel: Cognitive Palm IOT Solution

Business

Technologies:













Prime Contractor



Client: Nakheel.io

Not Published at App Store based on client's request



KPOS: Point of Sale (POS)

Business

Technologies:







Prime Contractor



Client: Client: Rumman Technology Company Ltd







Umm al-Qura University Student Affairs

Finance

Technologies:







Partner: First Tent



Client: Umm Al Qura University





Protect Masr: Citizens' Complaints

Complaint Handling

Technologies:





Prime Contractor



Client: Egyptian Ministry of Communications and Information Technology (MCIT)

Not Published at App Store based on client's request





Vote Me: Online Poll Apps and Social Media

Social Network

Technologies:











Prime Contractor



Client: Mayes Al-Deka



E-Commerce Websites

Order Food Online

Prime Contractor

Client: French Fries Restaurant





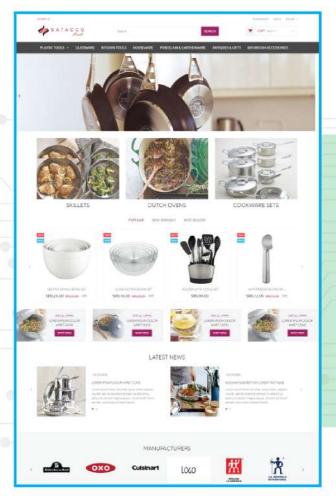
Kitchenware

Prime Contractor



Client: SAM Arabia





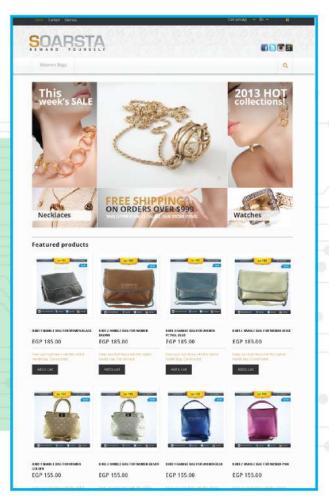
Ladies Fashion

Prime Contractor

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Client: Soarsta Bags & Accessories





Cosmetics

Prime Contractor

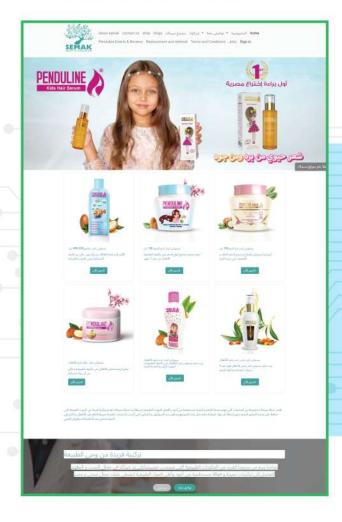
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Client: SEMAK



Website: http://www.semak-eg.com/





Business Website

Tourism Agency

Prime Contractor

Client: Doroub Travel

Website: http://www.doroubtravel.com/



Business Consultation

Partner: ISOTEC

Client: CANPEL







Tourism Agency

Partner: ISOTEC

0

Client: Aloo Visa



Hydraulics & Pneumatics

Partner: ISOTEC

0

Client: El-Raed co





Umrah Service Provider

Partner: ISOTEC

Client: Azowar Umrah Services company









Business Website

Sheikh Marie bin Mahfouz

Prime Contractor

Client: Marei Bin Mahfouz Group

Website: http://maraibinmahfouz.com/





Partner: ISOTEC

Client: Bani Shehr Tribe

Website: http://moltaqaattakrim.org/







Localization

Next ESA SAR Toolbox (NEST) Localization

8

Client: King Abdulaziz City for Science and Technology (KACST)

Sector: Government, Saudi Arabia

Duration: 2 Months

Development Platform: J2SE

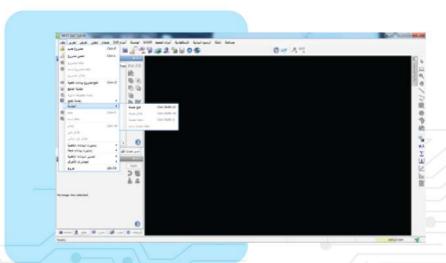
Solution: The Next ESA SAR Toolbox (NEST) is an ESA open source toolbox under the GNU GPL license for reading, processing, analyzing and visualizing ESA (ERS2/1-, ENVISAT, SENTINEL1-) and other spaceborne* (TerraSAR-X, RADARSAT 2-1, COSMO-SkyMed, JERS1-, ALOS PALSAR) SAR data processed to Level1- or higher.

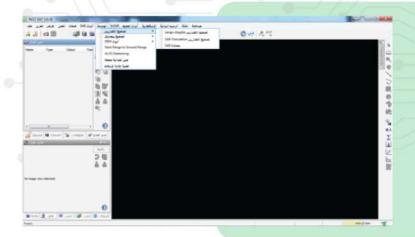
ITRoots localize this product to support space & aviation science in Arabic language.

ITRoots Role:

- Localize application to support Arabic.
- Create setup package.







E-Learning Management System (LMS) Testing & Localization



Client: DUNET

Sector: Education Private Sector, South Korea

Duration: 6 Months

Development Platform:

J2SE

Oracle 11g

Solution: This system helps efficiently manage learning resources such as course, progress report, attendance, evaluation and so on.

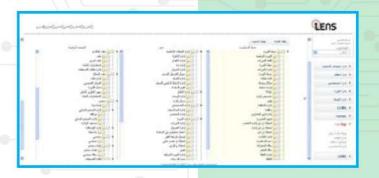
Through various experiences from lots of projects, it provides the most suitable system. It provides the most appropriate services depending on user type such as student, professor, and administrator.

ITRoots Role:

- Application Testing.
- Fix Bugs reported in testing.
- Add Right-to-Left Feature.
- Add Resource Files techniques, to support Multi-Language.
- Create the Arabic Resource File.









ITRoots Academy (Enterprise Capacity Building)

1000 Employee Training

8

Client: Libya Ministry of Interior

Sector: Government, Libya



Solution:

ITRoots roles:

- Study the Organization Chart, and review the employees' titles & educational records.
- Interview Employees to define organization Skills Matrix.
- Define Training Programs.
- Start Courses for 1000 Employees in different four cities.
- Evaluate the attendees.

Courses Tracks:

- Software Development.
- System Administration.
- GIS Basic Courses.
- Soft Skills.
- Management Skills.
- Planning Courses.
- Human Resources Courses.
- Financial Courses.
- Quality Control.
- ☐ ICDL.

Kuwait Municipality GIS Training



Client: Kuwait Municipality

Sector: Government, Kuwait



Solution:

ITRoots roles:

Introduction of GIS and field's teams management and determine courses of action and raise the construction sites and irregularities.

Courses Tracks:

- Introduction to GIS.
- ☐ Data model design & building physical model.
- ☐ Configure workflows and irregularities and construction sites classified maps.
- ☐ Routes for Raising work and construction sites and irregularities paths.
- ☐ GIS analytical tools in the distribution and management of teams and identifying and controlling best routes.
- ☐ The publication, circulation and provide geographic data for each of the projects and irregularities and filed teams.

Activities

ITRoots has succeeded in offering various services relying in that on the multiple educational backgrounds and skills that our Development team enjoys, which is proudly our most fundamental asset presented by the Presales & Development department. In the coming part a brief account of the main services offered by our team.

Application Development

ITRoots development team leads IT application development in the region following latest Technology worldwide, and guides users to move through the IT implementation process efficiently. We are proud that our development team is one of the most professional teams in the region.

ITRoots Development Team provides services covering the development life cycle, from presales activities to system delivery and operations.

Presales Activities

Covering customer consultation services before sales and contracting:

- Orientation Seminars.
- Demonstrations & Presentations.
- Preliminary Needs Assessment.
- ☐ Technical proposals including solution concept, preliminary design, and preliminary cost assessment.

Turn-key solutions

This includes consultation and systems design, database design, application design, system implementation, system testing, and delivery. ITRoots provides various applications such as, enterprise solutions, desktop applications, Web based applications, E-commerce applications, Mobile commerce applications, data mining, and spatial data warehousing.

Consultation Services

This involves considering and planning customer needs before embarking on system acquisition, application and database development. ITRoots experienced consulting staff will provide several services to support the design of efficient databases, applications and systems to best meet customer needs. These services include:

- User needs assessment.
- Data evaluation and system Sizing.
- Functional requirements.
- ☐ RFP preparation and responses through technical proposals,
- Data Quality Assurance.
- Cost Recovery Strategies.

Training

- Designing, preparing and implementing GIS training programs (VDS technologies, ESRI Like courses).
- Managing GIS scholarships.

Outsourcing

- ☐ In times of globalization, specialization and efficiency play a decisive role in order to keep up with the international competition. More and more companies source out their supported processes like IT and back office to concentrate on the business process and to be furthermore successful.
- ☐ ITRoots is a suitable partner company for a successful and goal-oriented outsourcing.
- ☐ You have always a local partner on management level and with invariable bilingual employees, a direct communication on operational level is ensured.
- ☐ ITRoots offers you the valuable possibility to combine European quality with Egyptian costs.

2014



EgyptInnovate ICT Innovation Award 2014 - Technology Innovation and Entrepreneurship Center (TIEC)

2013



Governmental eServices Forum Award
- Holy Makkah Municipality

Contact Us:

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