ITROOTS
we think globally

COMPANY PROFILE
2026

Scan to visit our website

www.itroots.net

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About ITRoots

ITRoots Limited is an IT solutions company located in Egypt, the company was founded in order to achieve specific goals until it became a pioneer of the Digitalization field.

We offer a professional services:

- Construction Management System
- AI & Machine Learning
- Strategy & Project Management
- Digital Transformation

- GIS
- ERP
- Consultation
- Staff Augmentation

Manpower

ITRoots utilizes its extensive IT expertise in software and specialized hardware, emphasizing high quality. Their team of over 50 professionals, with educational backgrounds from Bachelors to PhDs in engineering, develops tailored CIT solutions that effectively reach local and 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

ITRoots aims to lead the regional CIT industry by offering innovative services, value-added products, and IT solutions. Their focus on infrastructure projects benefits shareholders and the economy. Achieving this goal involves delivering precise, high-quality solutions to customers.

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Our Partners

- Egypt
- Saudi Arabia
- United Arab Emirates
- Kuwait
- Libya

Company Overview

300+
Completed Projects

200+
Satisfied Clients

16+
Years of Expertise

50+
Team Expert

Our Services

GIS

Construction Management System

AI & Machine Learning

Digital Transformation

Strategy & Project Management

ERP

Consultation

Staff Augmentation

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Odoo **Partnership**

As an official Odoo partner, ITRoots is proud to play a key role in driving digital transformation across the Middle East and North Africa. With over 16 years of proven experience in delivering large-scale digital transformation projects, we have successfully implemented integrated solutions for numerous government ministries, public sector entities, and leading enterprises.

Our strategic partnership with Odoo empowers us to offer comprehensive, customizable ERP solutions that streamline operations, enhance productivity, and maximize profitability. This collaboration reinforces our commitment to delivering innovative and scalable technologies that support our clients' growth and digital success.

odoo

Ready Partner

We Are odoo Partner

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AI & Machine Learning

The AI & Machine Learning Division at ITRoots drives innovation by delivering intelligent, scalable solutions that empower organizations across Egypt, Saudi Arabia, and the Gulf. Leveraging advanced algorithms and deep learning, we enable automation, predictive analytics, and data-driven insights that enhance decision-making. Our tailored AI solutions integrate seamlessly with business strategies, optimize operations, elevate customer experiences, and transform technology into measurable, sustainable growth aligned with our long-term vision.

Client:

سابك
sabic

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Hands on Experience

GIS

esri | here | Google Maps | GeoServer

AI & Machine Learning

python | dj | Flask | FastAPI

Web Development

.NET | php | (Laravel) | WordPress

Mobile Development

Swift | Kotlin | Java | Flutter

Construction Management System

ORACLE PRIMAVERA | ORACLE PRIMAVERA P6

Strategy & Project Management

PMCLOUD

ERP

odoo | 4S PLUS

Database Engine

ORACLE DATABASE | Microsoft SQL Server | MySQL

Saudi Arabia

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

وزارة التجارة
Ministry of Commerce

وزارة الطاقة
MINISTRY OF ENERGY

الأمن العام

وزارة الحج والعمرة
MINISTRY OF HAJJ AND UMRAH

وزارة الثقافة
Ministry of Culture

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

GEOSA
الهيئة العامة للمساحة والمعلومات الجيومكانية
General Authority for Survey and Geospatial Information

الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY

أمانة العاصمة المقدسة
HOLY MAKKAH MUNICIPALITY

أوقاف
الهيئة العامة للأوقاف
GENERAL AUTHORITY FOR AWQAF

أمانة منطقة الرياض
RIYADH REGION MUNICIPALITY

KACST
مدينة الملك عبدالعزيز للعلوم والتقنية

جامعة أم القرى
UMM AL-QURA UNIVERSITY

Digital Delmar
GOOD HEALTH INC.

الضحيان للسيارات
ALDAHAYAN AUTO

شركة محمد صالح الحلواني المحدودة
Mohammad Saleh Al Halawani Co. Ltd

كافووو
KAFOOO

Arabic Coaches

ARCOM

Our Clients

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Egypt

Kuwait

Our Clients

Libya

Global

SAATCHI & SAATCHI

Our Clients

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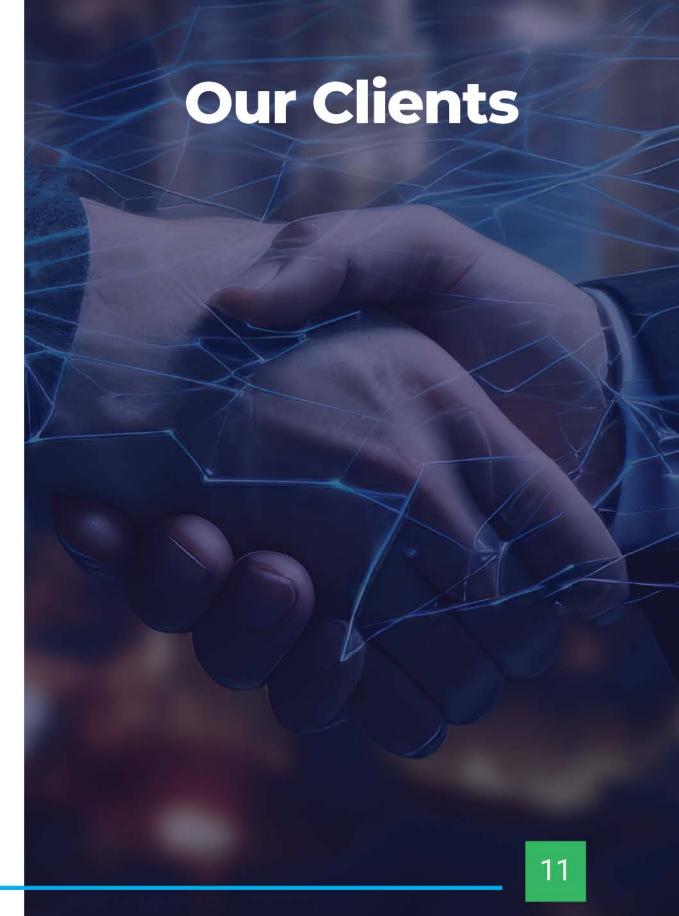
Products

1 Objectives and Key Results (OKR) Digital Transformation

2 PM Cloud

3 PM Commerce

Our Core Values:

Quality — 01

Customer Focus — 02

Transparency — 03

Partnership — 04

Clients:

وزارة التجارة
Ministry of Commerce

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

أمانة الطائف
TAIF MUNICIPALITY

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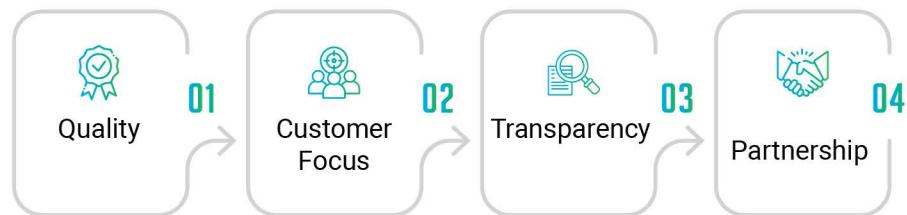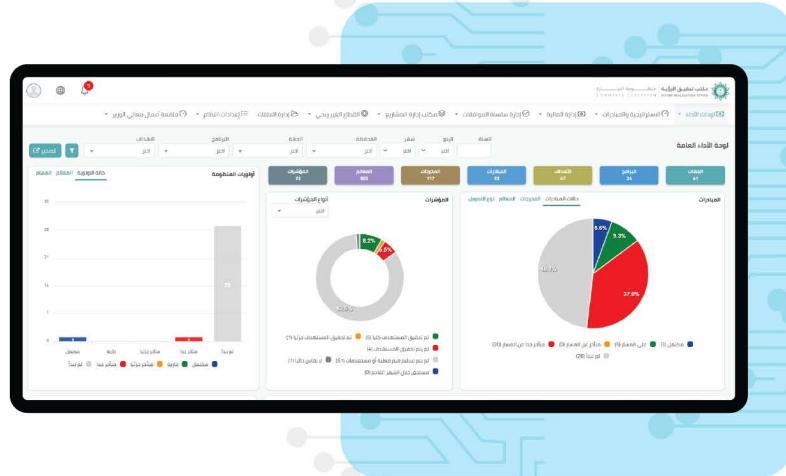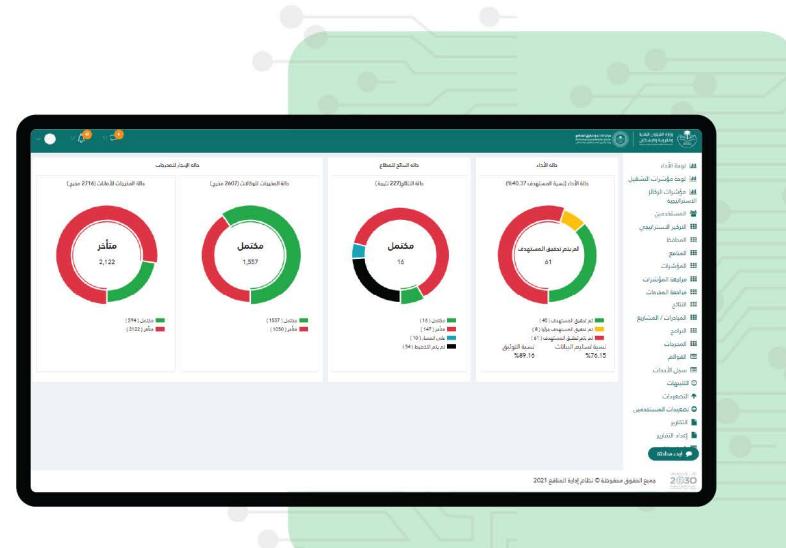
4S Plus (Automotive ERP)

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 auto manufacturers).

Main Modules:

- Sales management
- Service management
- Spare part management
- Automotive industry CRM
- Finance management
- Automotive inventory management
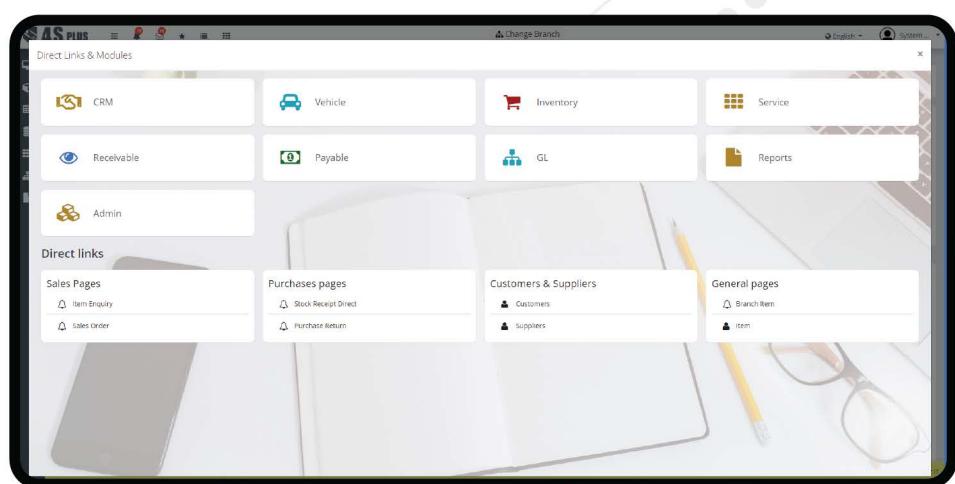- Business intelligence (BI)
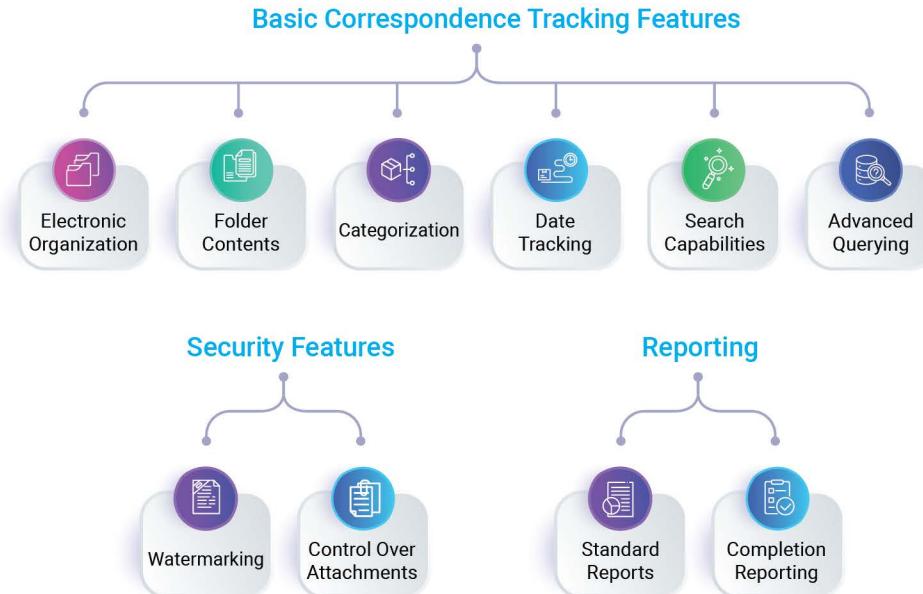- Real estate
- HR

Figure1: System

Clients:

Correspondence Tracking and Management System

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

Main features:

Basic Correspondence Tracking Features

- Electronic Organization
- Folder Contents
- Categorization
- Date Tracking
- Search Capabilities
- Advanced Querying

Security Features

- Watermarking
- Control Over Attachments

Reporting

- Standard Reports
- Completion Reporting

Client: Royal Commission for Riyadh City (RCRC), Saudi Arabia

الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY

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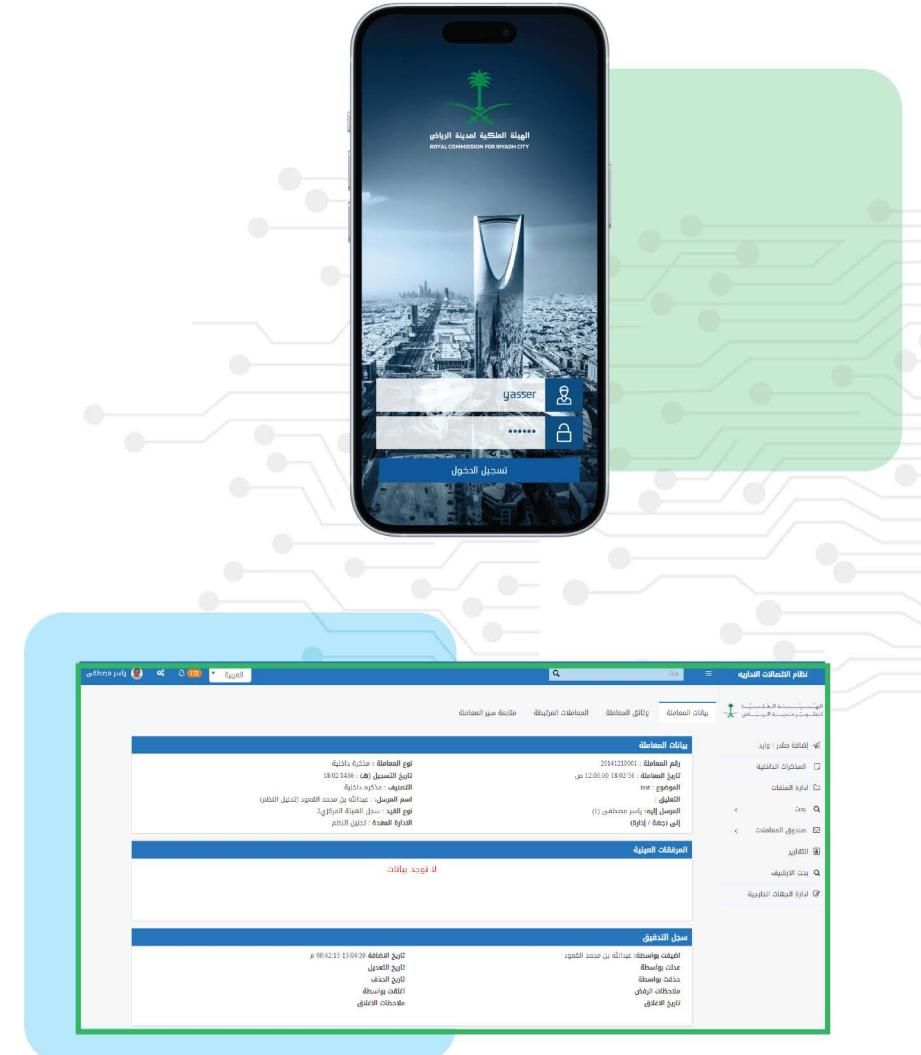
Certificate of Intellectual Property (IP, Copyright) Registration

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Enterprise Projects

GEOSA
الهيئة العامة للمساحة
والمعلومات الجيومكانية
General Authority for Survey
and Geospatial Information

Building and Operating the Geodetic Database

Client: General Authority for Survey and Geospatial Information (GEOSA)

Sector: Government, Saudi Arabia

Duration: 12 Months

Solution: Geospatial information is supportive and enabling to realize Saudi Vision 2030 Geospatial information contributes to enabling sectors and many digital areas through geospatial data, applications, spatial analyzes, and training of employees in a manner that leads to raising efficiency, improving services and business.
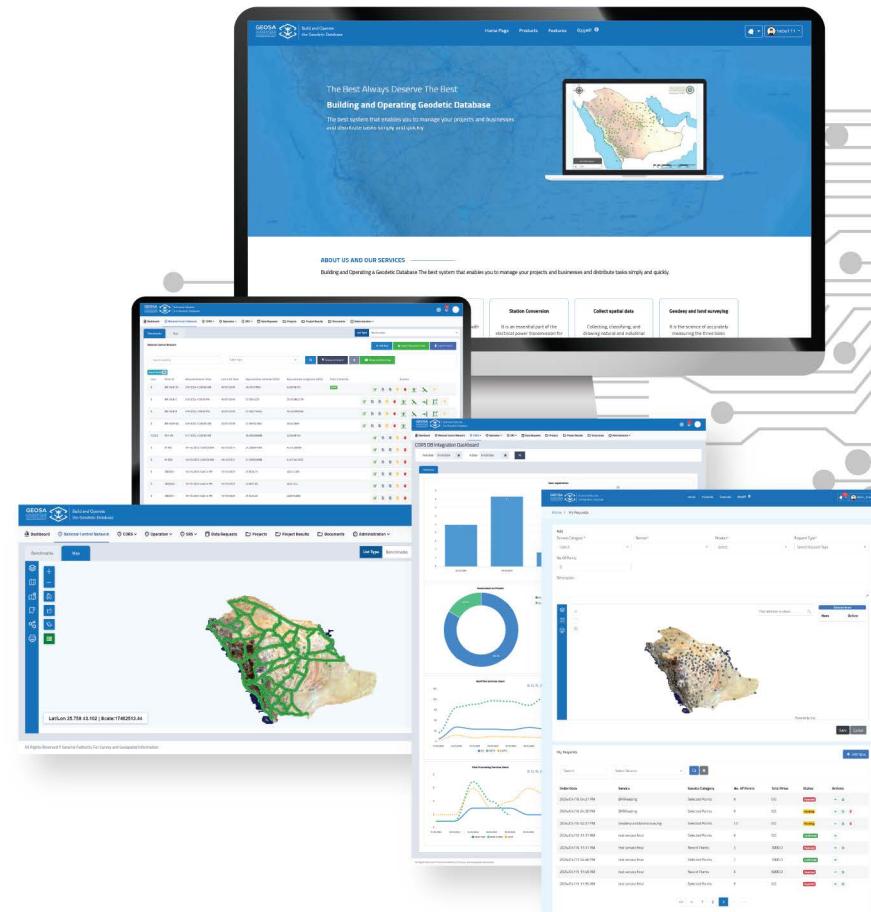
Integration

National Geoportal	Email	SMS	Active Directory

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Balady Bayanat

نظام بلدي بيانات

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

Client: Ministry of Municipalities and Housing (MOMAH), (Partner: Digital Geography)

Sector: Government, Saudi Arabia

Duration: 12 Months

Solution: The Department of Statistics and Research at MOMRAH focuses on providing valuable statistical products and services. They prioritize accuracy and comprehensiveness in their outputs and actively update data models for agencies, secretariats, and municipalities.

The Department's solution offers:

- Interactive Statistics Platform for municipalities and agencies.

- Advanced Features for effortless data management.

- Comprehensive Reporting for annual and quarterly insights.

- Data Visualization Tools with vibrant graphs and maps.

- KPI Monitoring across Saudi Arabia for performance tracking.

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

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Municipal Sectors Knowledge Management (MAREFA)

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

معرفة

Client: Ministry of Municipalities and Housing (MOMAH), (Partner: Digital Geography)

Sector: Government, Saudi Arabia

Duration: 18 Months

Solution: Governments worldwide are embracing ICT to boost productivity, accountability, and transparency. MOMRAH, as a knowledge-driven organization, emphasizes improved knowledge management (KM) at all levels. KM is a key part of Saudi Arabia's e-Government Plans, driving efficient public sector reforms

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

The key activities:

- Offer technological expertise for KM activities and solutions.
- Deploy an enterprise portal as a search engine.
- Facilitate KM planning initiatives.
- Capture studies, reports and best practices.
- Implement document/content management systems.
- Develop mobile apps (App Store, Google Play) for accessing collected knowledge.

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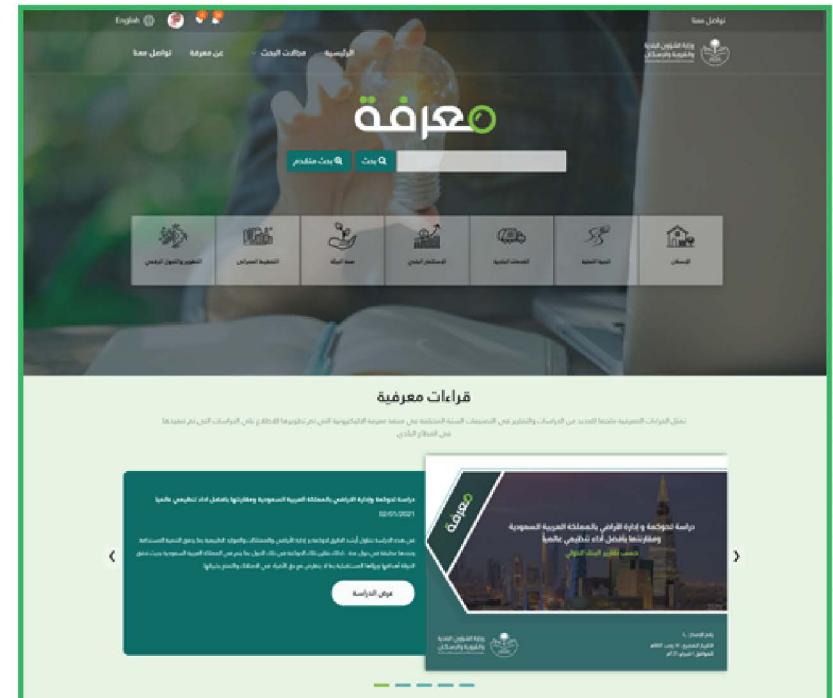
National Urban Observatory (NUO)

Client: Ministry of Municipalities and Housing (MOMAH)

المرصد الحضري الوطني
National Urban Observatory

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

Sector: Government, Saudi Arabia
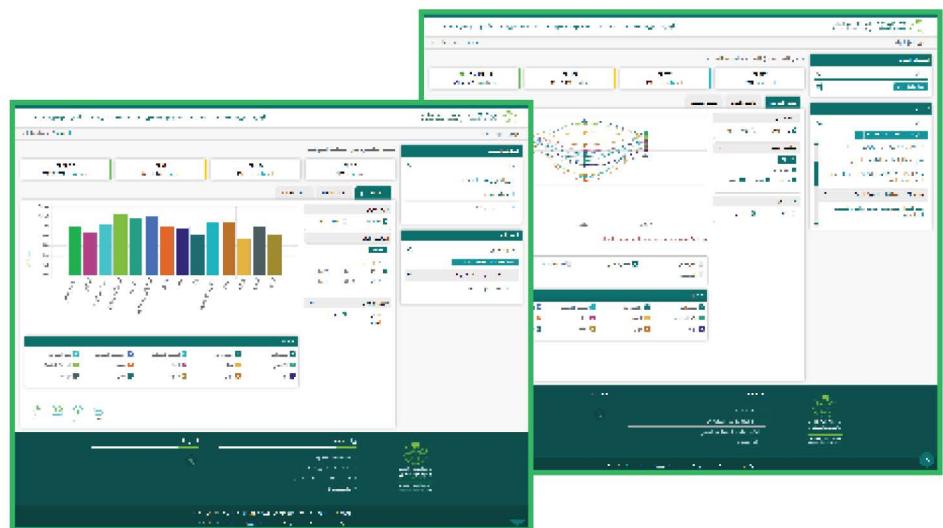
Duration: 12 Months

Solution: The Ministry of Municipal, Rural Affairs, and Housing aims to establish the National Urban Observatory Platform through this project. The goal is to facilitate access to data and indicators for stakeholders and those interested in urban monitoring, ensuring a seamless flow of information from original sources.

The scope of work includes:

- Designing a centralized database
- Developing a unified platform
- Integrating with existing systems
- Migrating data from legacy systems to the new platform

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

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

Client: Ministry of Environment, Water and Agriculture (MEWA), (Partner: AlMandaryah)
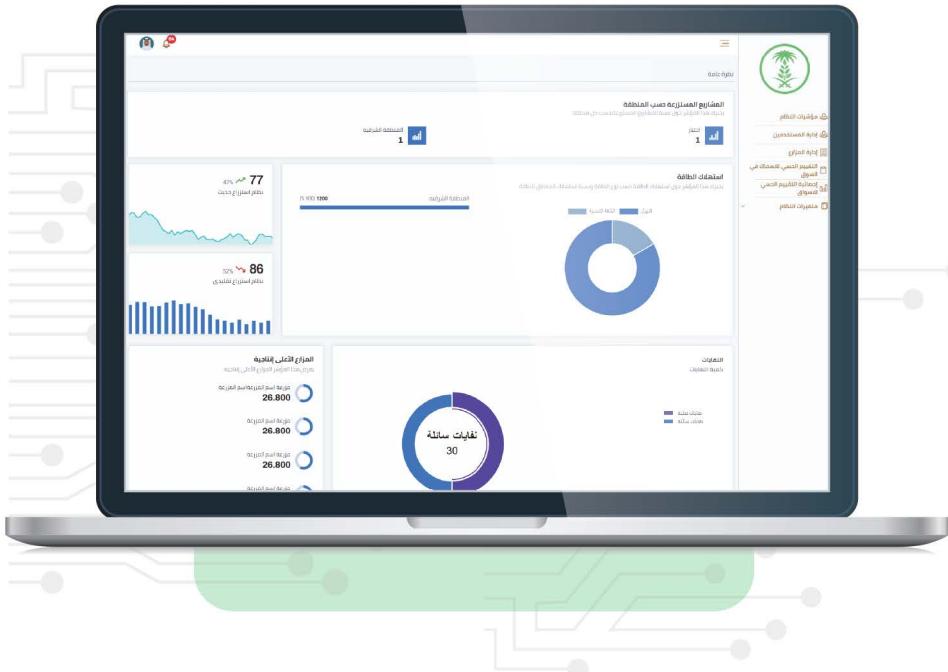
Sector: Government, Saudi Arabia

Duration: 6 Months

Solution:

01 Design database for automating field survey and EIA study questionnaires in aquaculture.

02 Develop dashboard for statistical indicators and performance metrics.

03 Store field questionnaire form and EIA study details, including PDFs of study results per farm.

04 Conduct Training of Trainers (TOT) for platform management and data entry.
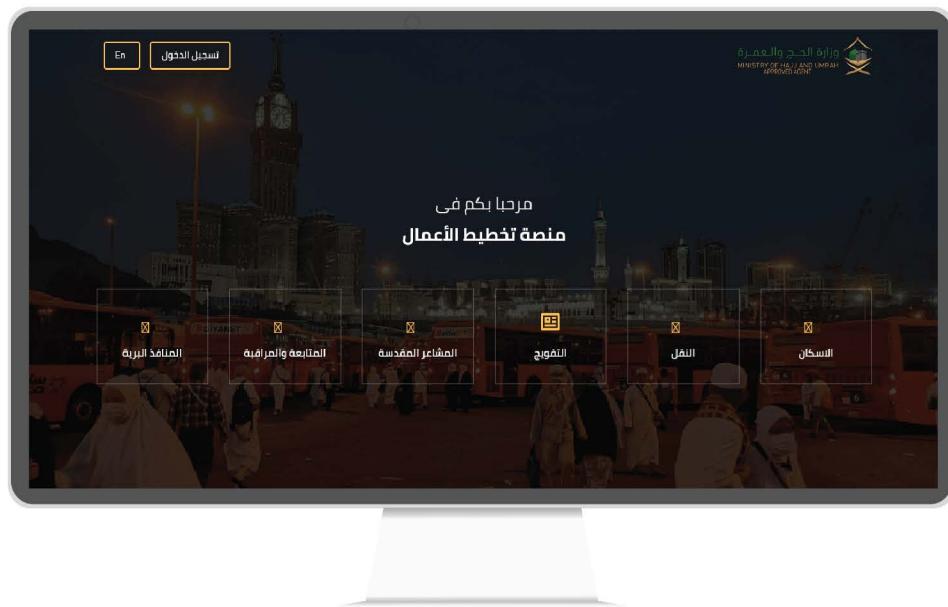

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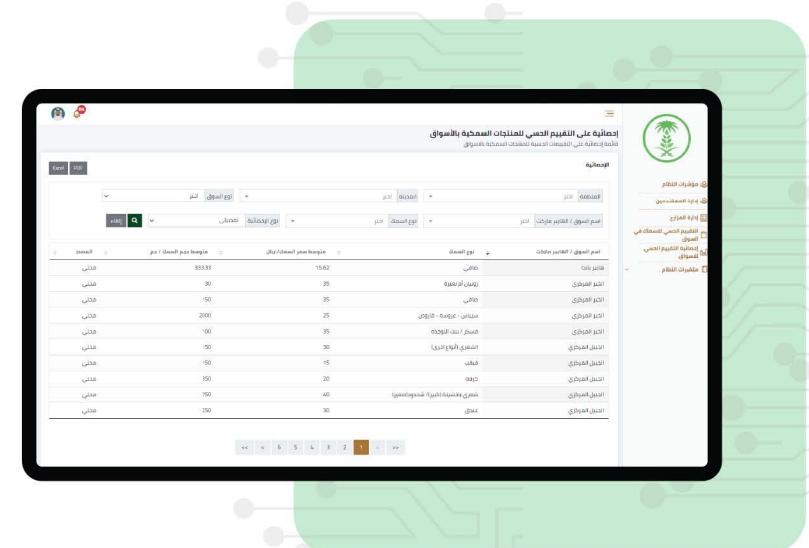
Monitoring and Follow-up the Hajj and Umrah Guests

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

Sector: Government, Saudi Arabia

Duration: 24 Months

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:

01 Enhance Geo-Database to optimize transportation logistics for Rahman guests in Mecca, Medina, and Sacred Sites based on housing models and demographics.

02 Integrate updated plans effectively.

03 Develop operational plans, policies, and optimize road network modeling.

04 Standardize digital templates and models for transport operational plans using modern techniques.

05 Track and monitor bus fleet activities.

06 Coordinate closely with relevant transport planning authorities to enhance collaboration.

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Register of Intangible Heritage

Client: Ministry of Culture

Sector: Government, Saudi Arabia

Register of Intangible Heritage Projects:

01 — — — o **National Register of Intangible Heritage Items**
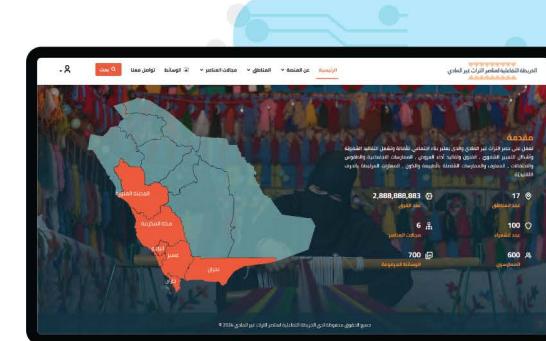Project Duration: 6 Months

02 — — — o **Saudi Trouq**
Project Duration: 6 Months

03 — — — o **The Interactive Map of Intangible Heritage Elements**
Project Duration: 6 Months

04 — — — o **Alahsa Elements List**
Project Duration: 6 Months

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Environmental Health Laboratory Information Management System (LIMS)

Client: Riyadh Municipality, General Directorate of Environmental Health, (Partner: AlMandaryah)

Sector: Government, Saudi Arabia

Duration: 6 Months

Solution

Sample Management — Tracks and manages lab samples efficiently

Workflow Orchestration — Streamlines and organizes laboratory workflows

Accurate Information — Provides precise, timely info for customer care

Data Management — Recognized for improving lab data management internally

External Reporting — Facilitates effective reporting of data to external parties

أمانة منطقة الرياض
RIYADH REGION MUNICIPALITY

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Dig Electronic No Objection Certificate (Dig E-NOC)

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

Sector: Government, Saudi Arabia

Duration: 36 Months

أمانة العاصمة المقدسة
HOLY MAKKAH MUNICIPALITY

Solution

01 Integrated Online System
Developed to aid prequalified consultants, contractors, and developers

02 Right of Way NOCs
Assists in obtaining No Objection Certificates related to Right of Way for Makkah roads

03 One-Stop Shop
Simplifies obtaining Right of Way NOCs through online applications and approvals

04 Facilitates Workflow
Streamlines obtaining permissions for works affecting Makkah roads' Right of Way

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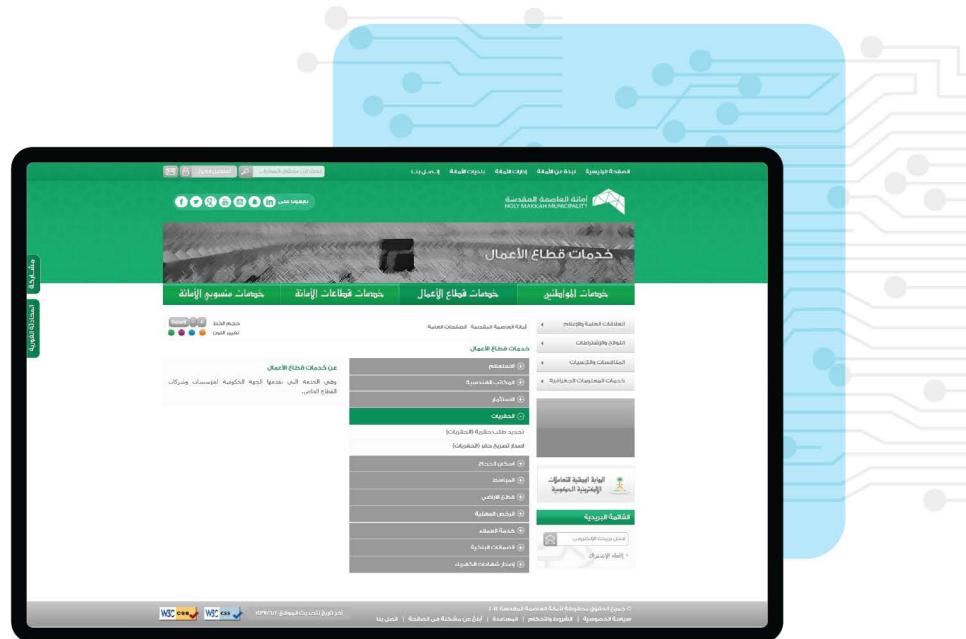
Royal Commission for Riyadh City (RCRC) Geo Portal

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

Sector: Government, Saudi Arabia

Duration: 6 Months

Solution:
Portal for ArcGIS offers secure on-site collaboration and sharing tools, serving as a central repository for authoritative content accessible only within the intranet. It enables users to quickly build and share maps across the organization. RCRC keeps all content, including base maps and sensitive data, secure behind their firewalls for confidential research and privacy compliance.

الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY
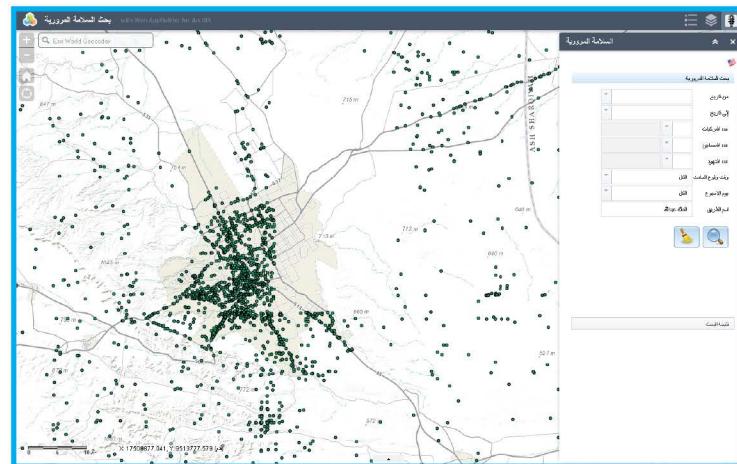
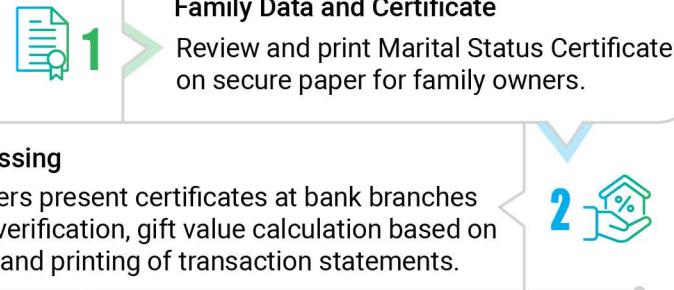# Family Donations (2000 Libyan Dinar & 1000 Libyan Dinar)

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

Sector: Government, Libya

Duration: 12 Months

Solution: An SOA-based web application with business logic as web services, allowing seamless use and integration across diverse platforms for future development.
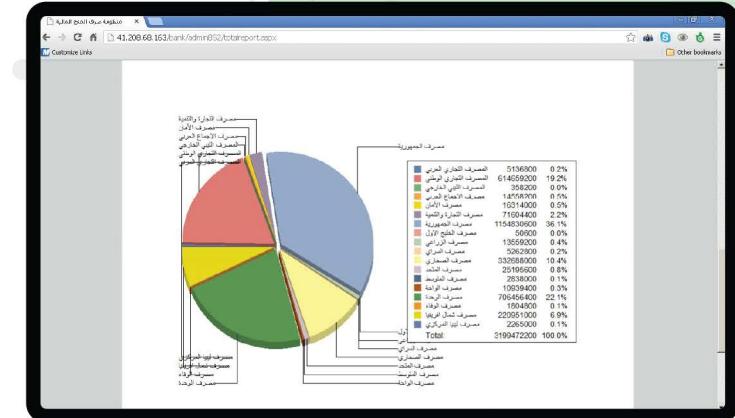
Key Workflows

1 Family Data and Certificate
Review and print Marital Status Certificates on secure paper for family owners.

2 Bank Processing
Family owners present certificates at bank branches for system verification, gift value calculation based on family size, and printing of transaction statements.

User Base

1 Civil Registry Offices
1,800 users across Libyan civil registry offices (53 main and 365 branch offices) maintaining family data.

2 Bank Branches
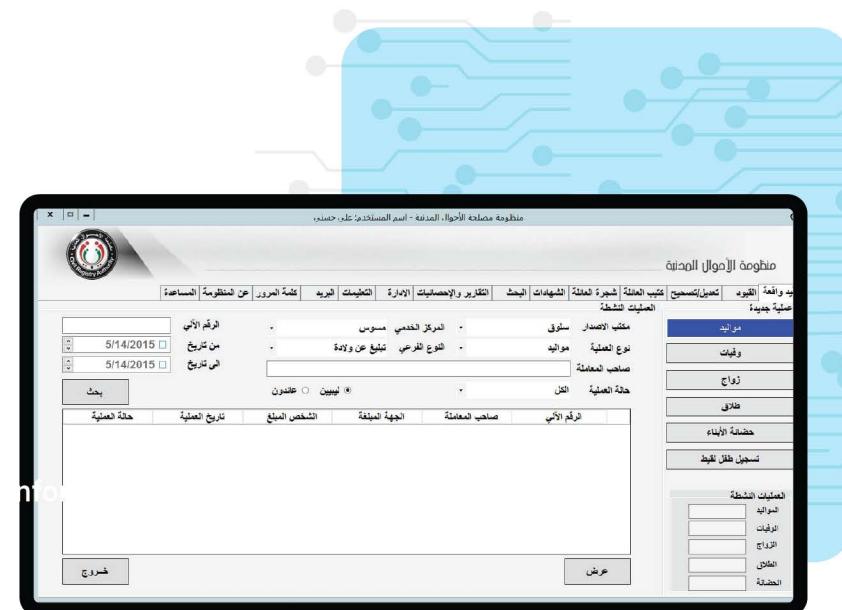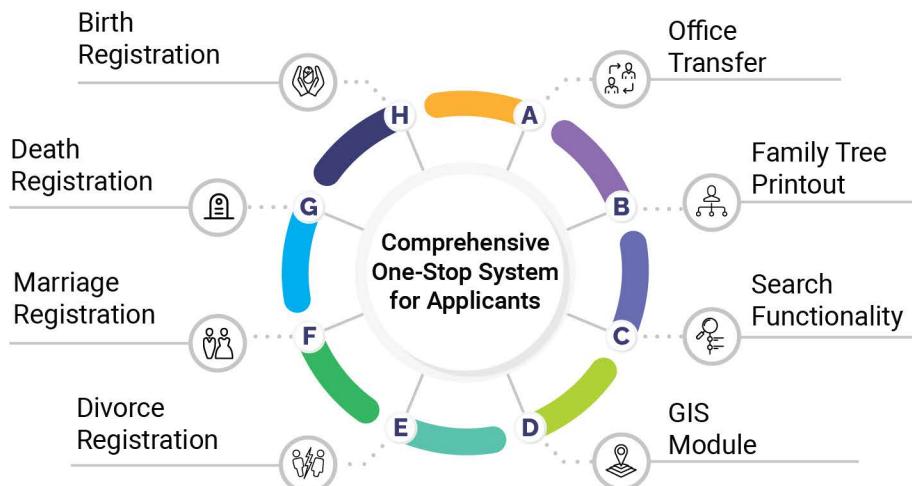1,450 users across 278 bank branches handling transaction processing

Libya Civil Registry Authority Workflow Automation

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

Sector: Government, Libya

Duration: 12 Months

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.

Birth Registration

Office Transfer

Death Registration

Family Tree Printout

Comprehensive One-Stop System for Applicants

Marriage Registration

Search Functionality

Divorce Registration

GIS Module

Libyan Elections

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

Sector: Government, Libya

Duration: 6 Months

Solution:

Democracy Continuity
Libya continues its democratic approach post-17th February revolution

Libyan Elections System
Launched to register citizens for voting at their designated locations

Data Integrity
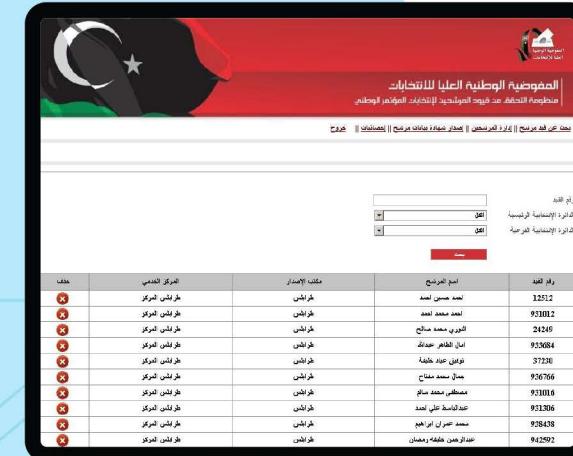Improved the integrity of business-critical data

Voter Registration
Confirming that eligible citizens are registered at the correct voting stations

Operational Efficiency
The Ministry of Local Government achieved greater operational efficiencies

Cost Savings
Realized significant cost savings through the new system

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Dakahlia Investment Map

Client: Dakahlia Chamber of Commerce, (Prime contractor)

Sector: Government, Egypt

Duration: 6 Months

Solution:

1 Investment Promotion

Assists in promoting investments and defining priority sectors

2 Opportunity Mapping

Highlights opportunities for investment

3 Data Integration

Combines statistics on direct investment and national trade

4 Detailed Information

Provides details on locations, sectors, companies, and stores in Dakahlia Governorate

5 Mobile and Portal Tools

Uses a mobile app for data collection and a portal for reviewing survey outputs

6 Decision Support

Supports decision-makers with dashboards, reports, and geographic information

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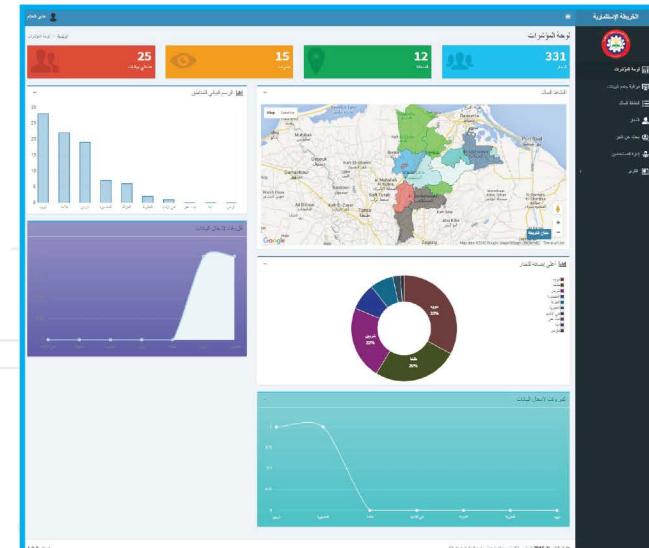
Projects

Digital Delmar

Digital Delmar
GOOD HEALTH INC.

Sector: Business, Saudi Arabia

Duration: 18 Months

Solution: Digital Delmar is an innovative telemedicine solution developed by ITRoots, combining a smart mobile app, AI-powered medical pods, and a smart mirror. Patients can seamlessly measure vital signs—blood pressure, glucose, weight, oxygen levels—and request remote consultations via real-time video with certified doctors. The system bridges physical and digital care, transforming how healthcare is accessed, monitored, and delivered.

Clients:

Tahwela

👤 **Clients:** NWRS

Sector: Business, Egypt

Duration: 9 Months

Solution: The solution makes it easy to request container transportation between your factory and the ports, handling every move with efficiency and care, whether it's to the port or back to your facility.


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Khuta Academy

Client: Khuta

Sector: Business, Saudi Arabia

Duration: 6 Months

Solution:

Khuta Academy offers structured and accessible educational programs that connect diverse fields of Islamic knowledge—such as stories from the Qur'an, biographies of prominent figures in Islamic history, and in-depth exploration of the Qur'anic worldview.
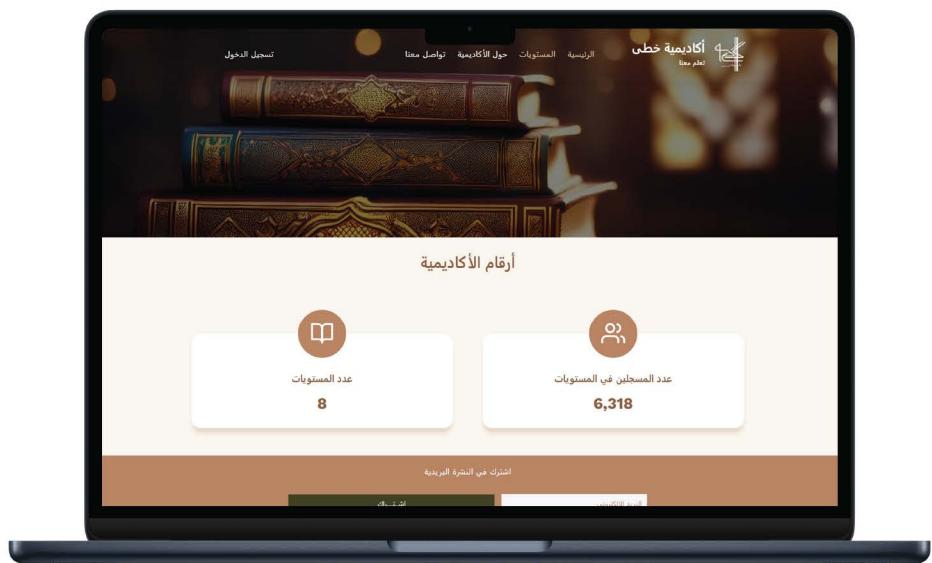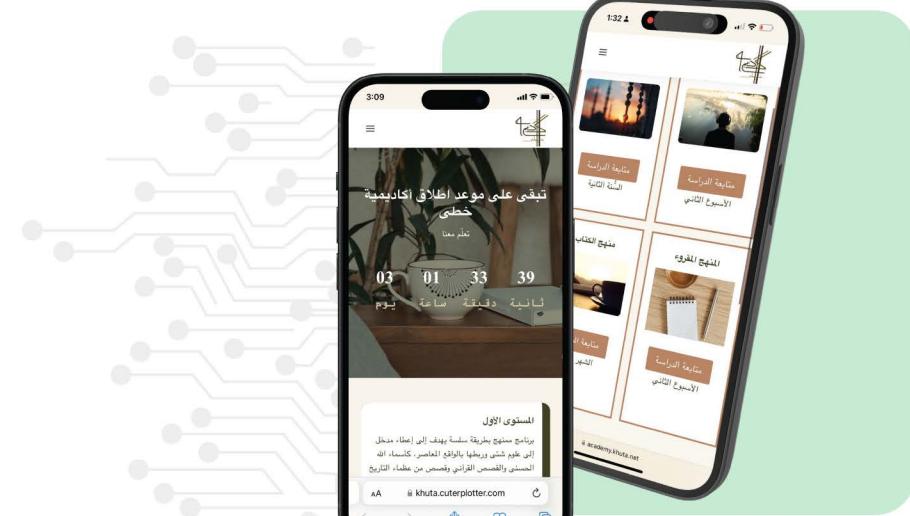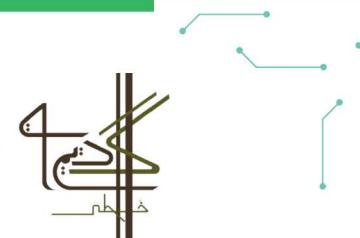
Platform Features

- Interactive lessons and quizzes
- Multimedia content deliver
- Personalized learning experience
- Structured course progression

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Kafooo

Client: Kafooo App

Sector: Business, Saudi Arabia

Duration: 6 Months

Solution: "Kafooo App" is an online platform that connects service seekers with various providers, offering ease and competitive pricing.

IT COVERS

- Home Maintenance
- Cleaning
- Pest Control
- Gardening
- More
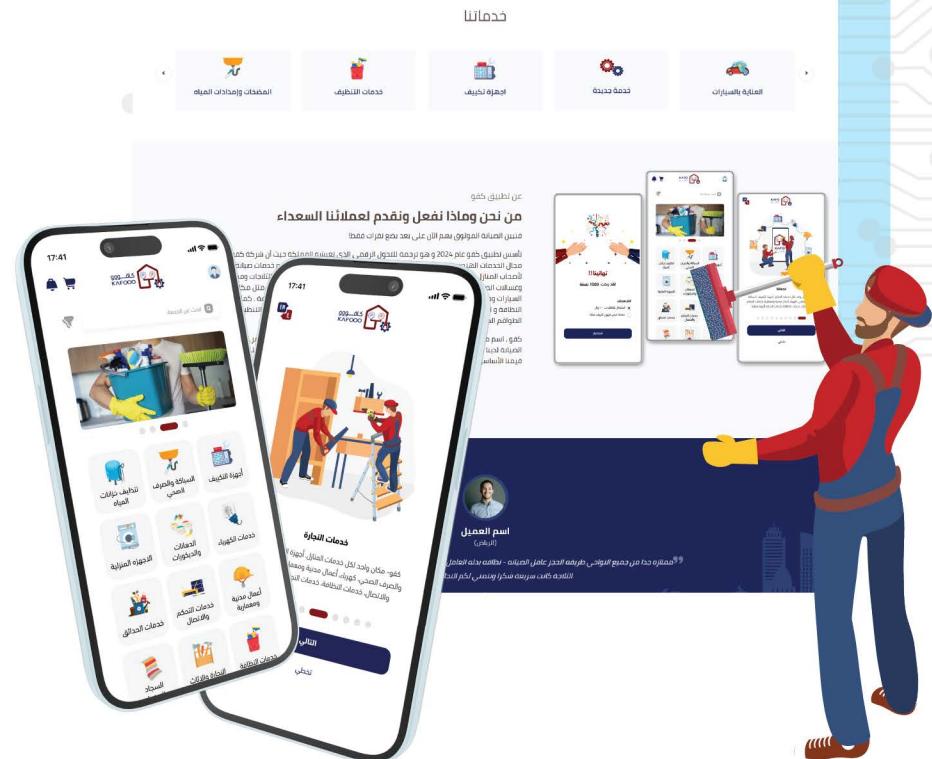
Arabic Coaches

Client: Arabic Coaches App

Sector: Business, Saudi Arabia

Duration: 6 Months

Solution: "Arabic Coaches" is developing an interactive system through mobile apps and a website that bridges trainers and trainees. Our goal is to offer a more accessible and efficient platform for teaching the Arabic language to non-native speakers.
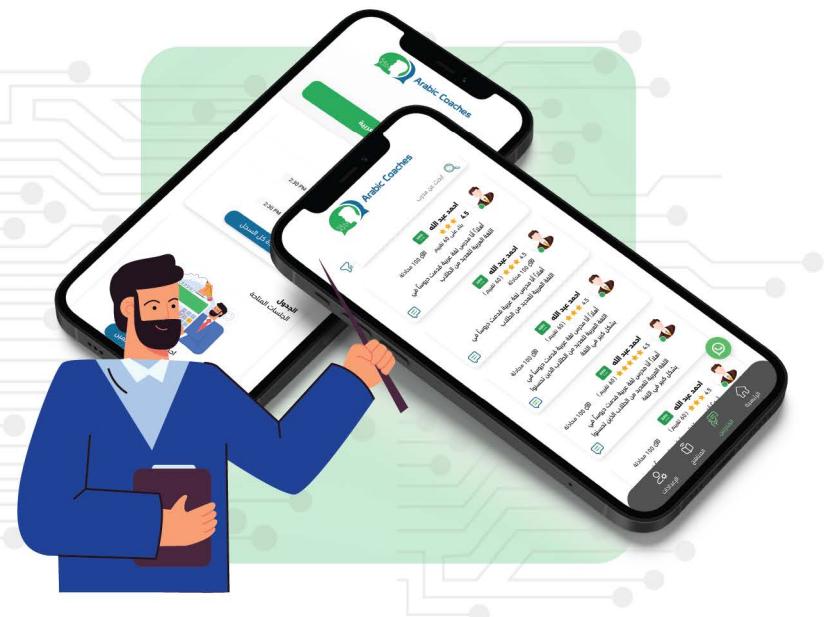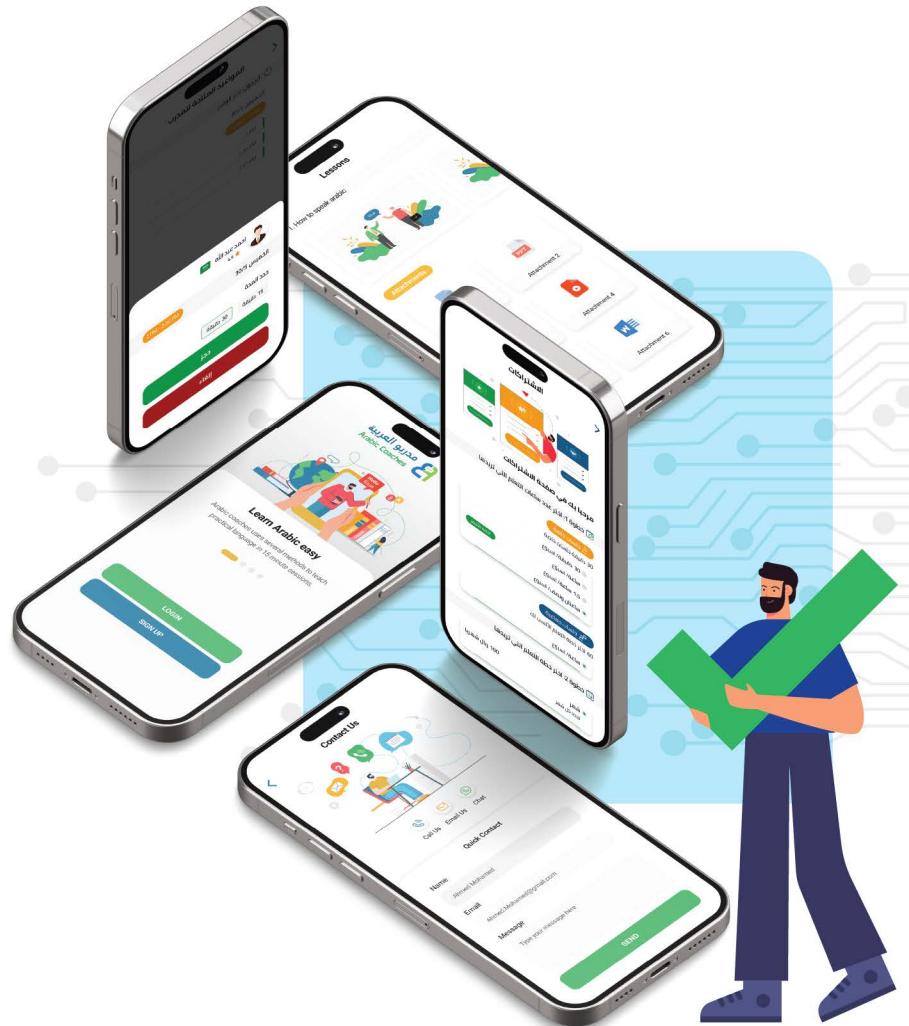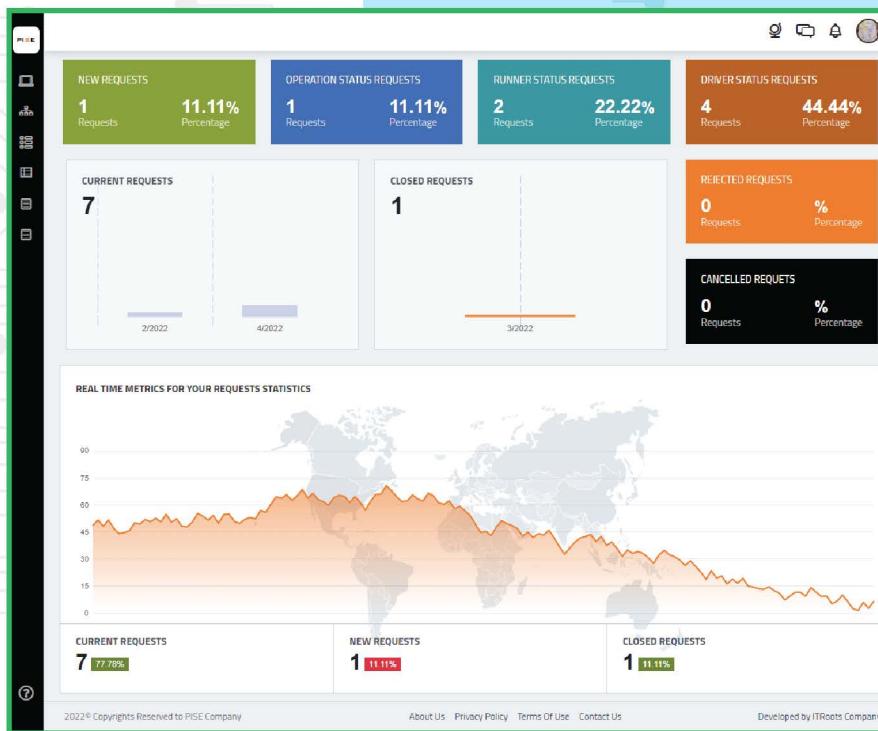
InlandLogistics Application

Clients: MAERSK (PISE sister company)
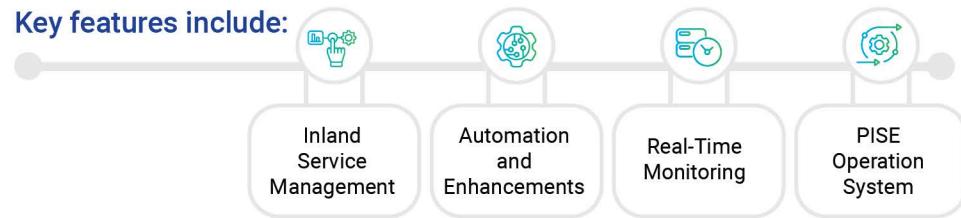
MAERSK

Sector: Business, Egypt
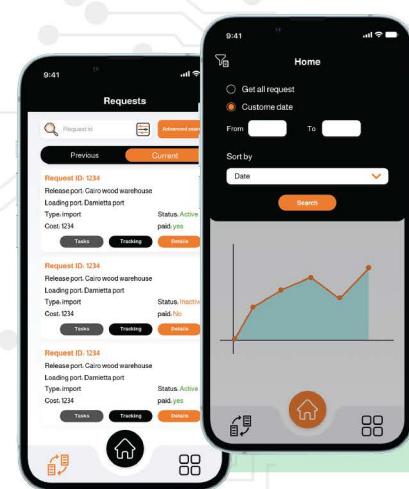
Duration: 18 Months

Solution: The solution aims to streamline end-to-end product delivery through a unified platform that integrates robust inland transportation services.

Key features include:

- Inland Service Management
- Automation and Enhancements
- Real-Time Monitoring
- PISE Operation System

Intelligent Features:

1. Control Tower Dashboard
2. Driver Behavior Management
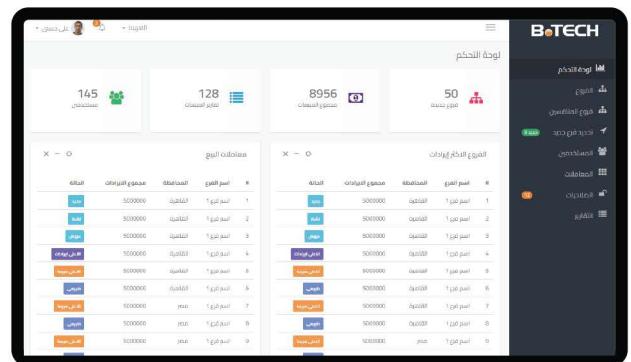3. Route Optimization
4. Custom Mapping
5. GPS Vehicle Tracking

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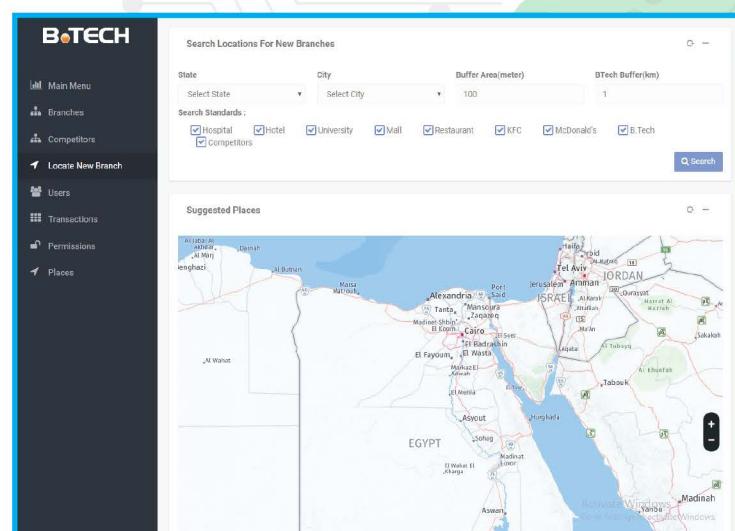# B.Tech Smart Maps

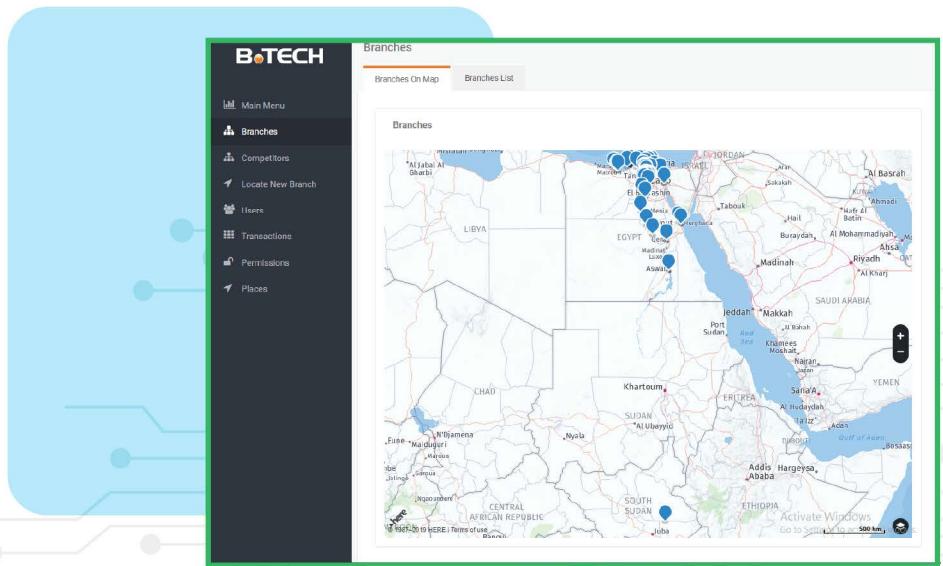**Client:** B.Tech

Sector: Business, Egypt

Duration: 3 Months

Solution: The system aims to identify the best locations for new B.Tech branches. It displays B.Tech branches on a map, along with their transactions and contact information, and compares them with competitors' data to aid in decision-making.

Tasks involve

1. Branch Mapping
2. Branch Management
3. Transaction Tracking
4. Location Detection
5. User Permissions

Awards

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

Governmental eServices Forum Award - Holy Makkah Municipality

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ITROOTS
we think globally