

Company Profile



 **Tech**
Technology **Solutions**
RFID Solutions





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OSMAN GROUP

A group of companies founded by Eng. Osman Ahmed Osman in 1974. OG is involved in several industries including construction, real estate, manufacturing, trade, agriculture, information technology, and logistics. Although based in Egypt, OG conducts a great deal of business overseas in MENA region and USA.

MISSION

OG mission as a business organization is to serve a wide sector of the corporate and government businesses, specifically in the Middle East, as well as the global community.

OG provide a wide range of products and services that include construction, building materials, gypsum products, insulation products, agriculture, information technology, and trading.

OG aim to achieve the maximum satisfaction of our customers by providing them with cutting edge technologies tailored to meet their goals, while strictly abiding to health, safety, and environmental standards.





OGTech an affiliate of the acclaimed Osman Group, is specialized in providing RFID solutions. We played a significant role in introducing Radio Frequency Identification (RFID) technology to the Middle East and North Africa (MENA) region.

OGTech offers customizable RFID solutions, combining the latest top-quality and hardware available on the market and state-of-the-art software developed by our in-house programming pioneers, which allow businesses to fully utilize various ventures. We take pride in being an RFID market leader in the region.

We deliver effective product development and project management to guarantee successful integration of our technology. We provide end-to-end solutions from system design to implementation to after sales services, in order to ensure customer satisfaction.

Since our establishment in 2007, OGTech has been focused on quality, innovation and combining the highest competences of our international partners.



MISSION

We aspire to provide innovative cutting edge RFID solutions, exceeding our clients' expectations in in quality, optimization and service.



VISION

We provide innovative cutting edge integrated solutions to ensure that technology remains an asset not a problem.

RFID

RADIO FREQUENCY IDENTIFICATION

RFID is a wireless form of identification technology that uses radio waves to read and capture information stored on a tag that is usually attached to an object. RFID technology has become the standard technology used worldwide when it comes to automatic identification and data capture due to its accuracy, applicability, durability, and simplicity. OGTech offers a wide variety of RFID applications from warehouse management to access control systems. RFID applications are endless in the sense that new implementations are being discovered all the time. We work towards helping our clients manage business operations smoothly and efficiently by customizing a solution to suit their specific needs.

HOW IT WORKS

Data is encoded on and read from RFID tags by an RFID reader using radio waves. An RFID reader transmits radio waves to the tag and provides the power for the tag to respond to the reader.

The data is then converted by the reader to digital information. The figure below shows the components



Radio waves that transfer the data between the reader & the tagged items

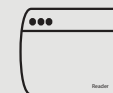
Reader that converts radio waves into digital information



RFID tags placed on items needed to be identified



Antenna that captures the tag ID number



A software that controls the application & generates powerful reports

OUR PARTNERS & SUPPLIERS

Listed below are our esteemed international hardware partners & suppliers. They play a significant role in ensuring that our solutions deliver the promised successful outcomes, on account of their dedication to quality



FEIG
ELECTRONIC

A German company founded in 1970. FEIG Electronics has a wide experience in the field of electronics manufacturing with special focus on the RFID devices. FEIG Electronics had the opportunity to be from the main partners in the project of operating the national IDs with the RFID technology for Germany.

- More than 300 employees with more than 70 engineers located in Weilburg
- Development and sales of standard- and customized products
- OEM supplier for system- and components manufacturers, integrators and reseller
- Lean & In-House Production



METALcraft
I.D. PLATES & LABELS

An American company founded in 1950. The worldwide pioneers in smart stickers, regardless of their application. Makes use of a wide range of materials to ensure ID products are durable and of the highest quality for their respective applications.



Atid
All that Identification

South Korean company Specialized and pioneer in manufacturing the hand-held RFID readers with the latest technology.



SEA, An Italian company founded in 1971 makes a wide range of powerful gates, taking various forms all available for motorized/automated control. SEA, established from almost 25 years ago. SEA has become a leader in the doors and gates automations field as a new reality provided of a vanguard system of production realized in an establishment which develops on over 11.000 sq. meters area.



Located in Netherlands and founded in 2000. Smartrac N.V. is a Dutch manufacturer of high security RFID inlays. It is the world's largest supplier of inlays for ePassports. Since 2006 its shares are listed on the Frankfurt Stock Exchange.



An American company that manufactures and sells marking, tracking and computer printing technologies. Its products include thermal barcode label and receipt printers, RFID smart label printers/encoders/fixed & handheld readers/antennas, and card and kiosk printers that are used for barcode labeling, personal identification and specialty printing principally in the manufacturing supply chain, retail, healthcare and



Honeywell invents and manufactures technologies that address some of the world's most critical challenges around energy, safety, security, productivity and global urbanization. They are uniquely positioned to blend physical products with software to support connected systems that improve buildings, factories, utilities, and aircraft, and that enable a safer, more comfortable and more productive world. their solutions enhance the quality of life of people around the globe and create new markets and even new industries.



German Company founded in 1946 Leading international provider for vehicle access control and pedestrian access control products for high-profile locations around the world Using highly advance technology referred to as MHTM (Magnetic High Torque Motor) which offers maintenance free operation in excess of 10,000,000 cycles



Italian Company founded in 1965 Specialized in automated and hydraulic mechanical gates and parking systems .



One of the few companies with totally integrated business cycle, RIB is an Italian manufacturer of automatic systems for gates, barriers, shutters and up-and-over doors. A leading company in both industry and the domestic sector, operating all over the world to bring peace of mind to installers and security to your clients. Behind this commitment is a company with ISO9001 certification from DNV since 1995, which offers the world's most powerful, high-performance operators and unique patented devices in order to provide convenient and intelligent solutions to meet every need.



Global New & Different
SMARCOM

SMARCOM, established since 2003, have kept going forward to develop and produce new products and solutions, which are all based on AUTO ID and Card Technologies. As a global market player of AUTO ID and Car Park Control System, SMARCOM are specialized in developing and manufacturing (Barcode modules/solutions, RF encoders/solutions, Magnetic modules/solutions and Web-based Car Park Management & System)



CHAINWAY

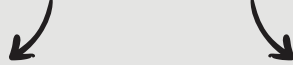
As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co.,Ltd is a professional provider of products and solutions of RFID, barcode and biometrics technologies. They are dedicated to helping clients of all industries enhance efficiency, maximize productivity and reduce operational cost.



CAME ÖZAK

was founded in 1974 and is the first and leading pedestrian and vehicle access control systems producer in Turkey. They operate in its own facilities having 24.000m2 covered area and exports to more than 80 countries. They are the correct choice for many companies in a broad geography covering Europe, Middle East, Arabian Peninsula, Far East, Asia, Russia and USA.

OBJECTS



Pro Patrol



FAMS



Book App



Jewelry Management System (JMS)



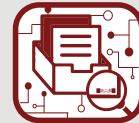
Weapon Tracking



Warehouse



Supply Chain



File Tracker



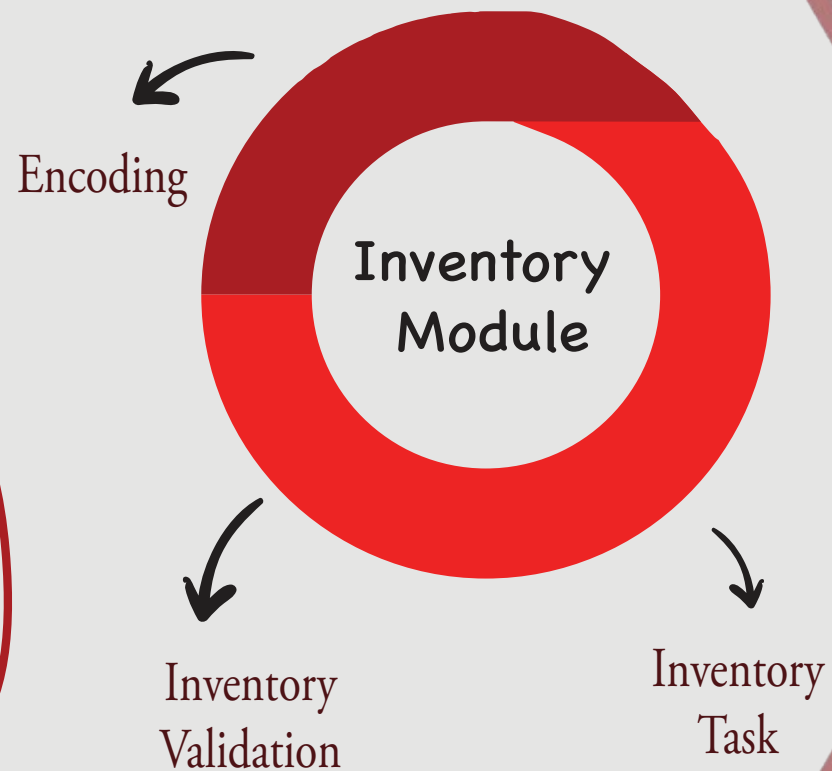
Home Automation Solution

Jewellery Management System



JMS is a web-based software application developed in OGTech to manage the different transactions and operations that occur in a jewelry shop with the option to be supported with RFID technology in some of its modules.

This project provides an effective managing platform to any jewelry shop for providing fast, reliable and comfortable service to the customers.



Jewelery Management System



Inshop

Finance

Reports Module

Anti-Theft Log

Purchase Transaction

Operation Module

Customized Transaction

Supplier & Workshop

Invoices

Profits

Finance Module

Payable

Revenue

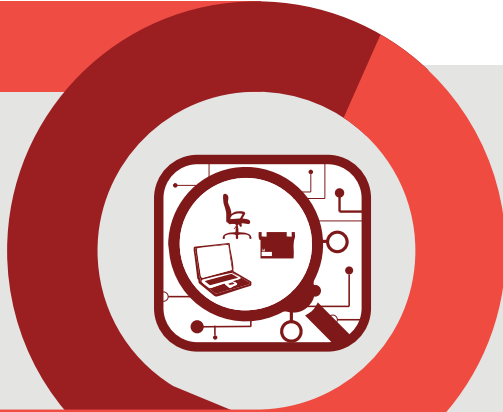
Expenses

Anti-Theft Detection

Anti-Theft Listener

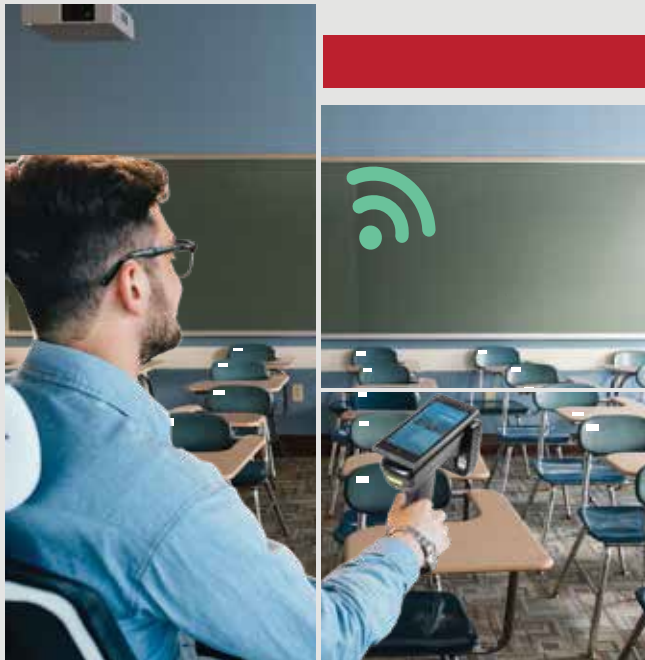
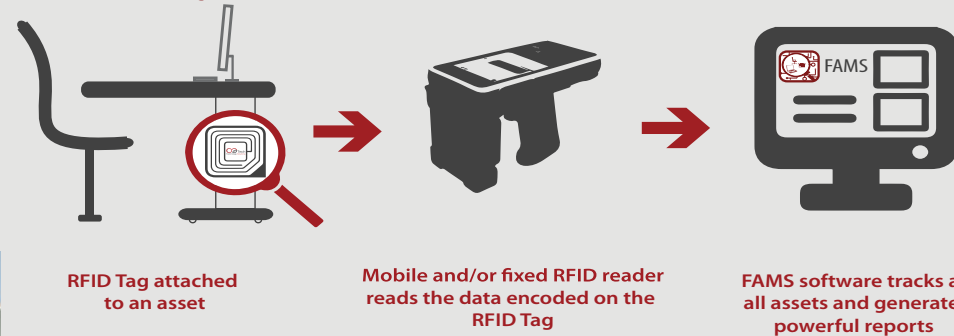


FAMS



FAMS is an RFID powered *fixed assets management system* that drastically simplifies asset tracking and management. Our hardware helps you locate assets instantly, while our software aids in asset management, as we design it specifically to cater to your specific requirements. The combination of our high quality hardware and customizable software allows you to optimize your prolonged inventory process, by making it more time and cost efficient.

The figure below demonstrates the mechanism of our **FAMS**.



SOLUTION BENEFITS

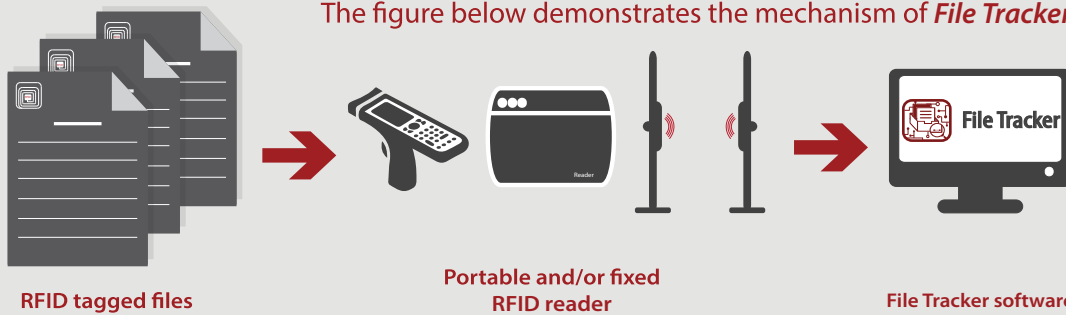
- Minimize Errors
- Search & Locate Tagged Items Easily
- Business Intelligence
- Time Efficiency
- Efforts reconciliation
- Facilitate Frequent Audit Cycles
- Increase Productivity
- Generate Reports

File Tracker



RFID File tracker is a UHF tracking and locator system used to track and locate documents and assets anywhere in the office, which reduce the physical, mental and cost challenges involved with managing security regulations.

The figure below demonstrates the mechanism of *File Tracker*.



RFID tagged files

Portable and/or fixed RFID reader

File Tracker software



Solution Benefits



Security



Reduce Cost & Effort



Recording Data



Monitoring



Generate Reports



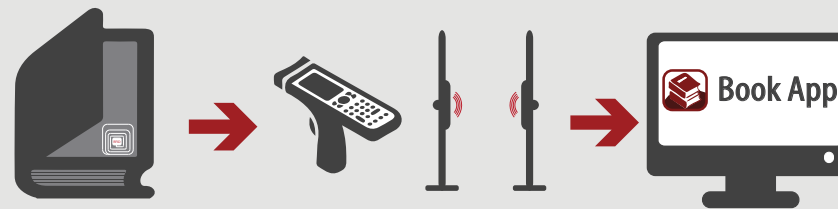
Search & Locate Tagged Files Easily

Book App



Book App is an RFID powered library management system that enables you to optimize library operations. Libraries often face many problem due to lost, misplaced or stolen books. RFID aids in providing the location and data pertaining to each book.

The figure below demonstrates the mechanism of **Book App**.



RFID tagged book

Portable and/or fixed RFID reader

Book App software

Solution Benefits



Minimize Errors



Search & Locate Tagged Books Easily



Anti-theft Detection



Enhance Operations



Generate Reports



Supply Chain



Supply Chain Management System is an RFID powered application that allows for end-to-end supply chain visibility. It allows you to keep track of all manufactured items from line of production, warehouse to retail stores. RFID in supply chain management is the best way to optimize your operations in order to maximize productivity.

Warehouse



The figure below demonstrates the mechanism of *Supply Chain Management System*.



Solution Benefits



Minimize Errors



Generate Reports



Recording Data

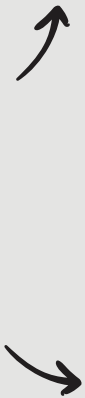
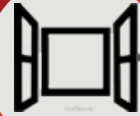


Anti-theft Detection



Reduce Cost & Effort

Home Automation Solution



OTHER
SOLUTIONS

Weapon Tracking



Weapon Tracking is an RFID Tracking System that automates the management and tracking of the weapons in the ministries of defence and the ministries of interiors, providing fast inventory and location with a powerful reporting system.

Pro Patrol



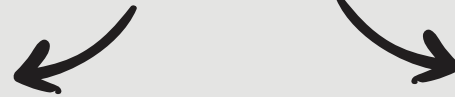
Pro Patrol is an RFID powered application that handles patrolling process on specific checkpoints, which is mainly composed of the *Pro Patrol* software, the RFID hand-held readers and the RFID tags. It is designed for the evaluation and reporting of the patrol data.

Card for All



One Card for All is an RFID powered application that is designed mostly for hotels and resorts. It allows the facility to streamline their operations and facilitates guest activities by simply allowing them to experience hotel facilities at a superior level by using RFID wristband or card to gain access to their room, designated areas and even allows them to make purchases in the hotel. This wristband/card can be used to access in-room safes, gym, lockers, health club facilities, business centers and so on.

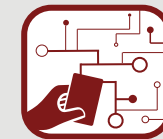
PEOPLE



**OUR
SOLUTIONS**



Secured Student



Card for All



Access Control

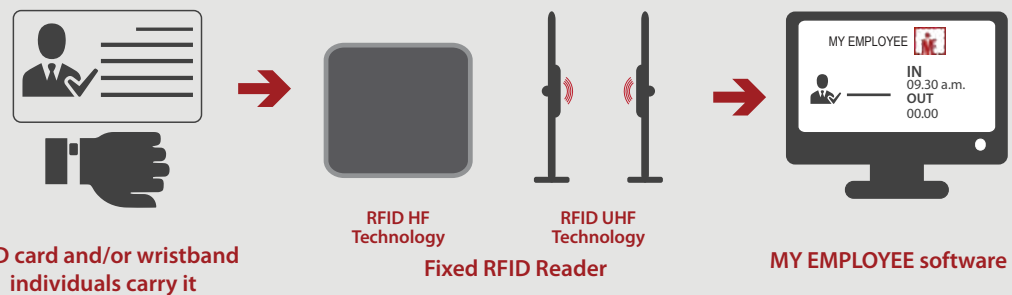


My Employee











My Employee is an HR software system which is powered by RFID attendance control system that allows you to monitor Punctuality & attendance while simultaneously keeping records of each employee. Also the system can generate customized & General reports. Because My employee Matters.

The figure below demonstrates the mechanism of *MY EMPLOYEE*



Solution Benefits

-  Seamless Fully-Automated Operation
-  No Queues
-  Minimize Errors
-  Security
-  Generate Reports
-  Hygienic
-  Identification
-  Recording Data

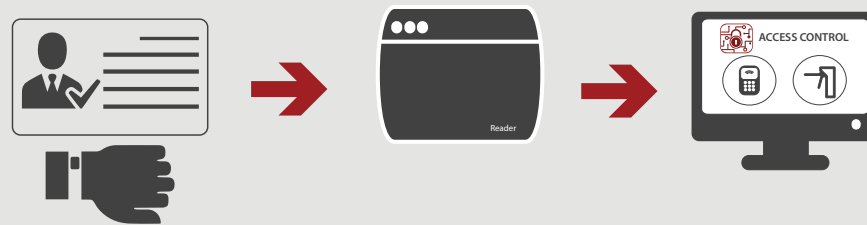


Access Control



RFID powered Access Control System that limits access of designated areas to authorized personnel only. This automatic identification system allows for heightened security, and easy admission for selected individuals.

The figure below demonstrates the mechanism of *Access Control*.



RFID card and/or wristband individuals carry it

Fixed RFID reader which reads the data encoded on the RFID cards and /or wristband

Access control software which limits access to authorized individual only



Solution Benefits



Security



Organized Operations



Identification



Recording Data



Healthy Environment



Monitoring



Generate Reports



Customer Satisfaction

Secured Student App



RFID powered **Secured Student App**. ensure full monitoring of students during school hours through four modules :

The figure below demonstrates the mechanism of **Secured Student App**.



School Entrance Module

Secured Student App. gives us safety, full access control and automatic organized time attendance. Link your Secured Student App. with your own school entrance, school hours and employees payroll.

Cashless Break Module

Secured Student App. handle all our students activities with no headache or danger. Cashless payment gives us the high extinct way to satisfy student needs. No worries about theft or misuse.

Bus Module

Make safe full monitored trip from home to school to home again with the synergy of RFID and GPS we have acute record about the time and location of students the whole route.

Classroom Module

Secured Student App. takes care of your student through your supervision time. Calm down and monitor each and every step of your students classroom, library, laboratory, mosque, church and playing area.

Solution Benefits

-  Generate Reports
-  Identification
-  Profitability
-  Monitoring
-  Security
-  Privacy



VEHICLES

OUR SOLUTIONS



Smart Traffic



Smart Gate



Smart Parking



Smart Parking



Smart Parking System is an RFID powered application that easily manages parking lots and helps the vehicle drivers to locate an empty place to park and also find their vehicle through :

- 1 Readers
- 2- Identification tags
- 3 ANPR cameras

- 4 Automatic ticketing
- 5- Billing station
- 6 Guidance system and many other accessories

Solution Benefits



Security



Save Time



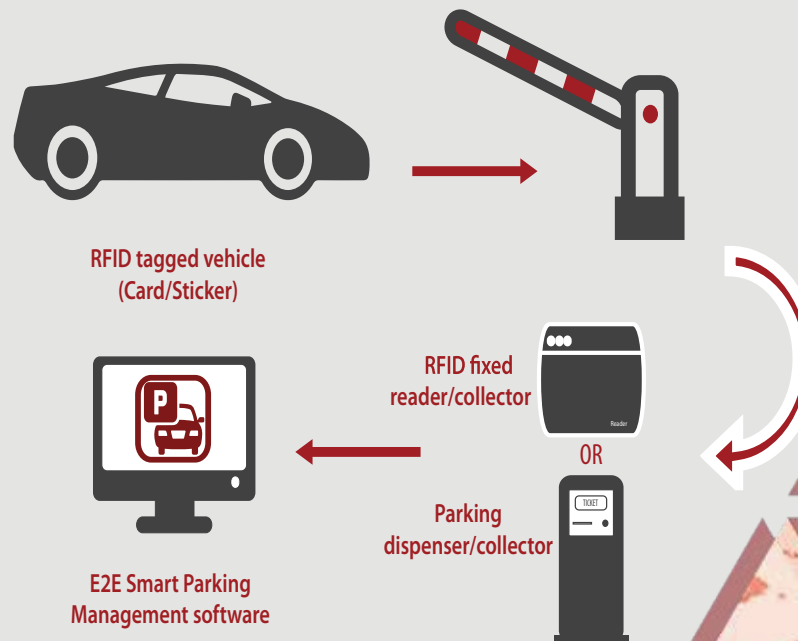
Real Time Visibility



Improve Customer Service



The figure below demonstrates the mechanism of *Smart Parking*.



Smart Traffic



Smart Traffic is a solution for better traffic management that includes different road types, high way roads, bridges and tunnel. The solution guarantees a safe and fully automated tolling for vehicles on speed of more than 200km/hour, it also provide a facility of identifying the nearest emergency vehicle and real time notifications of road incidents .

Solution Benefits



Easy Tolling
Credit/Debit

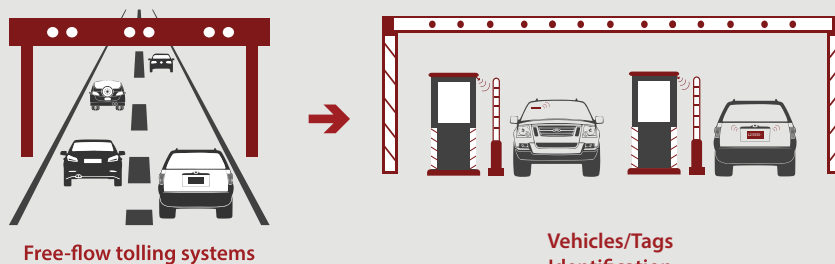


Eliminate
The Risk Of Accident



No Traffic Jam

The figure below demonstrates the mechanism of *Smart Traffic*.



Smart Gate



Smart Gate is an RFID powered vehicle access control application that allows users to enter a designated area through automatic identification. Our application also comprises a data capture ability that enables executives to better manage the designated area, whether it's a compound, mall or administrative building.

The figure below demonstrates the mechanism of *Smart Gate*.



Solution Benefits

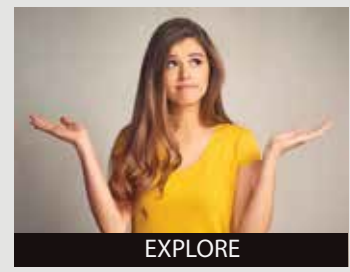
- Marketing Tool
- Identification
- Profitability
- Security
- Distinction
- Applicability
- Privacy

Easy In



Secure, convenient, and easy way to control and manage your facility access for both residents and visitors. In addition to managing your facility requests with a click away, providing the simplest experience while being on-top of all movements.

Is providing a robust mobile application for end-user with a friendly interface backend control panel for the facility using highly secured QR code access system, by a press of a button, residents can send invitation to their families and friends choosing the proper time and data, granting a very personalized access to the invitee only in the scheduled time. Availing a communication channel with the facility management in an easier and much efficient way through the application.





INDUSTRIES

- **SMART CLUBS**
- **SMART UNIVERSITY**
- **SMART SCHOOL**
- **FACTORIES**
- **FASHION RETAIL (RMS)**
- **HOSPITAL MANAGEMENT SYSTEM**
- **COMPOUNDS**
- **MALLS**

SMART CLUBS

FAMS

Gate Entrance

Tracking Module

Cashless Payment

Access Control



SMART UNIVERSITY

Cashless
Break
Module

Access
Control

Gate
Entrance

FAMS

Attendance
Module

Book
App
Module



SMART SCHOOLS

FAMS

Cashless Payment

Access Control

Attendance Module

BUS Module



FACTORIES

RAW
Material
Receiving

Factory
Staff

Production
Line
Management

warehouse

Material
Checkout

Smart
Gate
&
Encoding

Storage
of Raw
Material

Product
Stocking



FASHION RETAIL (RMS)

Easy Help Request

Easy Return Process

Easy Check Out

Smooth In-shape Receiving

Easy Item Tracking

Easy Check In



Cashless Payment Availability

Easy Item Checking



Theft Detection

HOSPITAL MANAGEMENT SYSTEM

Smart Gate

Patient File Tracking

Fleet Tracking

Staff Tracking

Staff File Tracking

Hospital Warehouse

Laboratory Management

Blood Bank Management

Child\Newborn Tracking

Patient Tracking

Pharmacy Items Tracking

Medical Device Tracking

FAMS

Hospital Laundry Management



COMPOUNDS



Easy In

Smart Gate

Home Automation

MALLS



Smart Parking

Chashless Payment

BANKS



INDUSTRIES

HOTELS



FAST FOODS



MEGA PROJECT BRIEF

United Arab Emirates Ministry of Health:



وزارة الصحة

MINISTRY OF HEALTH

OGTech provided FAMS solution with RFID devices that facilitated the inventory process for the whole assets. The solution covered up to 1 million assets and the event was published in the RFID Journal as one of the biggest RFID applications in the Gulf area.

Qatar Public Prosecution:



Mega office in Doha has launched what it bills as the largest RFID-enabled file-tracking deployment in the world. With 1,006 read points spread across a 46-story tower, the system enables the office to track the movements and locations of 70,000 files down to a particular corridor, office or stairwell.

RFID Journal Article: <http://www.rfidjournal.com/articles/view?17456>

MEGA PROJECT BREIF

Elsewedy Electric:

ELSEWEDY
ELECTRIC



In most of Elsewedy Electric factories, there are four main areas – raw materials, production/ sub-assembly, quality and finally, the finished product. OGTech is covering these steps in up to 26 factories with target to accomplish the project by 2021

Bibliotheca Alexandrina:

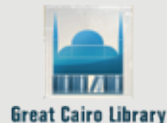


BIBLIOTHECA ALEXANDRINA

مكتبة الإسكندرية

OGTech provided Book app solution, including library management system to track and identify books. The solution is operated by RFID for more than 1,200,000 books in order to prohibit the stealth and loss of book and provides an easy experience for borrowing books.

SIGNIFICANT REFERENCES (Egypt)



SIGNIFICANT REFERENCES (Egypt)



SIGNIFICANT REFERENCES (GCC)



SIGNIFICANT REFERENCES (GCC)

تقنيات المكتبات
LIBRARY TECH

AL FAHAD
Al Fahad History Systems

Xpandretail
presented by Savant

SAVANT
QATAR NATIONAL LIBRARY

وزارة الصحة
MINISTRY OF HEALTH

جامعة أبوظبي
ABU DHABI UNIVERSITY



SAUD BAHWAN Group

مؤسسة قطر
Qatar Foundation



مكتبة قطر الوطنية
QATAR NATIONAL LIBRARY

الإسلامية للتأمين
Islamic Insurance



مطار حمد الدولي
Hamad International Airport
QATAR



المستشفى الأهلي
AL-AHLI HOSPITAL



القمر القابضة
AL QAMRA HOLDING

bibliotheca
transforming libraries

HOLOTEQ
GROUP



ماليزيا إيرपोर्टس كونسلتانسي سيرفيس ميديا إيست
MALAYSIA AIRPORTS CONSULTANCY SERVICES MIDDLE EAST LLC



QCS

AGT BRIGHT

BIS
Bright Information Systems WLL
معلوماتية الأنظمة الإلكترونية بريم

CROWNE PLAZA
AN IHG HOTEL
RIYADH

AUM
American University of the Middle East

AWR ROSTAMANI
Trading Company LLC



مجموعة المال
AL MULLA GROUP

الرائدة
AL RA'IDAH



Weill Cornell
Medicine-Qatar

BGS
BARCODE GULF SOLUTIONS



تقنيات المكتبات
LIBRARY TECH

edutech

REDA



Radisson
HOTELS & RESORTS



FBA Real Estate

NSHAMA

EZDAN
Real Estate العقارية
إزدان

EZDAN
HOLDING القابضة
إزدان

FBA Real Estate

TAGSTONE
wireless business intelligence

Nexuslib

SCREEN
CHECK

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