



Karam Al-Arrouba Co.



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CONTENTS

INTRODUCTION

- | KA GROUP
- | Karam Al-Arrouba
- | History

BUSINESS AREA

- | BUSINESS OVERVIEW
- | CONSTRUCTION
- | MANUFACTURING
- | ENERGY
- | TRADE
- | INVESTMENT

PROJECT

- | PROJECT OVERVIEW
- | ELECTRICITY
- | OIL & GAS
- | WATER
- | MANUFACTURING
- | CONSTRUCTION
- | MEDICAL CARE
- | FINANCE
- | E-COMMERCE
- | LEISURE

Solution for your Energy

Karam Al-Arouba is committed to providing integrated solutions and professional services for our customer's power projects from project development to EPC, Commissioning and O&M.





Our Vision

To become a world leader in our business areas because of our human resources, expertise, service excellence and business integrity. KA Group is one of the best enterprise group to offer its clients superior and practical solutions that are applicable and to be the first choice for investors who are looking for quality and honesty together in business area. Our services are always above the expectations of our customers.

Our Mission

Commitment to the highest standards of quality and honesty in providing our services to our customers and improving the level of institutional performance. We spare no effort to meet the needs of our customers and to be above their expectations of providing outstanding service. We seek to build and maintain the professional and personal relationships with our clients and gain their confidence and customer satisfaction. We use the best professional skills and modern scientific solutions in providing our services and preparing leaders and specialized cadres. The continuous development and the search for all new is appropriate to the nature of our business and customers and to the markets in which we work with the protection and development of investments.

BUSINESS AREA



General Trading



Real Estate Investments



Commercial Agency



Heavy Equipment



Electrical and Mechanical Service



Maintenance and Rehabilitation of Power Plant and Industrial Engines



Technical and Vocational Training

GLOBAL NETWORK



Karam Al-Arouba
Superior Technology Systems
Emirates Technology
Global Superior Power Solution
Global Advanced Energy



STS FZ LLC
STS DMCC
General Energy Development DMCC



General Energy



Karam Al-Arrouba Co., Ltd. as a multinational company, which had been established in 2012 for construction, manufacturing, energy, trade, investment for diverse global business in the world.

We provide high quality products, manpower and technical services for the segment of project design, finance, procurement, construction, commercial operation and maintenance.



Company Overview

- Company: Karam Al-Arouba Co.
- CEO: Mohammed Al-Hassani
- Date of Establishment: March 16th, 2012
- Major Business Area: Real state Investment , Maintenance and Rehabilitation of Electrical Stations.

Contact Information

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Our objective is to become a company with purpose.

It is our objective to build a long term career in energy with opportunities for career growth, by keeping up with the cutting edge of technologies, using our skills in the best possible way for achieving the company's goals, through solving the problem in an effective/creative manner in a challenging position, we will continue do our best to provide our clients with the most innovative products, the best value of the cost with an reliable services.

Executive Summary

Mission

A world leader in in electric energy sector.

Vision

Contribute to providing advanced and workable solutions of energy by provide wide range of services in the field of power generation, transmission and distribution, electricity market and power quality.

Core Value



Communication and Trust

- Seeking Mutual Benefit
- Corporate Social Responsibility
- Customer-focused Management
- Contribution to Customers, Society, and Humanity



Honesty and Legality

- Fair Competition
- Compliance with Principles



Professionalism

- Specialists with Competence and Potential
- Sense of Ownership
- Competence Development



Globality

- Leadership in a Changing World
- Open-mindedness
- Flexibility
- Change and Innovation

Company History

2017-2018-2019

supplying spare parts, Heavy Equipment's , Materials, Manpower in the four 900MW Diesels power plants - Contract No.40 with MOE.

2020-2021-2022

Starting the Construction work in our 3 Factories:

1. Lub oil Blending Factory.
2. Filter manufacturing Factory.
3. Turbine Workshop.

2016

Supplying Manpower for the operation and maintenance work in the four 900MW Diesels power plants - Contract No.40 with MOE.



2014

Began Supplying electrical street poles For Al-Najaf Governorate.

2012

- Starting Construction work for Al-Diwaniya substation.
- supplying electrical transformer with different capacities.

2015

- Supplying Heavy equipment's, Materials for HDGSK JV- Karbala Refinery Project.
- Logistic Follow up work for HDGSK JV- Karbala Refinery Project.

2013

- supplying equipment's For AL-Noor Village construction.
- supplying manpower for the operation and inspection work of Al-Noor Village construction.
- Supplying transformers to Dhi Qar substation.



Business Overview





Construction



Manufacturing



Energy



Trade



Investment

CONSTRUCTION



Construction Area

- Building
- Transportation infrastructure
- Industrial
- Power plant
- Railways



Our Construction Services



Designing

- Architectural
- Electrical
- Mechanical
- Plumbing
- Interior



Planning

- Project Engineering
- Project Planning
- Simulation of an Actual Execution



Manpower

- Project Managers
- Supervisors
- Engineers
- Inspectors
- Workers



Procurement

- Purchasing System
- Building Materials
- Raw Materials



Construction Execution

- Quality Management
- Researching
- Supporting System
- Asset Valuation
- Conclusion



Equipment, Tools Supply

- Rental
- Operation
- Maintenance



Safety & Environmental Services

- Safety Culture
- Safety Event Reporting
- Risk Management



Tracking Project Process

- Schedule Development
- Schedule Baseline
- Direct & Manage Project Execution
- Effort Tracking Process
- Integration change control

MANUFACTURING



Manufacturing Process



Manufacturing Cycle



Manufacturing Steps



Research



Planning



Analytics



Designing



Prototype



Testing



Quality Control



Inspection



Packaging



Scheduling



Delivering

ENERGY



Energy Services



Power Plant



Transmission



Renewable



Gas(LNG & LPG)



Crude oil



Refinery

Our Suppling Services

- Construction Materials
- Manpower
- Heavy Equipment's
- Catering Services
- Security Services
- Medical Care Services
- Laundry Service
- Maintenance Service
- Temporary Accommodation



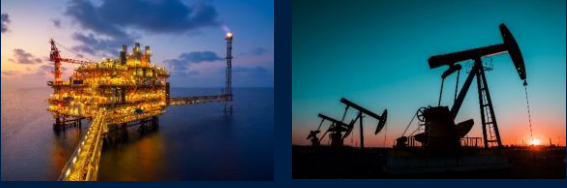
TRADE



General Trading Services

Our General Trading Services assist our partners and clients with the acquisition of quality goods and services at the best possible price.

Crude Oil



LNG / LPG



Material / Component



Medical Products



General Merchandise



Bio Products / Eco-Friendly Products



Engine / Parts



Heavy Equipment / Vehicle



Investment



Investment Sector



CCPP



Thermal



Renewable



Desalination (Water)



Composite LPG cylinder



Residential Complex



Hotel



Golf Club

Investment Goals



- Risk Tolerance
- Tax Liability
- Investment Time Horizon
- Liquidity Payment
- Total Wealth
- Income Level

Investment Strategies



- Passive and Active Strategies
- Growth Investing
- Value Investing
- Dividend-Paying Stocks
- Money Market Funds

Project Overview

KA Group is fully dedicated to delivering successful projects.
Our focus on creating and sustaining value for customers will last forever.





ELECTRICITY PROJECT

Electricity is an important source of power for industries in a country and an essential necessity in our life. While failure to maintain balance between power production and consumption lies behind the endemic power shortages in many developing countries, “building a stable electrical power infrastructure” in such country remains top priority for its industrial development. To that end, the developing countries’ government is pushing multiple power projects as a part of their endeavor for power generation, transmission and distribution.

In many developing countries, We are promoting establishment of power infrastructure through gas-to-power projects, combined cycle power projects, and other power projects fueled by recovered gasses. In addition, we strive to efficiently operate and to ensure a stable power supply through O&M projects and plant rehabilitation projects.



IPP Project

Making use of our project financing capability and experiences in power plant construction and O&M services, our IPP Projects supply stable electricity to developing countries and contribute to the nations energy and financial sectors.



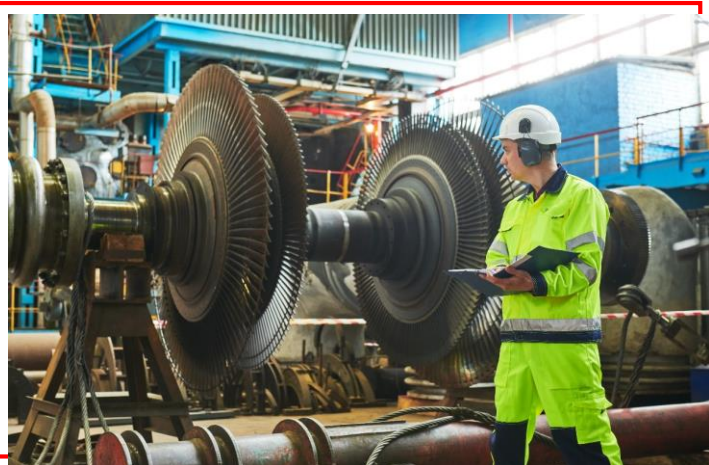
Power Plant O&M Project

KA Group's Power Plant O&M Project offers comprehensive services ranging from engineering, procurement, construction to efficient operation and systematic management of plant facilities. Our EPC, O&M integrated solution finds the best solution to achieve reduction of maintenance cost and to improve power generating efficiency at the same time.



Power Plant Rehabilitation Project

The goal of KA Group's 210MW Power Plant Rehabilitation Project is to return the local electricity supply to normal by restoring long-term suspended • damaged power plant. Beyond improving the generating efficiency • economical efficiency of power plants and the reuse of power generating facilities, the restoration of old power plants is expected to bring significant ripple effects across the society and economy including creation of new local jobs.



OIL & GAS PROJECT

Oil & Gas is not only used as a fuel for power generation, but also used as important sources of petrochemical products that are also necessary for the whole industry. As oil and gas are basic industrial resources, it is evident that stable supply of oil and gas is a worldwide demand. KA Group is making efforts to ensure efficient and effective utilization of oil and gas by its Oil & Gas Projects including Lubricant Oil Manufacturing Project, LNG FSRU Project, LNG Carrier Project, and LPG Station Project that supply • recharge liquefied petroleum gas around the country.



Lubricant Oil Manufacturing Project

With our Lubricant Oil Blending Plant under construction in Baghdad, KA Group wish to make the goal of producing • supplying lubricants domestically a reality. Adopting the frontier technology for producing quality lubricant products, our Lubricant Oil Blending Plant capable of producing up to 660,000 drums a year, is expected to become the main manufacturing base and the foundation of petrochemical development in Iraq.



LNG FSRU Project

Our investment project to build LNG combined cycle power plant (CCPP) in the Al Faw Grand Port in Basra accompany construction of FSRU. The introduction of floating storage, and regasification unit, the FSRU, that can store natural gas in large quantities for long periods of time, is a new solution to reduce investment costs and shorten the construction period, compared to the construction of a land-based LNG terminal.



Gas Transportation Project

The goal of KA Group's Gas Transportation Project is to maintain stable offshore LNG supply by operating the latest LNG Carriers. will create a foundation for LNG value chain that covers both the production and supply of natural gas.



LPG Station Project

We are under discussion with the Iraqi government on an additional investment project for filling, supplying and inspecting LPG in relation to our business investing in Composite LPG Cylinder Manufacturing Plant and selling the manufactured Cylinders. We will build LPG Stations across the nation and ensure ongoing commitment to safety by practicing a thorough safety management system, regular inspections, and routine maintenance programmes.



WATER PROJECT

Water, is the source of all life and the most fundamental human need.

However, while its geographic location and dry climate making MENA region the most water-scarce region in the world, global warming is making the population face imminent, severe water crisis. High non-revenue water and poor sewage treatment are also factors that constrain water availability and efficient management of water resources. KA Group is actively pushing Desalination Project and Wastewater Treatment Projects in coastal cities in the Middle East. With this, we expect to increase average share of clean water, to support industrial infrastructure development, and to manage water resources efficiently. Water resources in the MENA region are not a matter of national interest, but of national survival. Clearly recognizing such importance, we will provide a realistic solution to water crisis.



Desalination Project

Securing stable water resources is crucial for human survival and national security. As the world is now experiencing water scarcity or draught conditions, water desalination is increasingly being used to provide drinking water around the globe and the market demand is projected to grow day by day. Currently, more than 21,000 desalination plants are in operation worldwide, and the largest plants are located in the dry MENA region, including Saudi Arabia, the United Arab Emirates and Israel.

For cities that are both dry but coastal, seawater desalination is both a sensible and competitive option. In particular, our Desalination Project constructing a 750,000 tons/day seawater desalination plant in the Middle East is expected to have a huge ripple effect on the development of related industries and the expansion of national finances by meeting the demand for infrastructure in new towns near the sea. We, KA Group, share together the challenge of fighting climate change and geographic determinism with science and technology.



Wastewater Treatment Project

KA Group's Wastewater Treatment Project intends to fulfill its responsibilities in protecting water resources in developing countries, securing safe drinking water, promoting public hygiene and health, and protecting the ecosystem and environment by constructing sewage and wastewater treatment plants.



MANUFACTURING PROJECT

The basic industrial technology in Iraq is far behind developed countries. In particular, hot parts and suction filters for power plant are mostly imported from abroad or must undergo months of transportation and regeneration & repair. To break this low-efficiency, high-cost structure and accumulate superior manufacturing technology, KA Group is working with the Iraqi Ministry of Electricity to build turbine parts refurbishment plant and filter manufacturing plant together with South Korean companies and manufacturers.

In addition, we are under a special project to supply Composite LPG Cylinders to eliminate the explosion risk inherent in existing Steel LPG Cylinders and to prevent manufacturing of homemade bombs. The plant construction project to manufacture Composite LPG Cylinders will enable the supply of more safer and more stronger household liquefied gas containers.



Turbine Parts Refurbishment Project

KA Group's turbine parts refurbishment plant offers refurbishment, repair, production, and machining of rotary and hot parts used in gas turbine or steam turbine power plants. In particular, we are working with certified repairmen to provide professional repair and regeneration services for major gas · steam turbines including that of GE, Siemens, and Alstom in Iraq to extend the life of power plant facilities, supply cost-effective turbine parts, and to provide stable power around the country.



Filter Manufacturing Project

KA Group's Filter Manufacturing Plant is a factory capable of producing all types of air filters for all purposes including but not limited to industrial use and commercial use. The self-cleaning air filtration filter for gas turbine intake, a major product of our factory, is an essential component for gas turbines, generators and compressors to protect the blades and to improve operational performance.



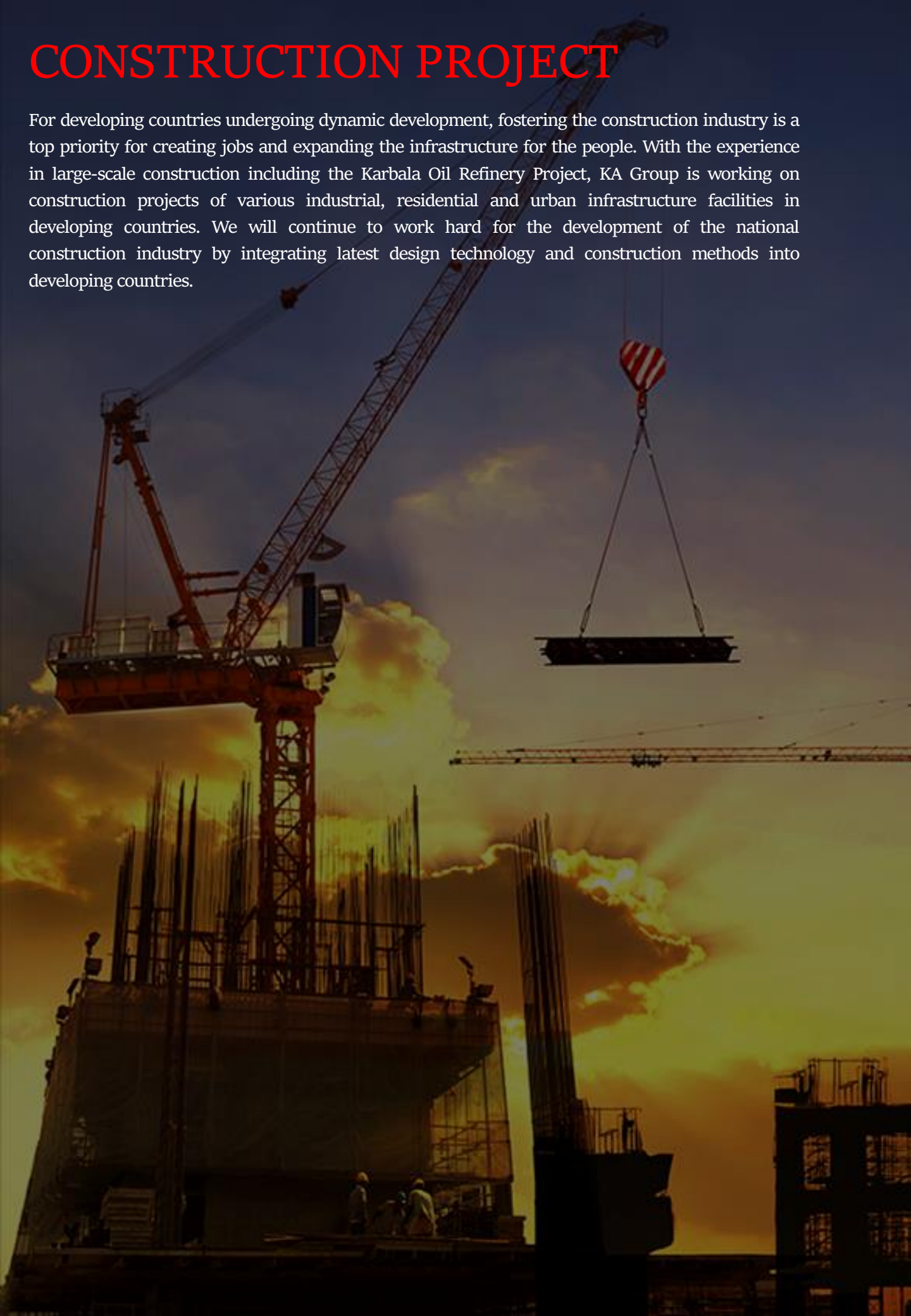
Composite LPG Cylinder Manufacturing Project

Composite LPG Cylinders are designed as an alternative to Stainless Steel LPG Cylinders. Introducing a state-of-the-art technology with our technical partner, we are directing and organizing a pioneering project to build, own, and operate a Composite LPG Cylinder manufacturing plant and produce Composite LPG Cylinders made with high-performance polymer and composites. By domestic manufacturing and supplying quality Composite LPG Cylinders with high safety standards, we plan to meet the demand from both households and the industry.



CONSTRUCTION PROJECT

For developing countries undergoing dynamic development, fostering the construction industry is a top priority for creating jobs and expanding the infrastructure for the people. With the experience in large-scale construction including the Karbala Oil Refinery Project, KA Group is working on construction projects of various industrial, residential and urban infrastructure facilities in developing countries. We will continue to work hard for the development of the national construction industry by integrating latest design technology and construction methods into developing countries.



Plant Construction Project

KA Group's Plant Construction Project to build and operate industrial plants in developing countries aims to contribute to the continuous industrial development and national economic development of the country.



Power Plant • Refinery Construction Project

In cooperation with the state government, KA Group participate in construction projects of power generation facilities and oil refineries, making efforts for the stable growth of nation's industrial foundation in oil-producing countries.



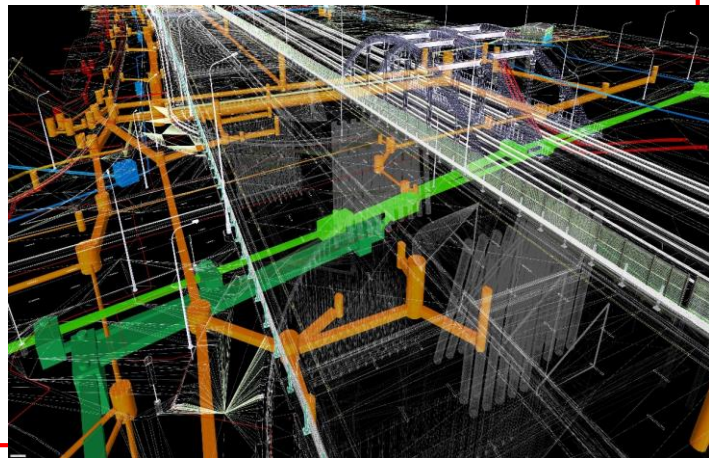
Residential Complex Construction Project

By developing construction technologies that will make up for insufficient domestic technological capabilities, KA Group will lay the foundation for technological independence and create a cycle of breaking away from dependence on overseas orders. Based on improved technological competitiveness, we will work with the governments of developing countries to modernize residential facilities by grafting local technologies to our Residential Complex Construction Project.



SOC Construction Project

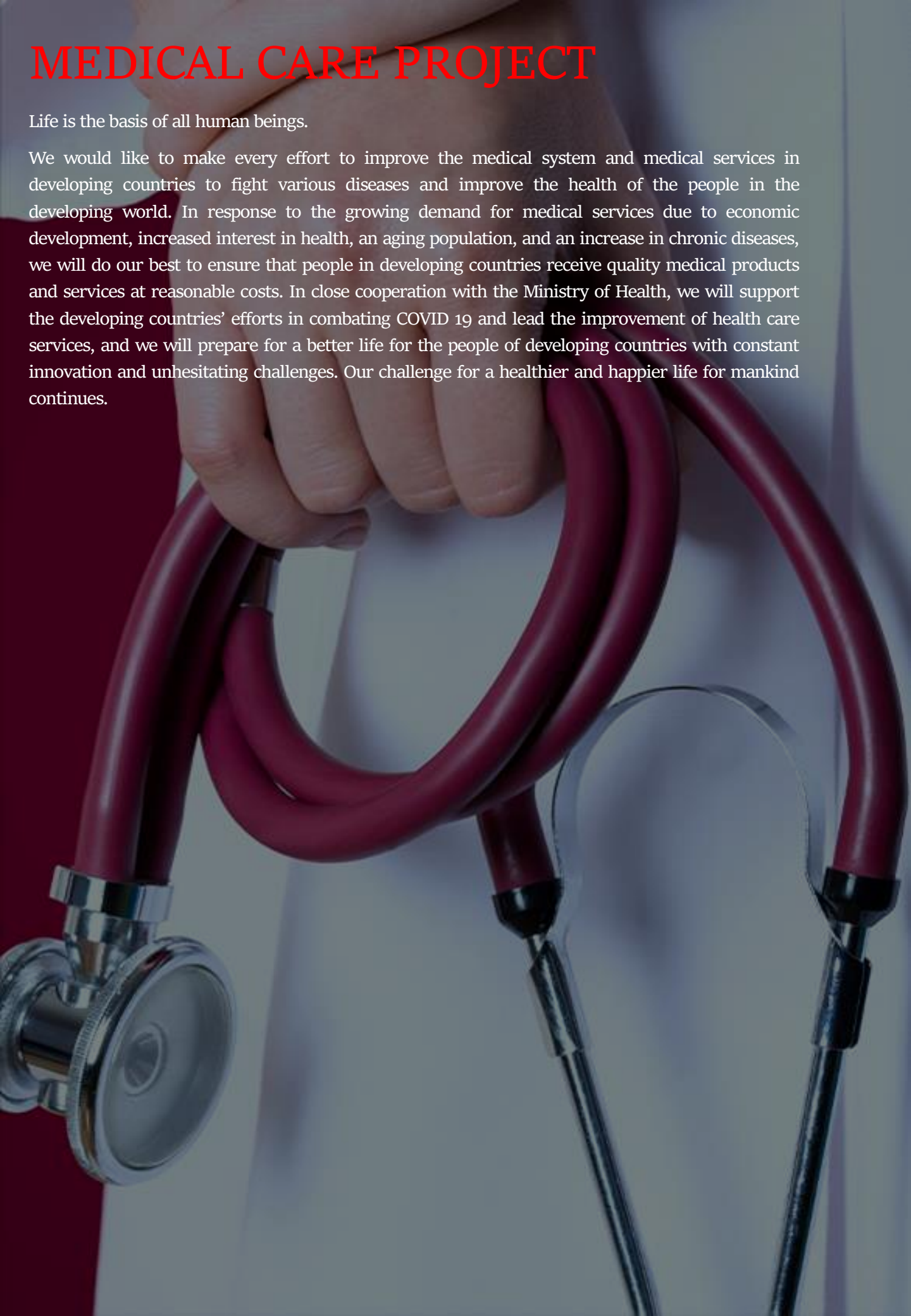
Infrastructures such as roads, power grids, and water supply facilities, which are important elements of urban planning and design, require long-term planning and extremely large amount of state expenditure from the state or municipal government. In many developing countries, we are working closely with the government and many multinational companies to construct and/or upgrade government-led infrastructure projects including roads, ports, bridges, power grids, water supply facilities, gas pipelines, and sewerage facilities.



MEDICAL CARE PROJECT

Life is the basis of all human beings.

We would like to make every effort to improve the medical system and medical services in developing countries to fight various diseases and improve the health of the people in the developing world. In response to the growing demand for medical services due to economic development, increased interest in health, an aging population, and an increase in chronic diseases, we will do our best to ensure that people in developing countries receive quality medical products and services at reasonable costs. In close cooperation with the Ministry of Health, we will support the developing countries' efforts in combating COVID 19 and lead the improvement of health care services, and we will prepare for a better life for the people of developing countries with constant innovation and unhesitating challenges. Our challenge for a healthier and happier life for mankind continues.



General Hospital Project

KA Group's General Hospital Project is a modern, up-to-date 500-bed general hospital construction project to fill the medical needs for a rapidly growing industrial zone. By establishing an advanced general hospital, we plan to provide the best medical services to the local community and maximize the ripple effect by associating with adjacent industrial facilities and local medical institutions.



Medication • Supplies Project

To achieve the more ambitious goal of "development of the medical industry in developing countries," KA Group is pursuing its project to supply medicines and medical supplies as priority. We plan to meet the urgent demand arising from pandemic by supplying COVID 19 test kit products and related supplies, and to meet the need for disease treatment • prevention • management by supplying excellent medical devices.



Healthcare Service Project

KA Group will do our best to provide timely and affordable medical services with high quality medical services for those in need by building a variety of medical infrastructures, training medical staffs, dispatching professional doctors and nurses, and building medical systems including health insurance. Our healthcare service project will secure accessibility and equity of medical services, improve the quality of the population's life and contribute to the development of society by making efforts to maintain support and management at the national level through close cooperation with the government.



FINANCE PROJECT

It is evident that countries with developed financial systems grow at faster rates. Getting the financial system to function more effectively is thus a task for a country to promote continuous economic growth. Our engagement in the Financial Services Industry is directed towards playing a crucial role in financial intermediation between sound and well-developed financial system and economic growth of the country. Despite the banking system being by far the most important part of the financial system in Iraq, it is small compared to MENA region and its operations are inefficient. KA Group's Investment Bank Project aims to establish a bank with the strength and business expertise that offer a full range of products and services and finance large projects, improving the overall banking climate and helping stimulate the development of the financial infrastructure over time. Development of a reliable financial media is also important in removing waste and inefficiencies in conventional financial practices. Adopting high overseas technologies and systems, we seek to further strengthen the payment system, thereby eliminating resource wastes from use of cash

IPP Project Financing

For large-scale infrastructure and industrial projects like IPP Project, KA Group is cooperating with companies with abundant accumulated experience in PF projects and with a wide range of financial intermediaries and export credit agencies that offer financing. As the sponsor of the project, maintaining financial stability of the projected cash flow and mitigating any or all risk associated with the project has always been our top priority. For this reason, we are dedicated to developing promising projects for commercial operation, creating partnership and strong business alliance with the world's most admired EPC/O&M companies with high corporate reputation in the industry, and ensuring profits for each party involved. With such effort to lead a successful project, our greatest purpose is always for the benefit of the public, of more people in the developing world.



Payment Gateway Project

KA Group's Payment Gateway Service is not limited to providing the physical card-reading devices found in retail stores, but also provides payment processing portals found in online stores, thereby allowing merchants to accept online payment for their goods and services. A safe and stable Payment Gateway will allow merchants to start an online business more easily than ever, enable more people to engage in online shopping mall industry, and accelerate the speed and increase the volume of online transactions. And as the culture of digital payment service is well established in the country, we expect to see an evident/clear decrease in the high operational costs on the economy and merchants cash payments bring due to collection, processing, and safeguarding.



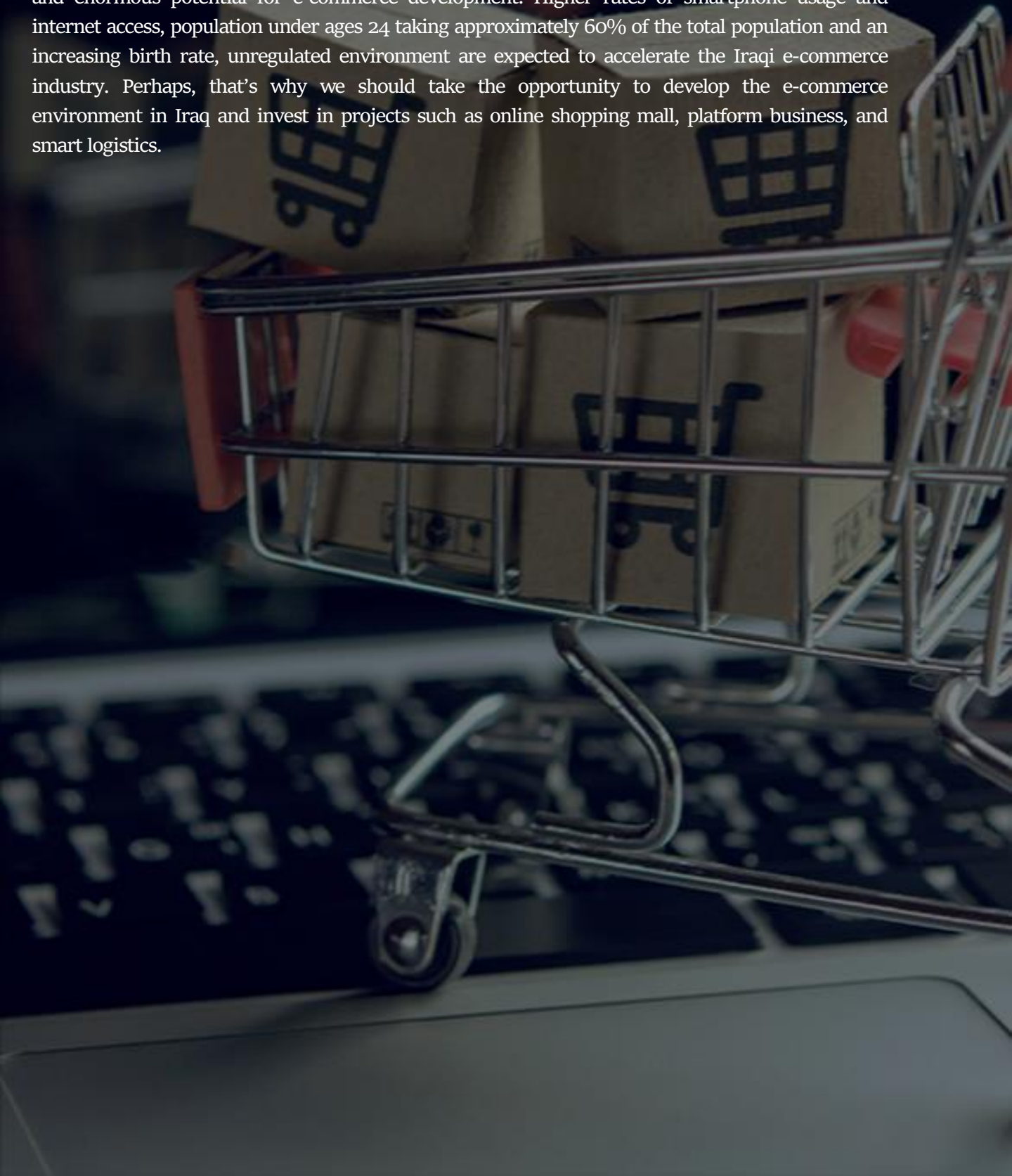
Investment Bank Project

Leading the country's economic growth, and contributing to the prosperity of the country's population, is where our Investment Bank Project is oriented towards.



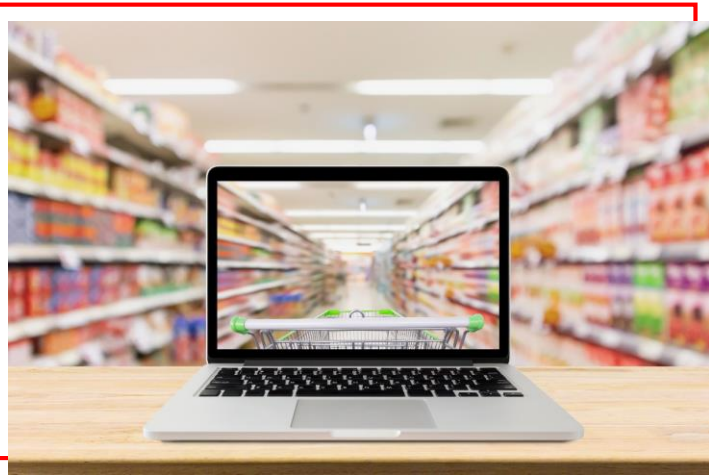
E-COMMERCE PROJECT

Regarding the e-commerce and the digital economy in Iraq, the country is undergoing attempts to rebuild infrastructures including the telecommunications infrastructure as decades of armed conflict have ruined the infrastructures needed to engage in e-commerce in the country. There are also challenges that hinder e-commerce in Iraq; lack of ICT knowledge and skills, unstable physical network infrastructure, lack of investments, etc. Nevertheless, there are much more opportunities and enormous potential for e-commerce development. Higher rates of smartphone usage and internet access, population under ages 24 taking approximately 60% of the total population and an increasing birth rate, unregulated environment are expected to accelerate the Iraqi e-commerce industry. Perhaps, that's why we should take the opportunity to develop the e-commerce environment in Iraq and invest in projects such as online shopping mall, platform business, and smart logistics.



Online Shopping Mall Project

Widespread development of the Internet and Online Delivery Services allowed the global e-commerce market to flourish, and the COVID-19 Pandemic has brought a huge increase in online shopping. Iraq, however, is far from experiencing this reality due to many factors; high offline trade compared to its high smartphone penetration rate, poor logistics capacity, lack of internet payment system act as obstacles for e-commerce to flourish. Nevertheless, the high proportion of youth population in Iraq is expected to have a positive impact on the expansion and growth of e-commerce market. KA Group will be actively involved in accelerating the development and explosive expansion of e-commerce market in Iraq.



Platform Project

That the industry is growing faster than ever, KA Group is making attempts to start a platform business in Iraq. While Iraq is also witnessing the growth of online market, the growth potential of platform business is still very high. By offering services that cover both 'Banking' and 'Non-Banking' services, and by offering high convenience, we will become No.1 platform services provider in Iraq.



Smart Logistics Project

KA Group wishes to take the head in changing and innovating the distribution and logistics in Iraq to secure its sustainable future competitiveness. Beyond domestic and overseas connection, we will strengthen the logistics infrastructure that is compatible with various industries and markets and provide a total service to all fields of logistics by building a database management system in logistics operations. Through this, we will lay a solid foundation for the expansion of our online shopping and platform business, and at the same time, we will promote various linked projects, expand infrastructure through partnership and cooperation with various companies, and make a mark in the development of logistics in Iraq.



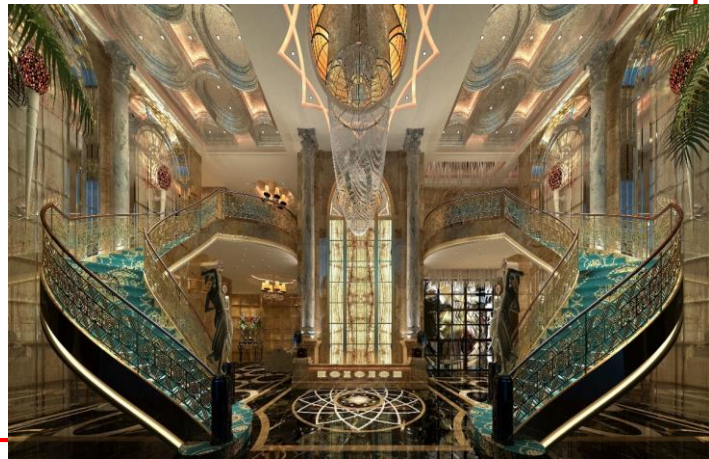
LEISURE PROJECT

A complete overhaul of the economic structure in the Middle East including diversification of the economy and move from dependency on oil, is what creates opportunities for new markets. Where many new town construction projects have built urban infrastructure, the cities with such infrastructure are in fact creating demand for various cultural infrastructure. The leisure, sports, and tourism services industries are important industries that not only meet the diversity and cultural demand resulting from an economic development but also expect high contributions to economic growth and job creation. The potential of this leisure industry is both an opportunity and a challenge for us. By innovation and investment at an early stage, we will endeavor to open a new horizon for leisure market in the Middle East.



Luxury Hotel Project

Starting with the construction of a luxurious hotel in central Baghdad, we begin our journey to deliver the best business environment for foreign investors and businessmen. Our hotel is more than just an accommodation; it offers a special environment with business rooms, convention centers, dining rooms and so much more, providing a relaxed and comfortable place to relax, meeting our customers business needs.



Golf Country Club Project

We aim to open the first country club in Iraq. We will provide an environment where our customers can play a round of golf and enjoy the beautiful nature in the green with magnificent views of the Tigris. By offering driving ranges, putting greens, various upscale conveniences, facilities and outstanding services, we will become a club where many golf enthusiasts want to visit and a place for international businessmen's social gathering.



Water Park Project

Many Iraqi water parks are open solely to women or family on some days owing to the country's strict religious traditions. Unlike the existing water parks, we will design and operate multiple zones at the same time to provide the best space available to all gender and age groups at any time. With thrilling themes such as wave pool and water slide, and various amenities such as food court, snack bar, and sun beds, it will become an unforgettable water park for many customers.



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