



Anton Oilfield Management Services

2022/10/15

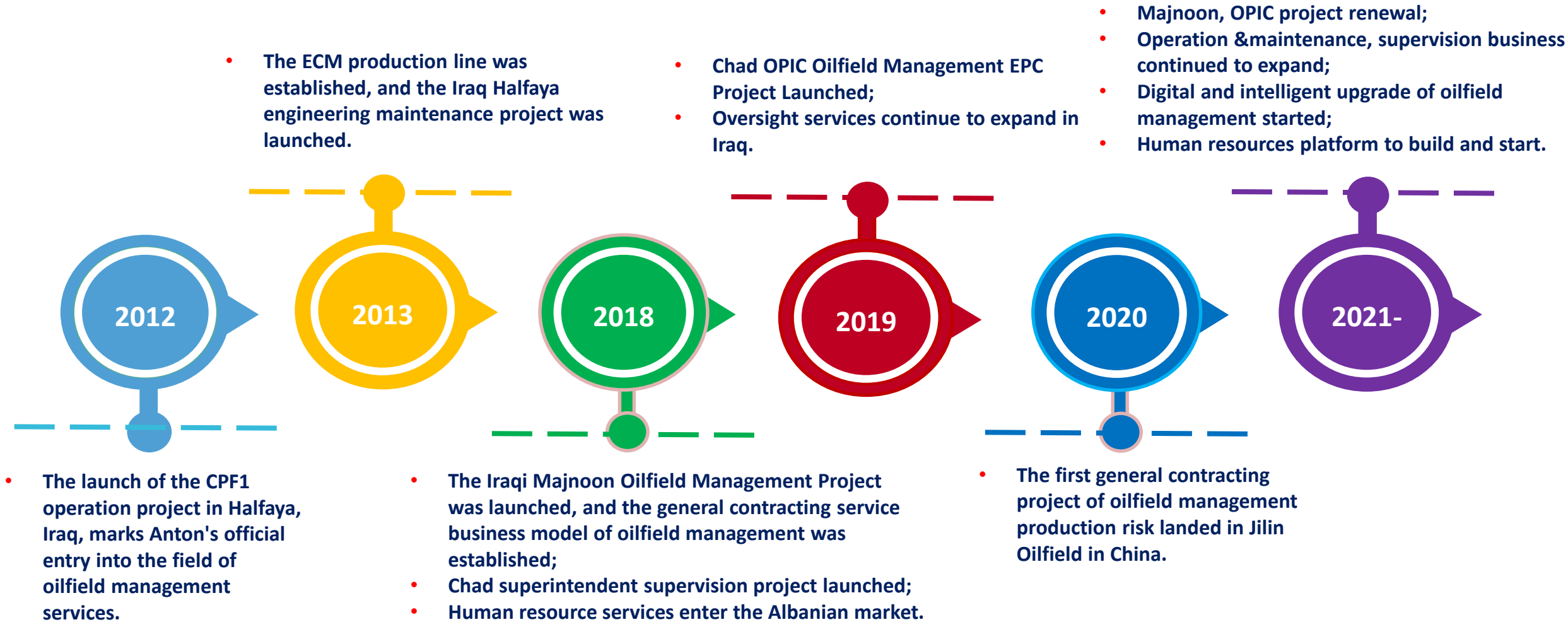
- **1. Overview of Oilfield Management Group**
- **2. Business Model of Oilfield Management**
- **3. Status of Oilfield Management Business**

1. Basic Information Of Oilfield Management Business

- Anton oilfield management business has a full set of oil & gas resource development technologies and oil & gas field management professionals, providing clients with optimized oil & gas field management and supporting services, helping clients to maximize asset value.
 - At this stage, the oil & gas field management business, innovative business model and value have been fully recognized by clients. The supporting talents, technical capabilities and comprehensive management system of oil & gas field management have begun to have international competitiveness. The market covers the Middle East, West Africa, China and other markets, with more than 2,000 employees.
 - In the future, the core business will cover traditional oil & gas field and new energy management general contracting services, a full range of human resource services, oil & gas field investment and management services, oil & gas facility construction and operation & maintenance services, and help clients to achieve targeted asset lifecycle management under low-carbon around technologies such as digital intelligence and the Internet of Things(IOT).
- **Business Layout**
- | | | | |
|--|---|--|---|
| ■ General contracting service for oil & gas field management | ■ Human resource service for oil & gas field management | ■ Investment and management services for oil & gas field | ■ Single service for oil & gas field management |
|--|---|--|---|



2. Development History Of Oilfield Management Business



3. Anton Oilfield Management Business Competitive Advantage

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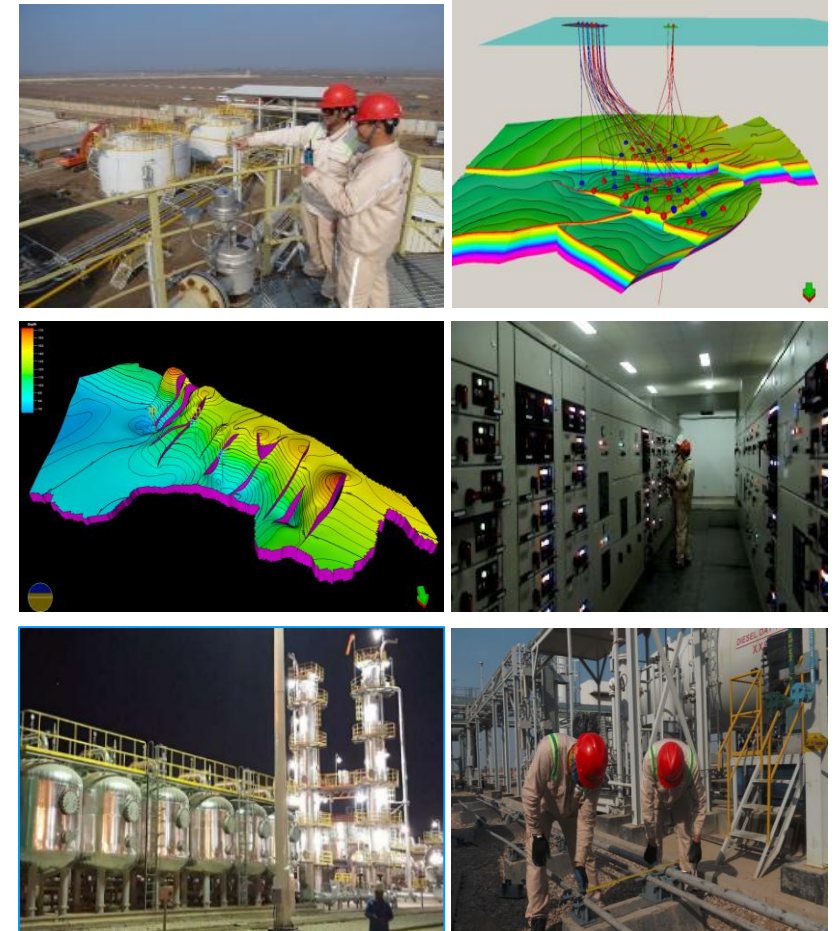
■ A complete system for oilfield management business

- Oilfield technical service industry chain and a full set of resources for development and construction;
- Internationalized oilfield management team and experience in the development and management of large oil and gas fields;
- Professional reservoir analysis team and supervise service capabilities and sufficient talent resource reserves;
- Operation and maintenance of oil and gas field processing facilities, power plants, well stations and pipelines, maintenance and upgrading services of oil and gas field facilities, and general contracting services for oil and gas fields.

■ Relying on the resources and resource-based channels of the Chinese market

- The combination with engineering construction resources and new technology resources, and the combination of industry and finance in the capital market, providing customers with rich business models.

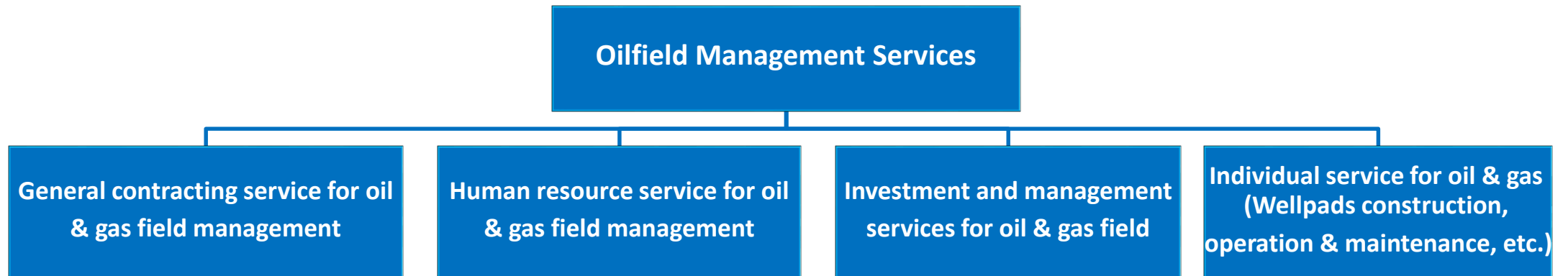
■ A comprehensive and efficient management system in line with global linkage and assistance



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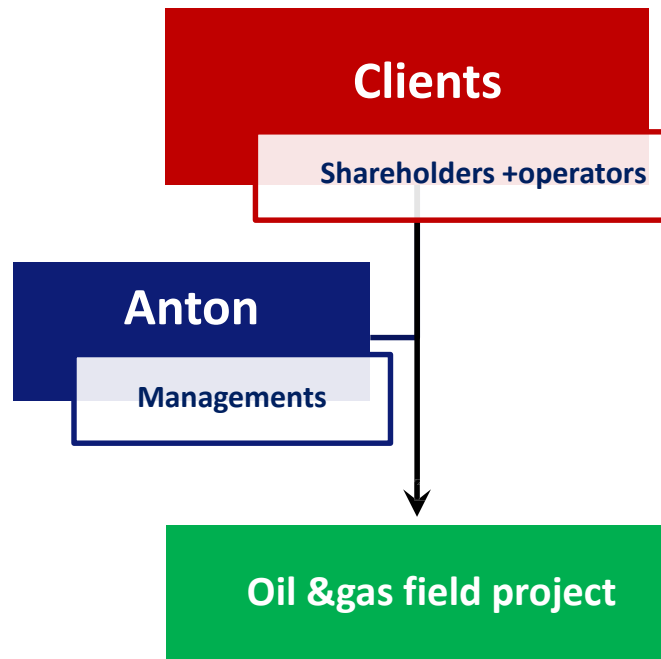
1. Oilfield Management Business Structure Chart

Focusing on emerging markets of global oil & gas development, providing integrated services for oilfield construction and management, with a professional management team, a complete oil & gas field management system and training system, and global oilfield management experience, with information and intelligent oilfield management, geology and engineering. Characterized by combination, efficient integration of China's high-quality resources, and efficient execution in difficult environments, which provides customers with comprehensive oilfield management services and technical support.



2. Oilfield Management Business Model

A. EPC Services For Oil & Gas Field Management



Service content:

- Aiming at oil and gas production and stable production and operation, providing integrated general management contracting for oilfield development, including reservoir support, operation management, production and operation, HSE, logistics, third-party service suppliers management, etc.

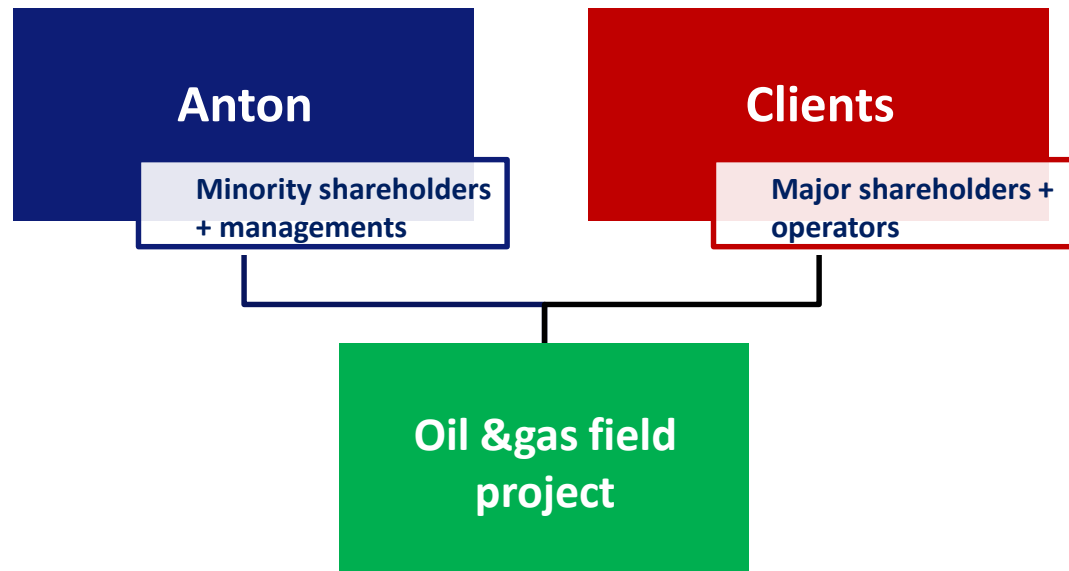
B. Full Range of Human Resource Services for Oilfield Management



Service content:

- Human resources platform services (recruitment, training, labor dispatching, etc.)
- All kinds of engineering, technology and senior management personnel required for oilfield management
- Supervision services:
 - Oilfield Engineering Technology
 - Oilfield operation and maintenance management
 - Health and safety management
 - Administrative logistics

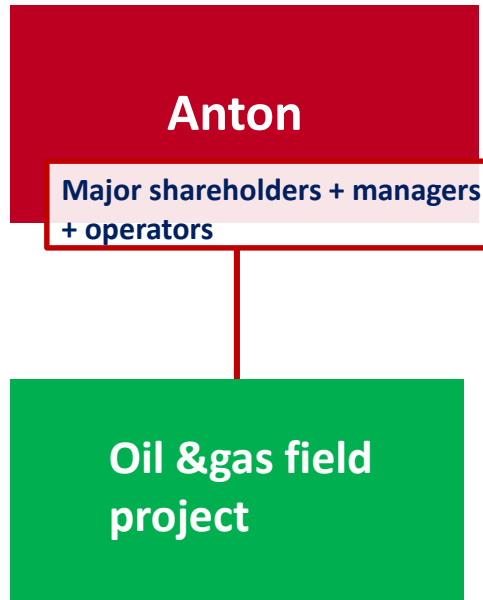
C. Oilfield Development Investment and Management Services - Mode I



Service content:

- Make a small amount of investment, obtain the comprehensive management right of the oilfield as a small investor, and provide a full range of management services for the oilfield, including oilfield development, operation management and talent support

C. Oilfield Development Investment and Management Services - Mode II



Service content:

- Provide main start-up funds for high-quality oil and gas field projects, become the main investor of oil and gas field projects, and take over the development, operation and operation management of oilfields comprehensively

D. Individual Services for Oil and Gas Field Management (Operation & Maintenance Services)



Service content:

- EPC services for oil & gas field general contract of engineering construction
- Operation of oil & gas field production facilities
- Maintenance services of oil & gas field production facilities
- Operation and maintenance of power plant
- Oilfield Digitalization Construction

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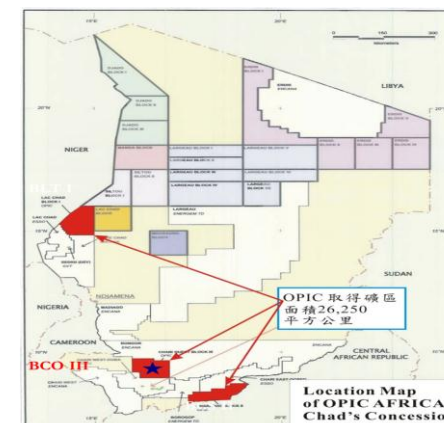
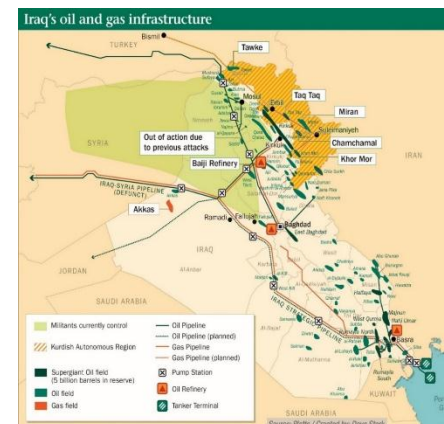
1. General Contracting Service for Oil & Gas Field Development Management

➤ Service advantages :

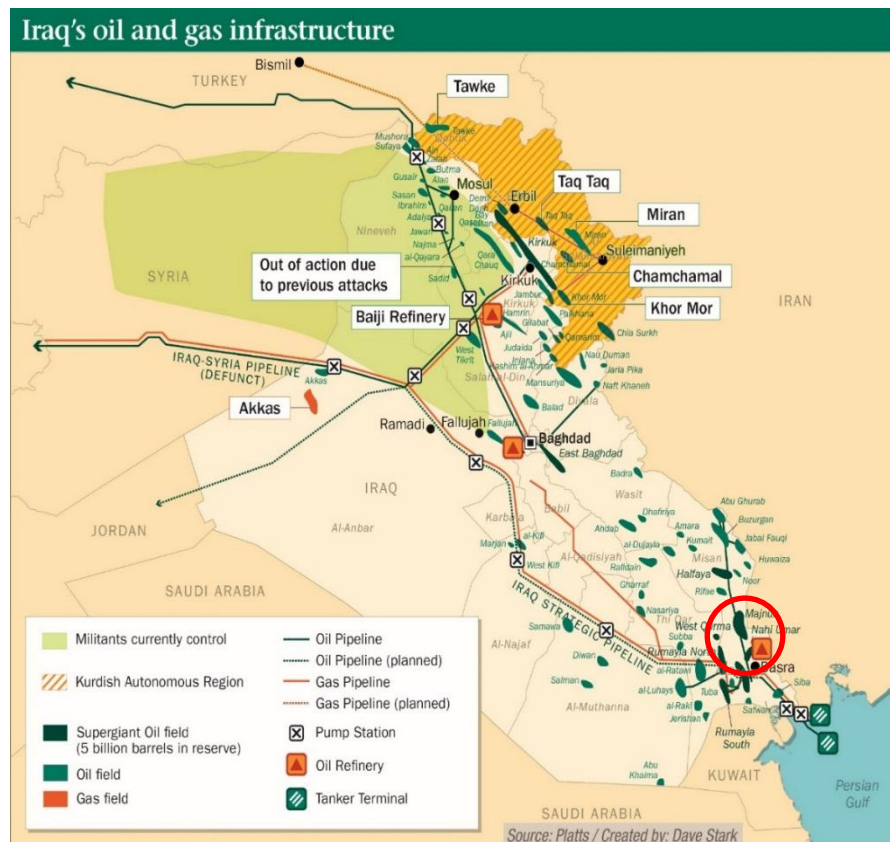
- Own complete oilfield technical service industry chain and forms a systematic support for oilfield development.
- Own international oilfield management team.
- Own experience in development and management of large oil and gas fields.

➤ Service performance:

- The Majnoon project in Iraq, after taking over in 2018, has achieved zero pollution and zero casualties, and the HSE management level has continued to improve; Reducing the management cost by about 30%; Better team service has been highly praised by customers;
- The Oryx oilfield project in Chad, Africa, enhances oil recovery through reservoir research and block geological evaluation; HSSE execution operates well and meets the international HSSE standards and levels; Helping customers to improve medium and long-term development deployment.



A. Iraq Majnoon Oilfield Management General Contracting Project



The largest oilfield managed by Chinese companies overseas, and the first pure oilfield management project in Iraq

- 50 kilometers north of Basra province in the south of Iraq.
- One of the largest oilfields in the world, with 38 billion barrels of reserves.
- 42 wells are in production, with an output of 240,000 barrels/day.
- In 2024, the production capacity is 600,000 barrels/day, and the planned peak output is more than 1 million barrels/day.

A. Iraq Majnoon Oilfield Management General Contracting Project

■ Contract sign:

- Officially take over the oilfield on July 1, 2018;
- In early 2020, based on good management level and performance of Anton, the Iraqi government renewed the contract with Anton in advance.

■ Scope of work of the contract:

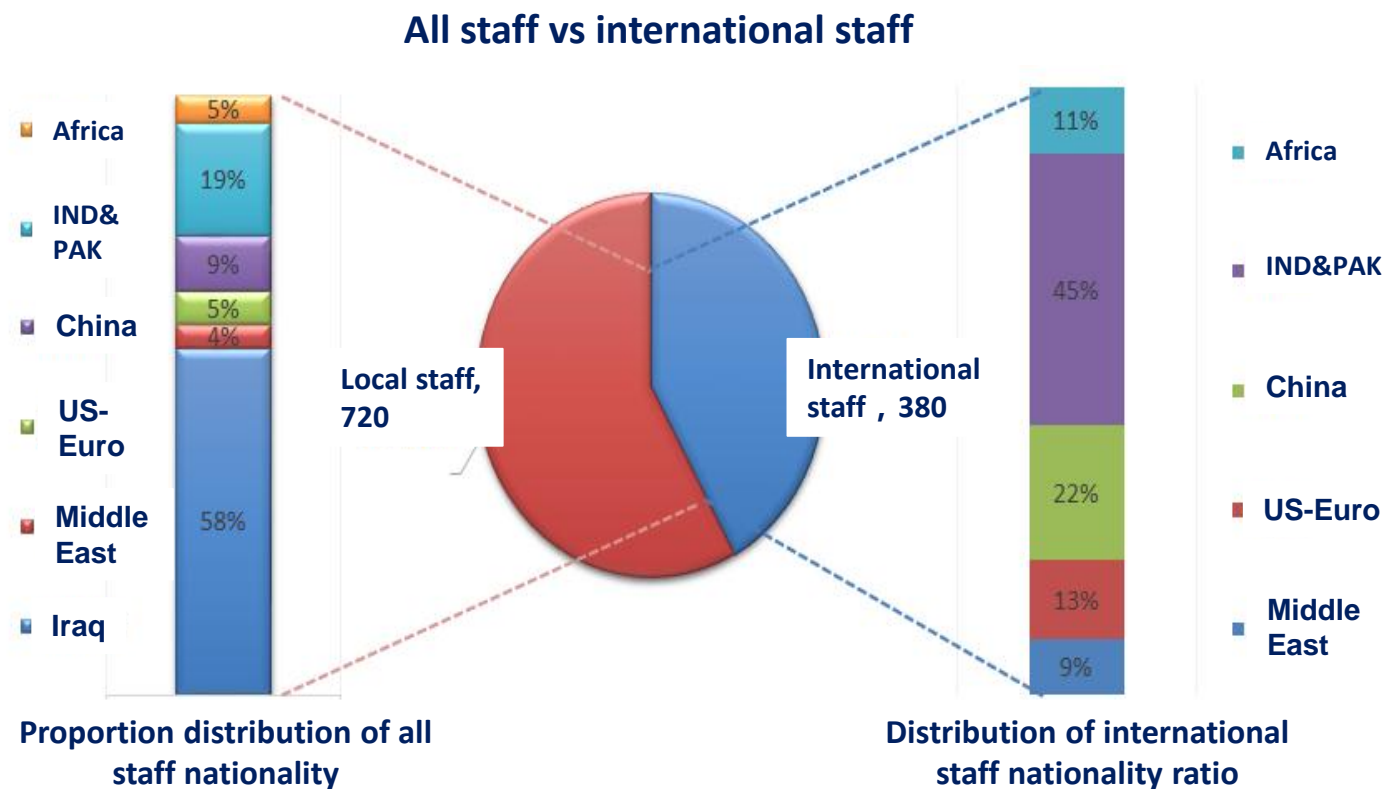
- Oilfield operation and maintenance services;
- Drilling and workover management;
- Reservoir management services;
- Camp logistics management;
- Security and HSE Management.



Photo of Anton signing contract with Iraqi Oil Ministry

A. Iraq Majnoon Oilfield Management General Contracting Project

- Anton Majnoon project has 1100 contract employees, including 380 international employees and 720 local employees.
- Employees from 35 countries, is a highly international team.
- Majnoon oilfield has more than 3400 employees.



A. Iraq Majnoon Oilfield Management General Contracting Project

Major contractors managed in Majnoon



A. Iraq Majnoon Oilfield Management General Contracting Project

■ Changes after Anton's handover

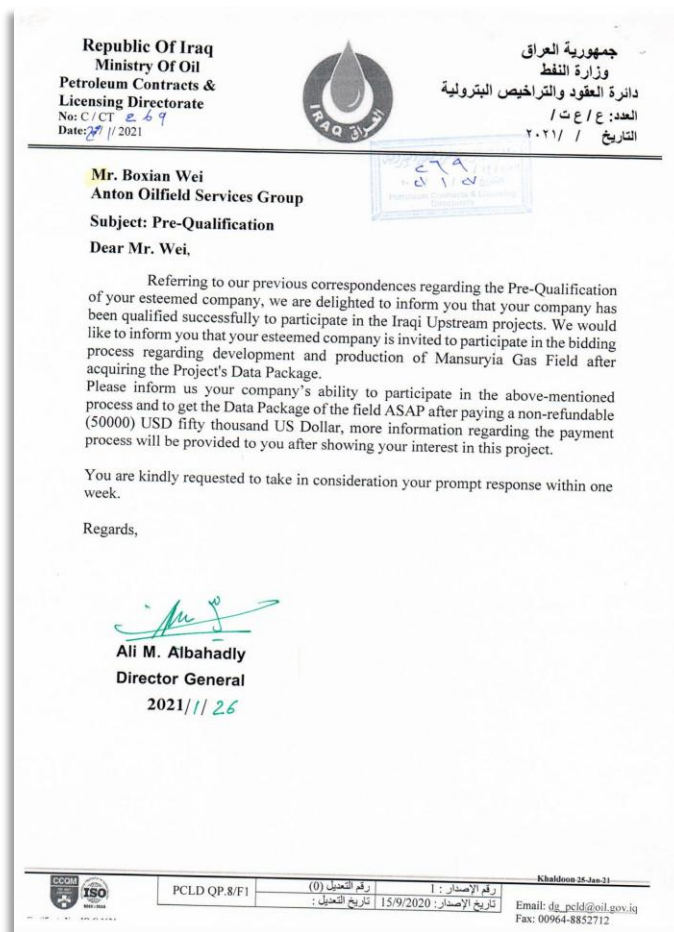
- On the basis of the original facilities unchanged, the output increased from 220,000 B / D to 245,000 B / D;
- During the two-year management period, there was no pollution and no casualties, and the HSE management level continued to improve;
- The management cost is reduced about 30%;
- The team of Chinese development experts + local employees + International employees has a stronger sense of service and efficiency than that of Western companies.



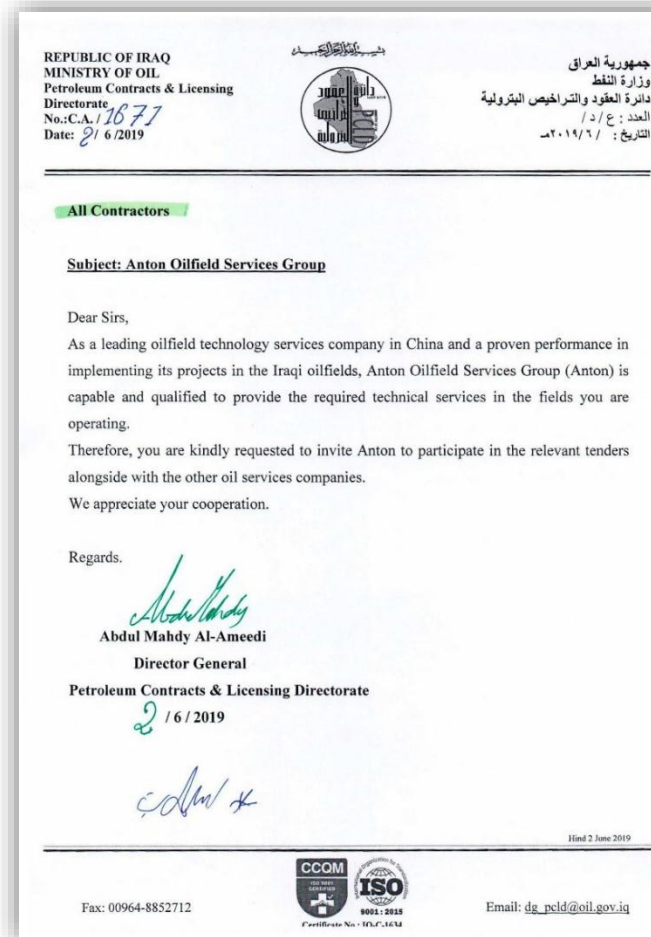
Mr. Luo Lin, chairman of Anton's board of directors attended the first anniversary celebration of Anton's management of Majnoon Oilfield

1. General Contracting Service for Oil & Gas Field Development Management

■ Qualified as an oilfield operator

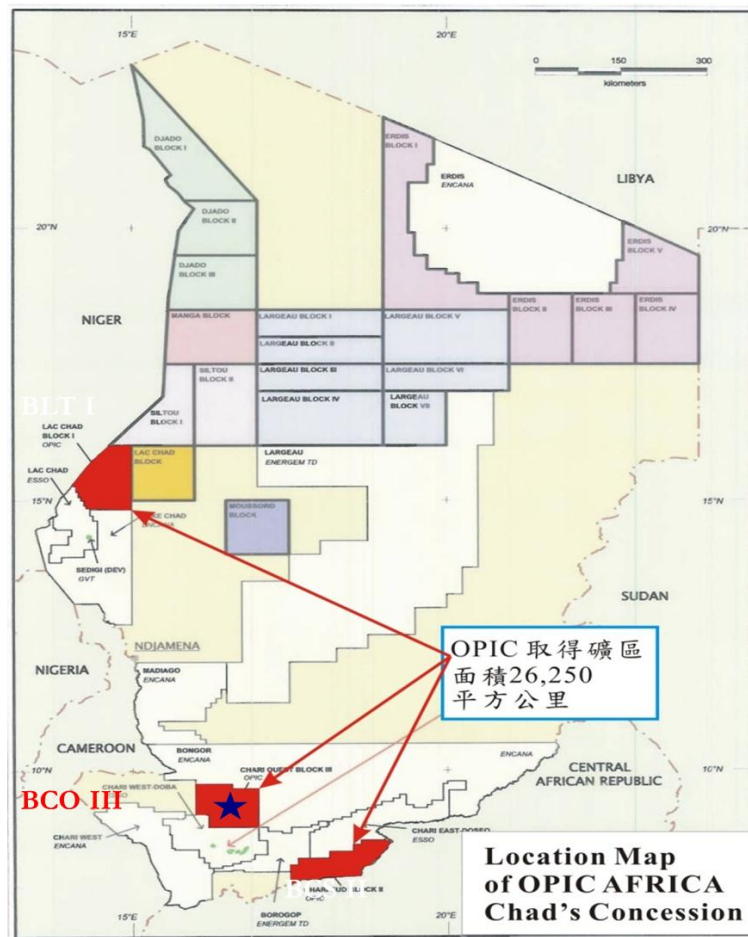


Qualification of oilfield operators in Iraq



Recommendation letter from Iraqi Ministry of Petroleum (PCLD)

B. Chad OPIC Oilfield Management Project



- Oryx oilfield is located in BCO III block, 60km northeast of Moundou, Chad, about 340km away from the capital N'Djamena;
- The oilfield area is 59km², Oilfield geological reserves 181.15MMSTB;
- The oilfield was discovered by drilling benoy-1 well in 2010;
- Two reservoir horizons, Mangara and Kedeni;
- Current output is 9600 barrels per day.

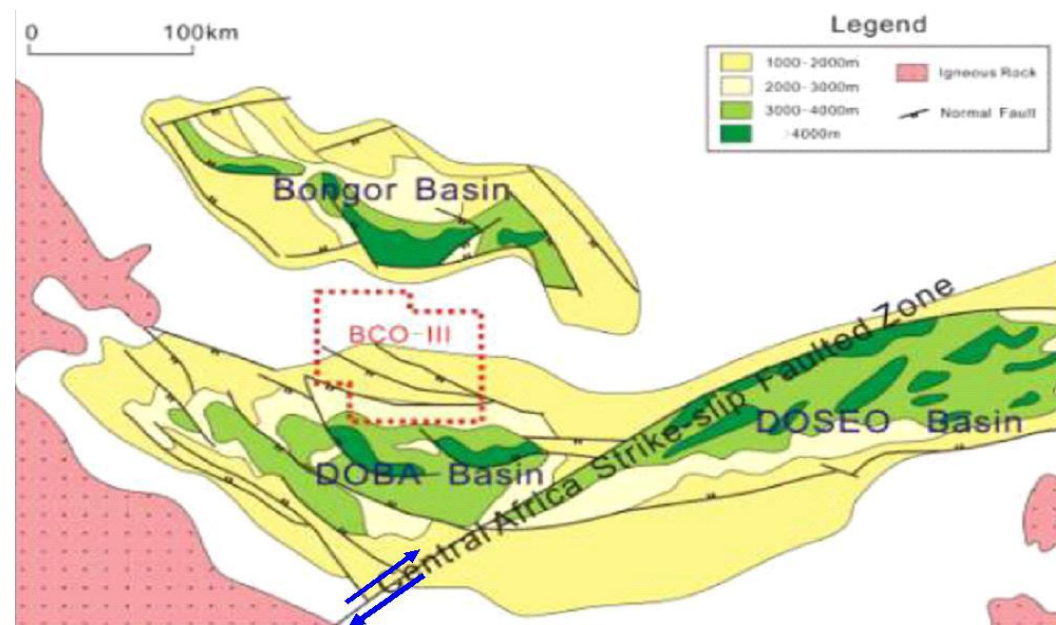
B. Chad OPIC Oilfield Management Project

■ Contract Sign :

- In September 2018 started bidding, contract for 2 years+, competitors include Schlumberger, SPIE, Sinopec, Shandong International, Daqing, petrofac;
- In September 2019 signed the contract, and officially take over the oilfield.

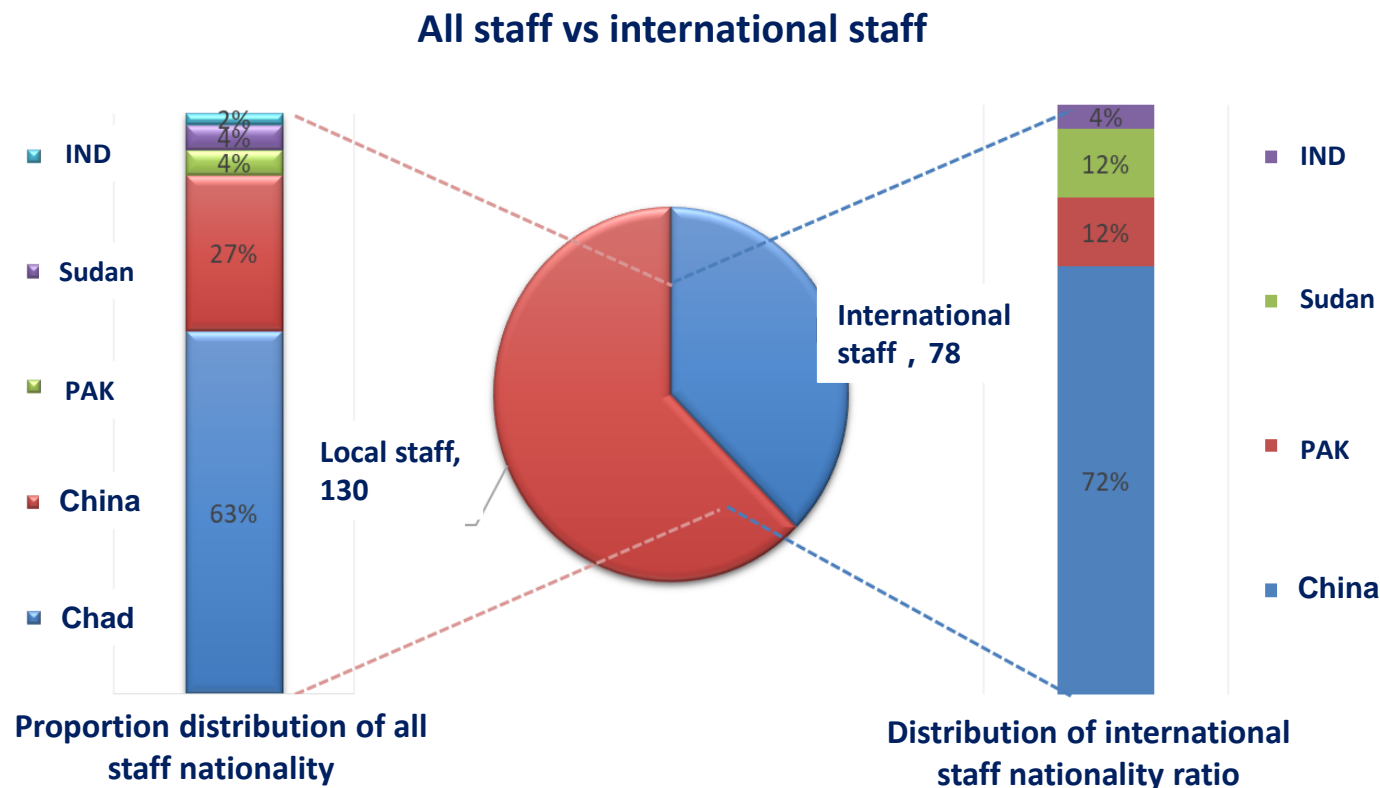
■ Scope work of contract :

- Commissioning Management
- Oilfield operation and maintenance service
- Supply of operation consumables
- Reservoir management services
- Camp logistics management
- Security and HSE Management



B. Chad OPIC Oilfield Management Project

- OPIC Project has 208 contract employees, including 78 international employees and 130 local employees.
- International employees mainly come from China, Pakistan, Sudan and other countries. They are a team with excellent style and rich experience in Oilfield integrated management services.



B. Chad OPIC Oilfield Management Project

■ Management team

- The management team has 53 positions, with 43 people currently on duty, including 21 Chinese, 16 Indian, Pakistanis and Sudanese, and 6 local people
- About 100 logistics security personnel



B. Chad OPIC Oilfield Management Project

□ Major contractors managed in OPIC



B. Chad OPIC Oilfield Management Project

■ Service performance

- Anton provides reservoir research, block geological evaluation, reservoir research and analysis, EOR and stimulation measures;
- The output reached 6,300 barrels / day, and continued to be stable;
- The operation of the HSSE index runs well, which could comply with the international standard and level;
- Helping client to improve the long-term development deployment.

2. Human Resource Services For Oil & Gas Field

➤ Service advantages

- Dubai has a professional human resources company GET DMCC;
- With 3000+ supervision talent pool, which can provide that covering all kinds of languages and specialties around the world;
- Perfect global talent allocation and management system;
- Quick response and hard work style.

➤ Service performance

- Providing supervision services for CNOOC & AL-WAHA in Iraq, CNPC International in Chad and CNPC Niger Petroleum in Niger;
- Providing supporting oilfield engineering services and management team for internal and external clients.



2. Human Resource Services For Oil & Gas Field

Category	Project name	Client	Project content	Qty
Oilfield Management Services	Majnoon oilfield management project	BOC in Iraq	Oilfield operation and management team	1100
	OPIC oilfield management project	CPC Taiwan in Chad	Oilfield operation and management team	208
	Jilin Oilfield management project	CNPC in China	Oilfield operation and management team	11
Supervision Services	CNPCIC supervision project	CNPC in Chad	Station operation, office comprehensive management, medical service and HSE supervision, etc.	51
	Ahdeb supervision project	AL-WAHA in Iraq	Office administration, procurement, completion of workover supervision, security monitoring, HSE supervision, etc.	83
	Buzurgan supervision project	CNOOC in Iraq	Completion, electric submersible pump, well repair supervision, etc.	35
	CNPCNP supervision project	CNPC in Niger	Drilling, geology, completion and workover supervision, etc.	15
	UEP supervision project	UEP in Pakistan	Drilling supervision,	4
Operation & Maintenance Services	Station operation and maintenance in Halfaya	CNPC in Iraq	Station operation + comprehensive maintenance of water station, power station and other projects	172
	Station operation and maintenance in Ahdeb	AL-WAHA in Iraq	Station operation + comprehensive maintenance of water station, power station and other projects	170
	Station operation and maintenance in Buzurgan	CNOOC in Iraq	Station operation + comprehensive maintenance of water station, power station and other projects	84
	Other operation and maintenance projects	KEC、Rosneft, etc	comprehensive maintenance service personnel	43
Total				1976

3. Operation & Maintenance

➤ Service advantages:

- International technical service qualification and first-class management standard system: ISO9001, 14001, 55000, OHSAS18001, ASME and API
- Standard operating procedures for oilfield station operation and facility repair / maintenance;
- International, multilingual, high-quality professional technology and project management team and personnel reserve;
- Perfect international and local personnel training system for well pads/station operation and maintenance;
- Global cooperation resources for manufacturers of various types of oilfield ground equipment.

➤ Service performance:

- It has provided services to more than 10 international oil companies, including Iraq national oil company, PetroChina, CNOOC, Shell, Petronas, Lukoil, Gazprom and Taiwan PetroChina, and has been widely praised;
- The safe operation of oilfield operation and maintenance project has exceeded 14000 days, and has been praised and appreciated by clients for major work implementation for more than 140 times.
- More than 10 projects of general contracting and upgrading and transformation of ground engineering construction have been completed, which make important contribution to the capacity construction of clients.



- ◆ More than 10 projects, safe operation accumulated more than 5000 days, the service level was praised by the owners in oilfield operation and maintenance management services from Anton.
- ◆ In 2021, Anton's operation & maintenance projects received more than 33 commendatory letters from clients.

Performance statistics of main operation and maintenance projects			
Project name	Oil field	Owner	Safe days
CPF1 O & M	Halfaya	PetroChina, Total, Petronas	1400 days
CPF2 O & M	Halfaya	PetroChina, Total, Petronas	1000 days
Gas gathering station GRS O & M	Halfaya	PetroChina, Total, Petronas	1000 days
GMS	West Qurna 2	Lukoil	700 days
FPF O & M	Keyi	PetroChina	730 days
CPF1/2/3 PP O& M	Halfaya	PetroChina, Total, Petronas	1200 days



- The operation and maintenance of dry water station in CNOOC Buzurgan in Iraq has been in safe continuous operation for more than 460 days



- Pipeline upgrading of EPC project and large tank cleaning and maintenance project in Buzurgan oilfield, Iraq



- The operation, maintenance and repair of two natural gas power plants in Halfaya oilfield, Iraq have been in safe continuous operation for more than 1200 days



- Lukoil West Qurna oilfield production facilities comprehensive maintenance, providing production machinery, electrical, instrument equipment and facilities maintenance and pipeline inspection, accumulated safe continuous operation for more than 540 days

3. Operation & Maintenance



- GRS (gas gathering station) operation and maintenance in Halfaya oilfield, Iraq, has been in safe continuous operation for more than 1000 days



- Operation and maintenance of surface oil and gas treatment station (FPF) in Keyi oilfield, zone 6, Sudan, with an annual output of 3.3 million barrels



- CPF integrated management project (oil, gas, water, electricity, wellhead and laboratory) of Iraq's Ahdeb oilfield has operated safely and continuously for more than 1990 days.



- Comprehensive maintenance and repair of production facilities in Iraq's Ahdeb oilfield, providing maintenance of production machinery, electrical and instrument equipment and facilities, and pipeline inspection, with a cumulative safe and continuous operation for more than 107 days.

3. Operation & Maintenance

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- The comprehensive maintenance project of production facilities in Oasis station provides general maintenance of plant, equipment, upgrading and transformation services, with a cumulative safe and continuous operation of 929 days.



- The maintenance service project of production facilities in KEC block 9 in Iraq provides three-year maintenance personnel services and production maintenance support services. The project was launched in the second quarter of 2022.



- During the production increase period of CNPC Chad ronier oilfield, it provides one-year rental power supply services, including diesel generators, transmission equipment and operation and maintenance personnel services. The power station has a capacity of 5.4 MW and a voltage grade of 33kV.

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