

Sinopec Engineering (Group) Co., Ltd.

中石化炼化工程（集团）股份有限公司



»» Contents



1. SEG Profile



2. SEG Competence



3. Major Domestic Experiences



4. Major Overseas Experiences





1. SEG Profile

1. SEG Profile



- SINOPEC Group is one of the world largest integrated energy companies.
- SINOPEC Group is China's state-owned super large petroleum and petrochemical group.
- SINOPEC Group ranked 5^h in *Fortune Global 500* (2024) with revenue of US\$ 429 billion.

SINOPEC Group is the holding company of SINOPEC Engineering (Group) Co., Ltd. ("SEG")



- SEG, headquartered in Beijing, was established in 2007 since SINOPEC reformed and restructured its engineering and construction sector, all SINOPEC's engineering and construction companies, with over **70 years'** expertise and experiences, were integrated into SEG as subsidiaries. Currently SEG owns **11** domestic subsidiaries:

SEI (Beijing)

GPEC (Guangzhou)

SSEC (Shanghai)

SNEC (Ningbo)

SNEI (Nanjing)

No.4 Construction
(Tianjin)

No.5 Construction
(Guangzhou)

No.10 Construction
(Qingdao)

SLT (Beijing)

R&D Center
(Luoyang)

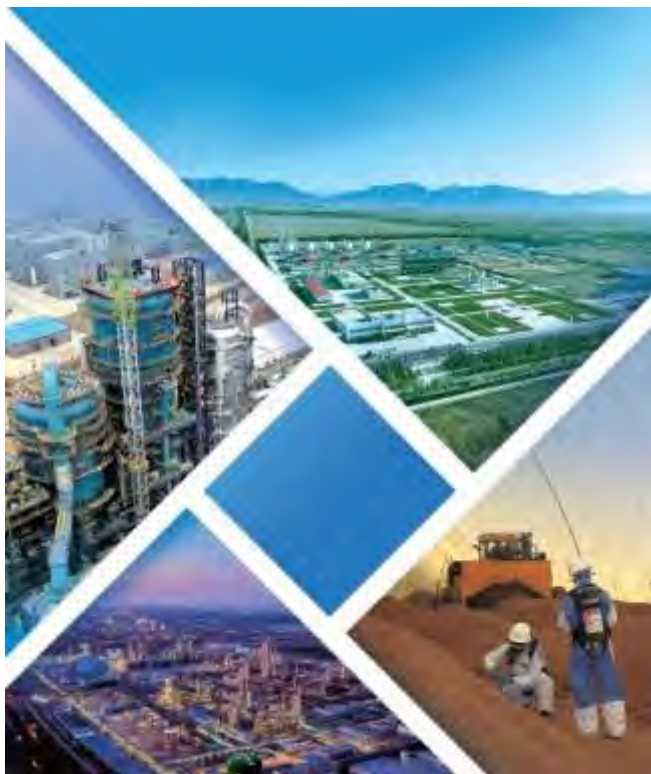
Energy-Saving Technology Service Company
(Beijing)



1. SEG Profile

COMPANY Development Vision

Building a World-leading Technology-driven Engineering Company



COMPANY Development Strategies

价值引领
Value Oriented

创新驱动
Innovation-driven

绿色洁净
Green & Clean

人才强企
Talent Based

全球发展
Globalization-Targeted

融合共生
Fusion Symbiosis



1. SEG Profile



Sinopec Group's Business Sectors

Oil & Gas	Refining & Petrochemicals	Engineering & Construction Services	Trade and Logistics	Research & Development
				

- SINOPEC Exploration & Production Dept.
- SINOPEC Petroleum Engineering Management Dept.
- Sinopec International Exploration and Production Co.

- SINOPEC Refining Dept.
- SINOPEC Petrochemical Dept.
- SINOPEC Refining and Petrochemical Plants

· SINOPEC ENGINEERING (GROUP) CO., LTD. - SEG

- SINOPEC Petroleum Service Co.



- SINOPEC International United Petroleum & Chemical Co.
- SINOPEC Oil / Chemical Product Sales Co.

- SINOPEC Science & Technology Development Dept.
- SINOPEC Technology Co.

1. SEG Profile

Development History

☆ Harvesting from 7 decades' industry experience and continuous innovation in technology, execution and management



☆ Concrete and rapid growth along with development of China's oil refining and petrochemical industry

1. SEG Profile

ENR Ranking



1. SEG Profile

□ Main indicators 2023

□ Revenue

8.03

billion USD

□ Net Profit

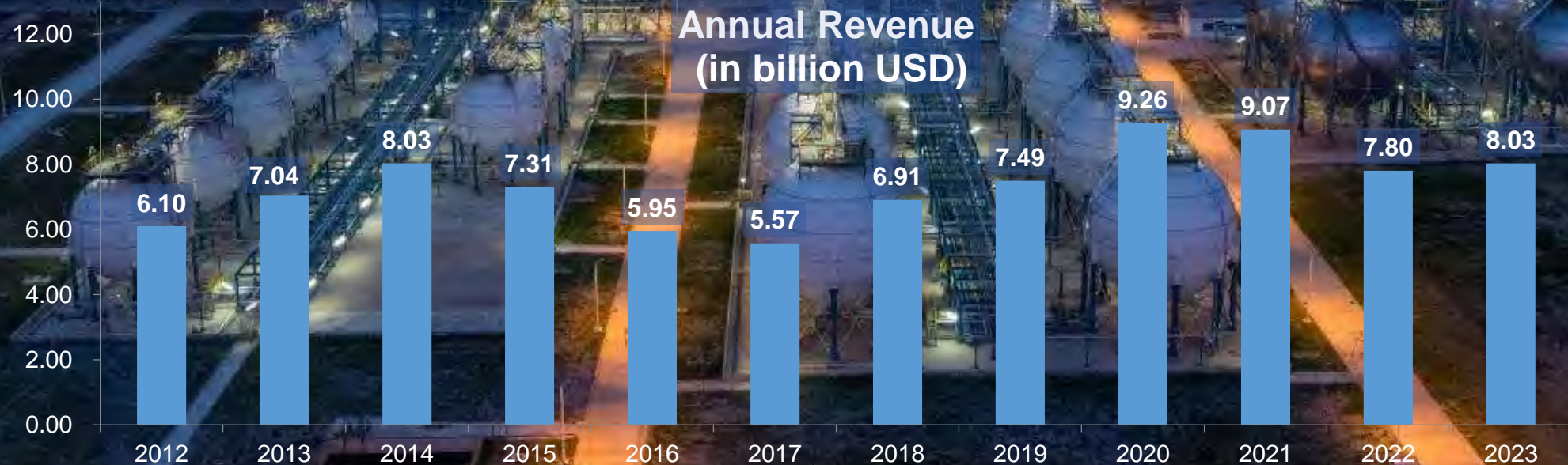
0.33

billion USD

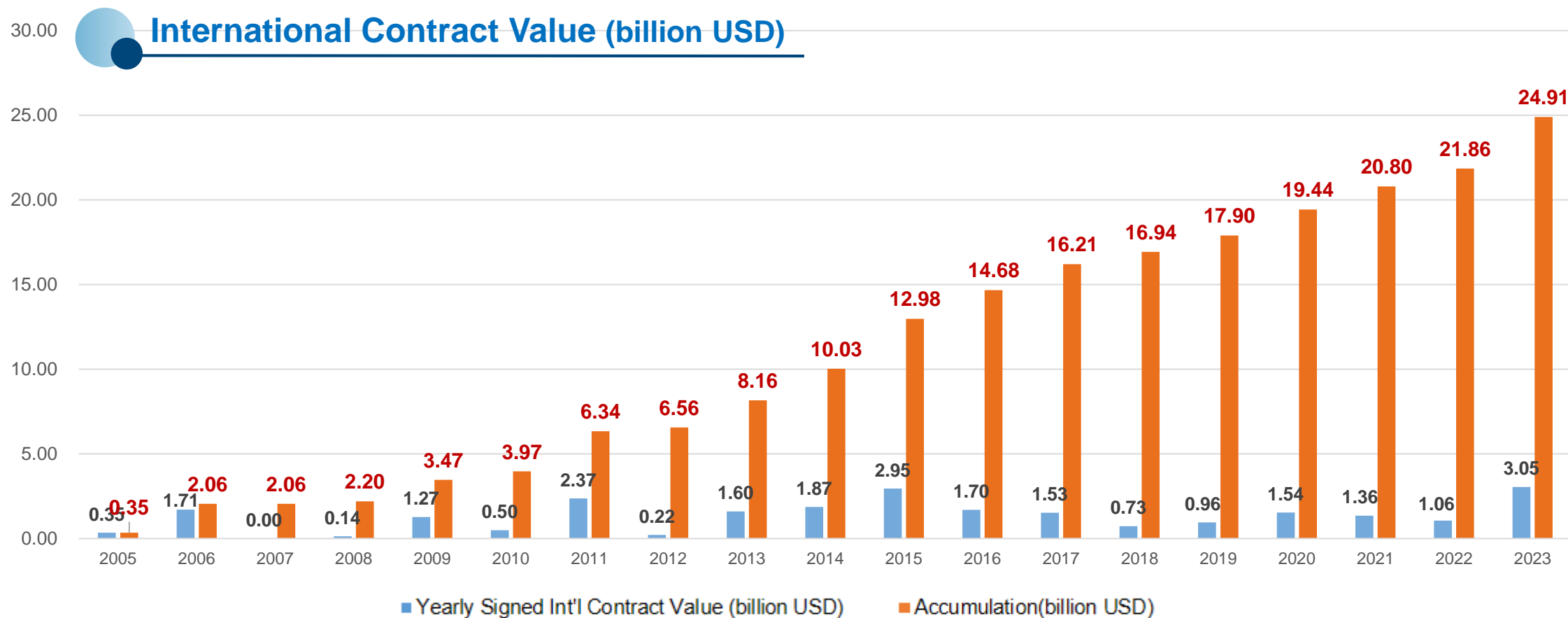
□ Newly Signed Contract Value

11.46

billion USD



1. SEG Profile

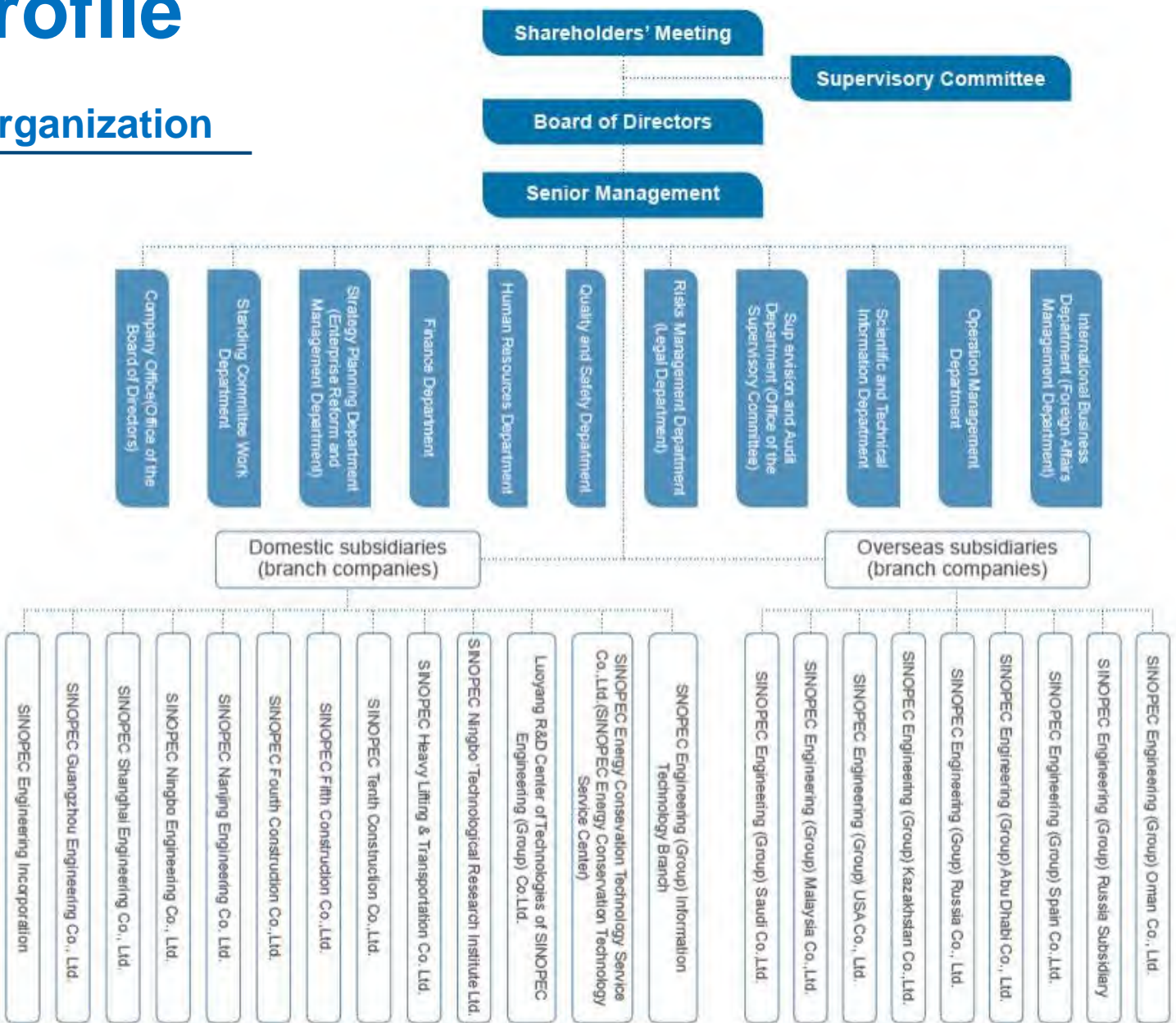


Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of Contracts	1	4	2	9	6	17	15	10	8	9	10	30	36	26	38	37	38	55	54
Yearly Signed Int'l Contract Value (billion USD)	0.35	1.71	0.00	0.14	1.27	0.50	2.37	0.22	1.60	1.87	2.95	1.70	1.53	0.73	0.96	1.54	1.36	1.06	3.05
Accumulation (billion USD)	0.35	2.06	2.06	2.20	3.47	3.97	6.34	6.56	8.16	10.03	12.98	14.68	16.21	16.94	17.90	19.44	20.80	21.86	24.91



1. SEG Profile

Company Organization



1. SEG Profile

Domestic Subsidiaries

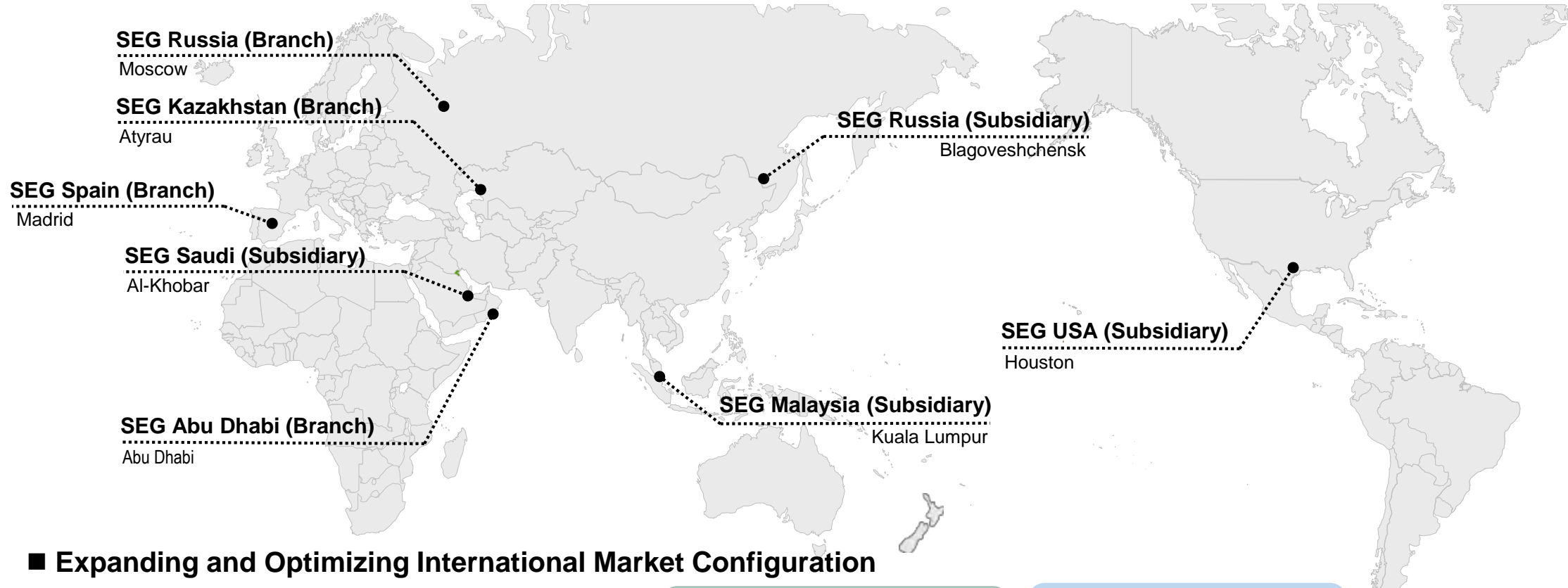


1. SEG Profile

Overseas Subsidiaries/Branches



SEG has 34 overseas Subsidiaries & Branches in 15 countries, in which 8 are directly owned by SEG Head Office and 26 are owned by SEG domestic subsidiaries.

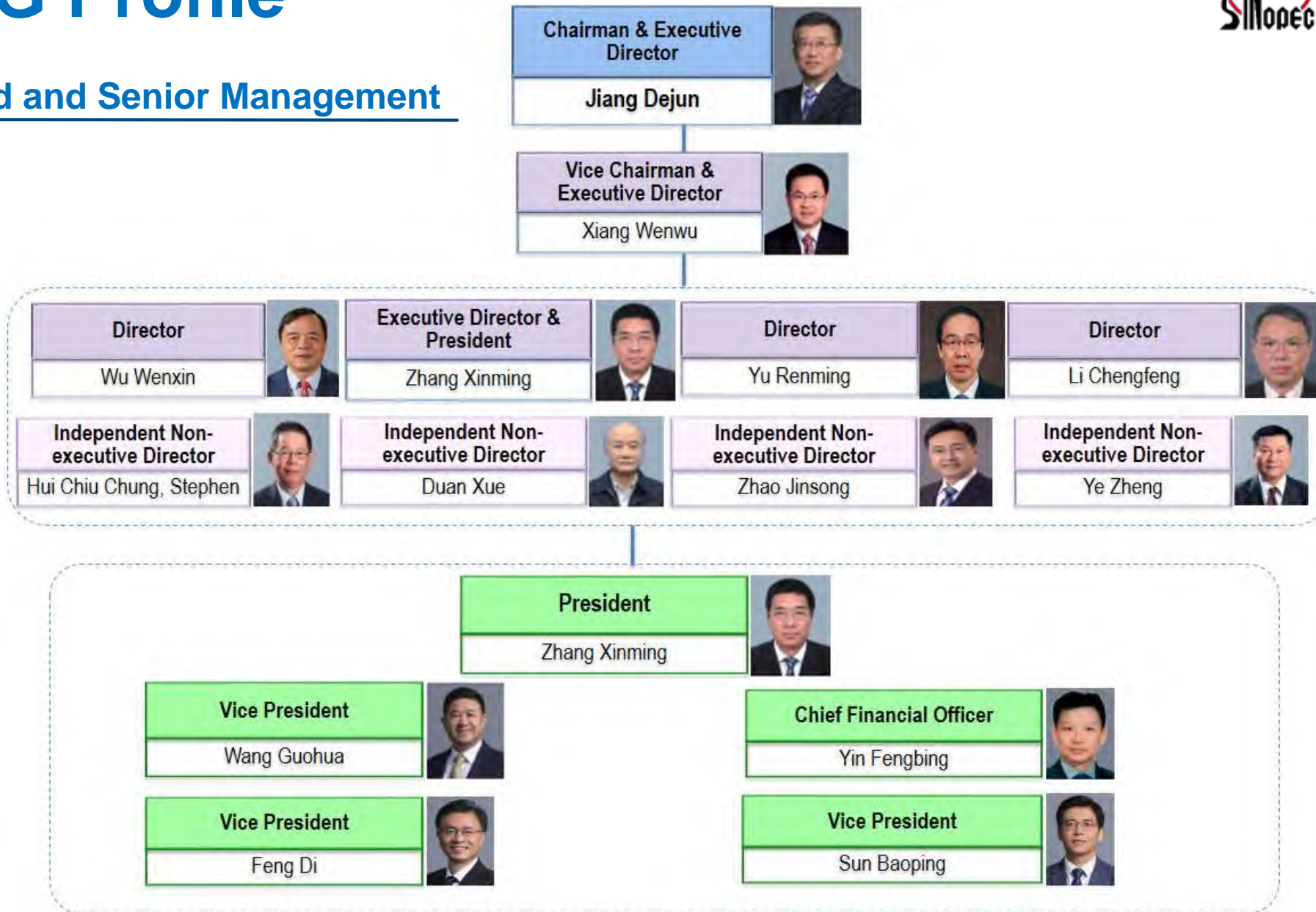


Expanding and Optimizing International Market Configuration



1. SEG Profile

Board and Senior Management





2. SEG Competence

2. SEG Competence



Overall



SINOPEC Engineering (Group) Co., Ltd. (“SEG”) represents the best engineering and construction practice in China, focusing on oil refining, petrochemical, new coal chemical, natural gas treatment/chemical and other relevant sectors. SEG own full industry chain engineering and construction capabilities, committed to providing global clients with full lifecycle services.



Reorganized in September 2012



Certified by Lloyds Register Quality Assurance

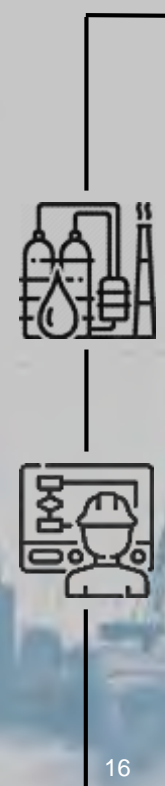


Listed on Hong Kong Stock Exchange in May 2013; Code: 2386.HK



Obtained and maintained Moody's Issuer Rating A2 since December 2013

Main Business Sectors



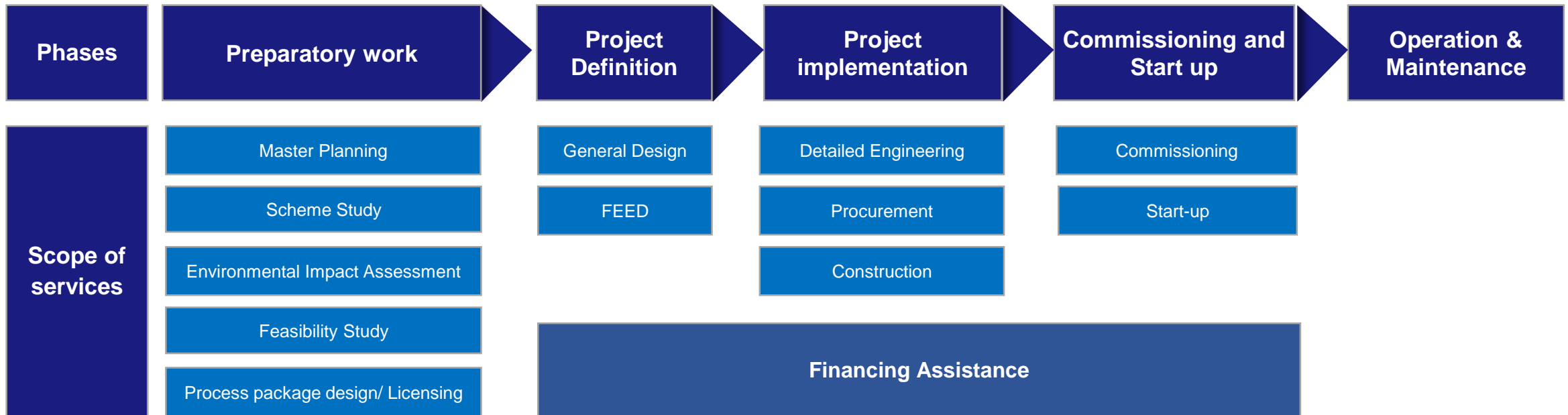
- Refining
- Petrochemical
- Coal Chemical
- Natural Gas Processing
- Natural Gas Chemical
- Onshore Oil & Gas Facilities
- LNG Facilities
- Tankage & Pipeline
- Ammonia & Fertilizer
- Utility & Infrastructure

2. SEG Competence

Service Scope

Integrated Service Chain

One-stop solution with services including consulting, licensing, FEED, EPC Contracting, financing assistance construction, commissioning, start-up, operation and maintenance, etc.



2. SEG Competence

Technical Excellence



Prestige National Awards

11



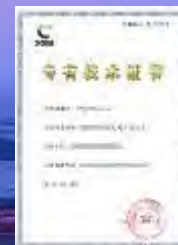
National Award for Science & Technology Progress

129



Patents

3900+



Proprietary Technologies

596

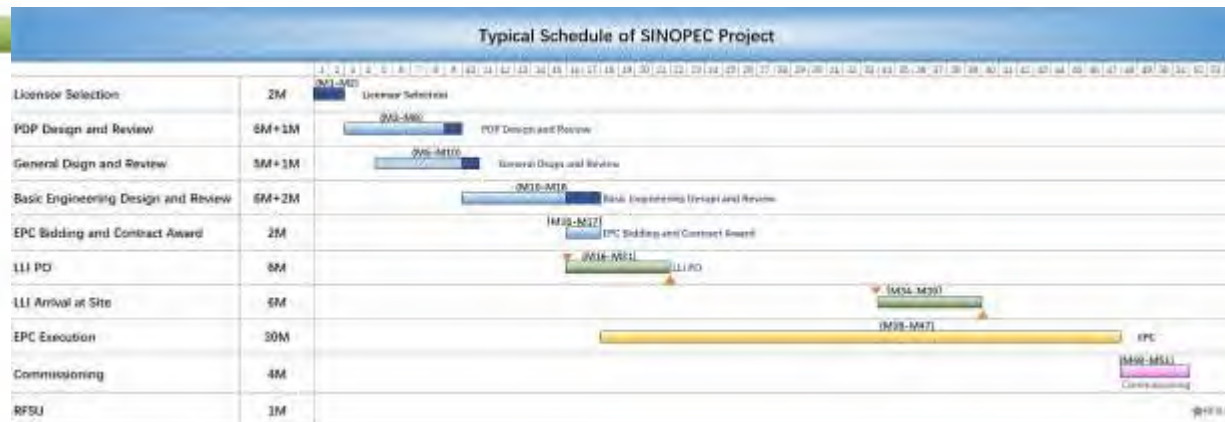
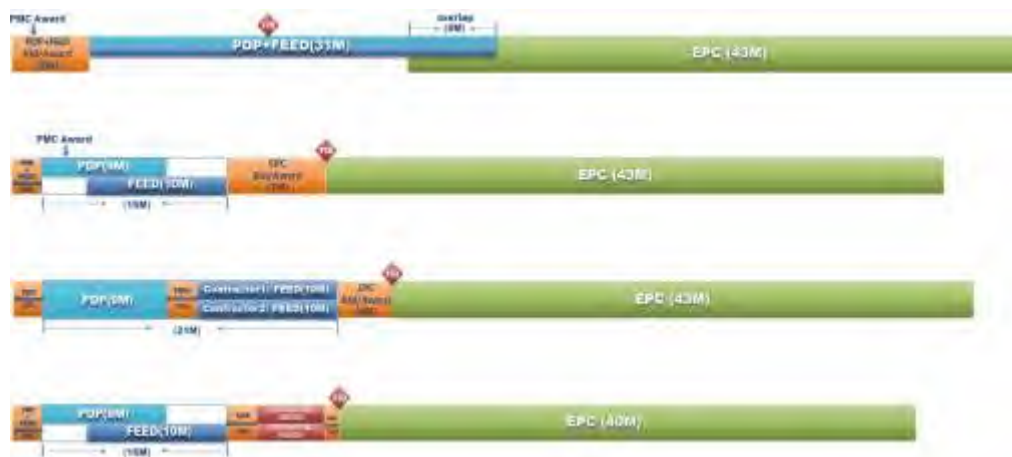


2 Chinese Academicians

2. SEG Competence

Technical Competence

Strong Capability of Optimization in Engineering, Procurement and Construction schedule and efficiency



2. SEG Competence

Technical Competence

Modularization

SEG has successfully implemented modular design, construction, transportation, and lifting in projects in China as well as overseas.

Example: Tianjin Nangang Ethylene Project (1.2 mtpa)

- Six large towers were successfully pre-dressed, lifted and installed in a period of only 59 days, with each tower fully equipped and illuminated.
- Asia's largest three-dimensional warehouse has successfully pre-assembled, and achieved the overall lifting and completion of polyolefin products.
- A single large loop reactor (657 tons) designed, pre-assembled, transported, and installed using an overall modular approach.



Example: Heating furnace module for projects in Middle East

- Heating furnace is manufactured, pre-assembled and transported in an overall modular approach.

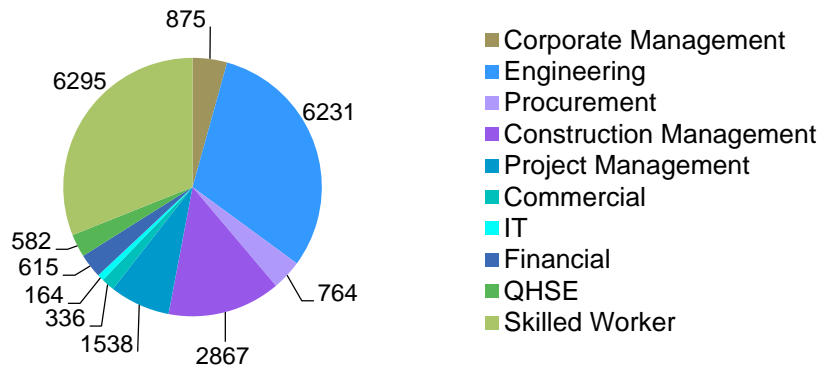


2. SEG Competence

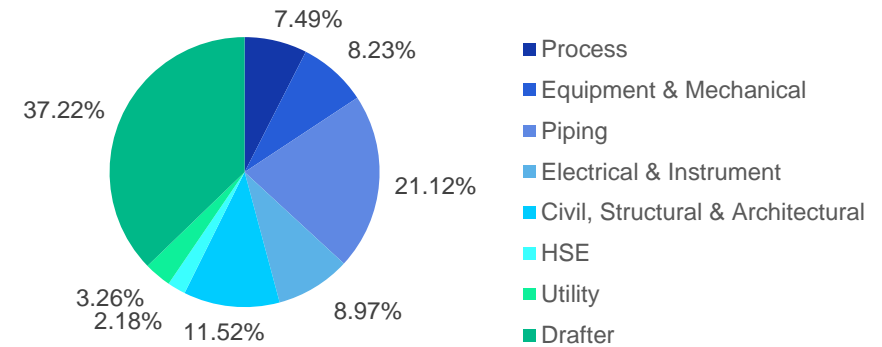
Human Resource

SEG has around 20,000 employee which can be categorized and sub-categorized as shown below:

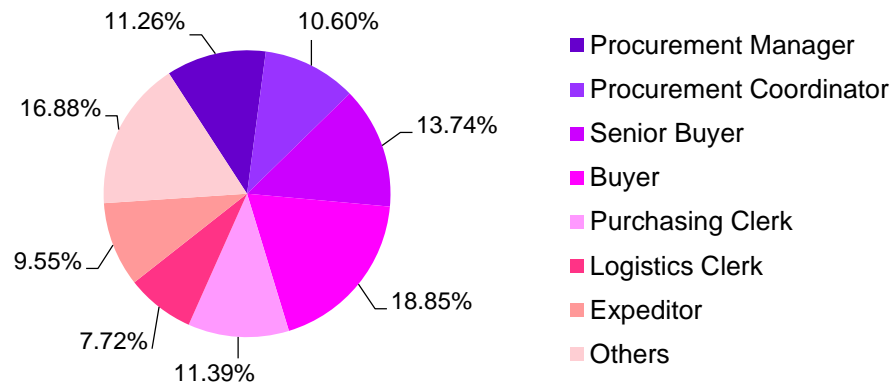
Overall



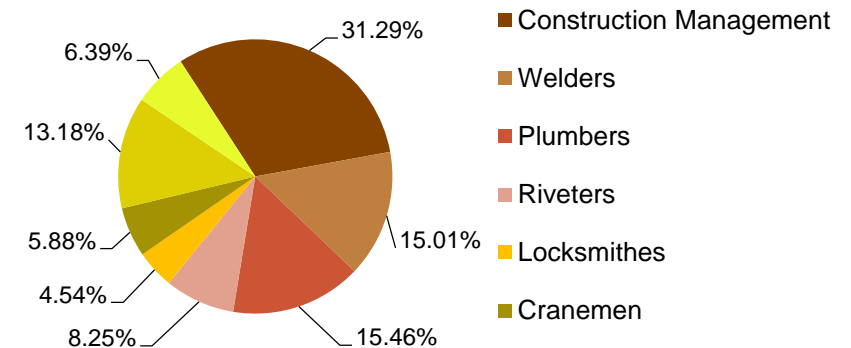
Engineering



Procurement



Construction



2. SEG Competence



Financing Assistance

Supported by Chinese governments' export-oriented policies, SEG can assist Clients to attain the most favorable financing or loan from Chinese ECAs/commercial banks and related financial institutions to meet Clients' requirement.



Ministry of Finance of China

Ministry of Commerce of China



中国出口信用保险公司
CHINA EXPORT & CREDIT INSURANCE CORPORATION

ICBC 中国工商银行



Successful Financing Cases in International EPC Projects

Atyrau Refinery PX Project, Kazakhstan

- Owner: KazMunaiGas
- Contract Type: EPC
- Contract value: USD 1.04 billion
- SEG assisted the client on ECA financing from China Exim Bank.
- The project includes one 1 Mt/a CCR unit, one 500 Kt/a PX unit and two auxiliary systems.
- Contract schedule: 39 Months from 2010

Atyrau Refinery Deep Oil Conversion Project, Kazakhstan

- Owner: KazMunaiGas
- Contract Type: EPC (consortium of SEG + KSS + Marubeni)
- Contract commenced on Dec., 2012, the project includes 13 process units and supporting system.
- Contract value: USD 1.68 billion
- Joint Financing from China and Japan.
- Contract schedule: 41 Months from 2012

Jumbo PTA/PET Project, USA

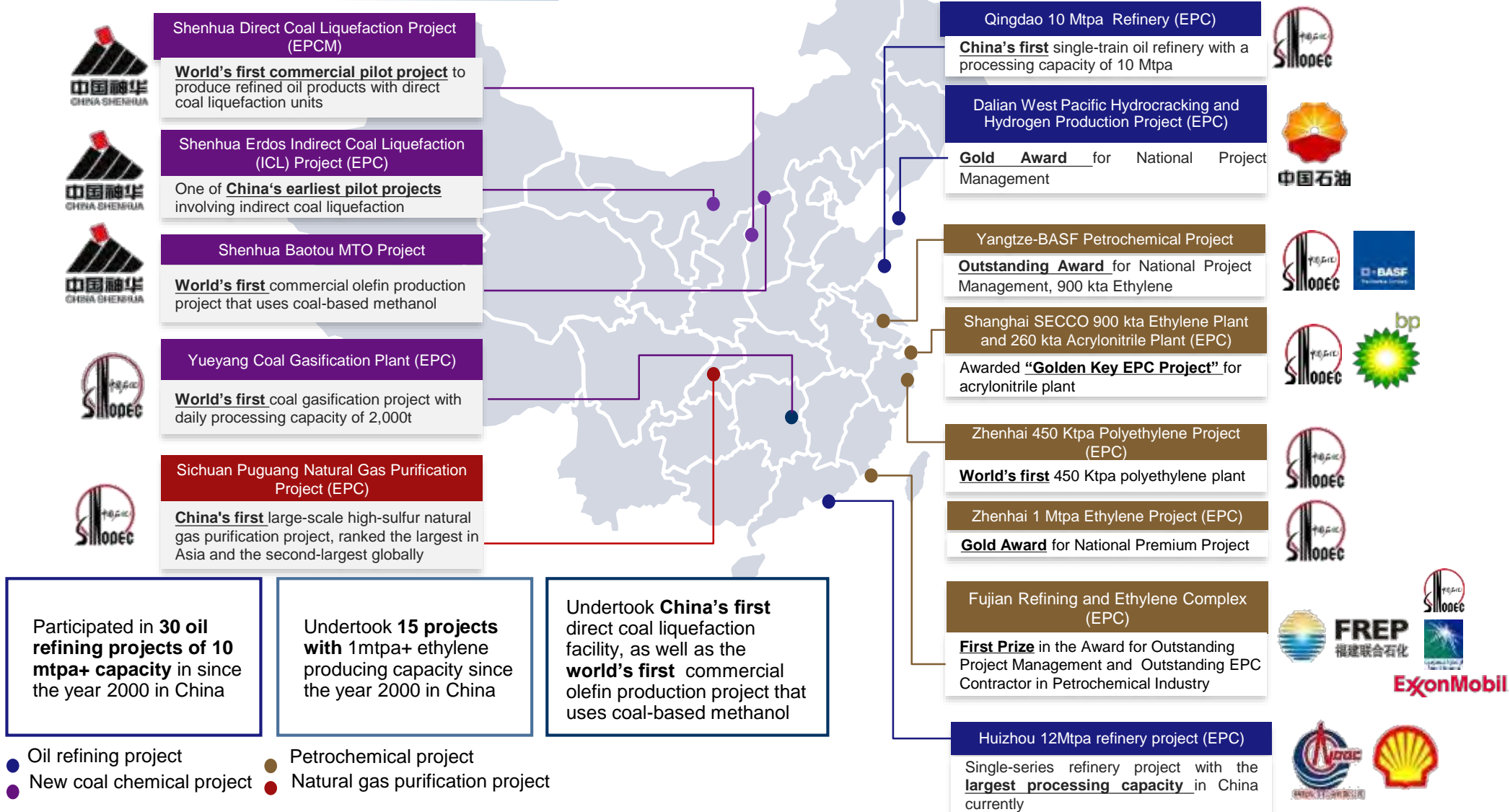
- Owner: M&G Resins USA LLC
- Contract Type: EPC
- Location: Corpus Christi, Texas, USA
- The project includes 1.2 Mt/a PTA and 1 Mt/a PET units and auxiliary facilities
- Contract value: USD 1.15 billion
- SEG assisted the client on ECA financing from ICBC
- Contract schedule: 36 Months starting from 2013



3. Major Domestic Experiences

3. Major Domestic Experience

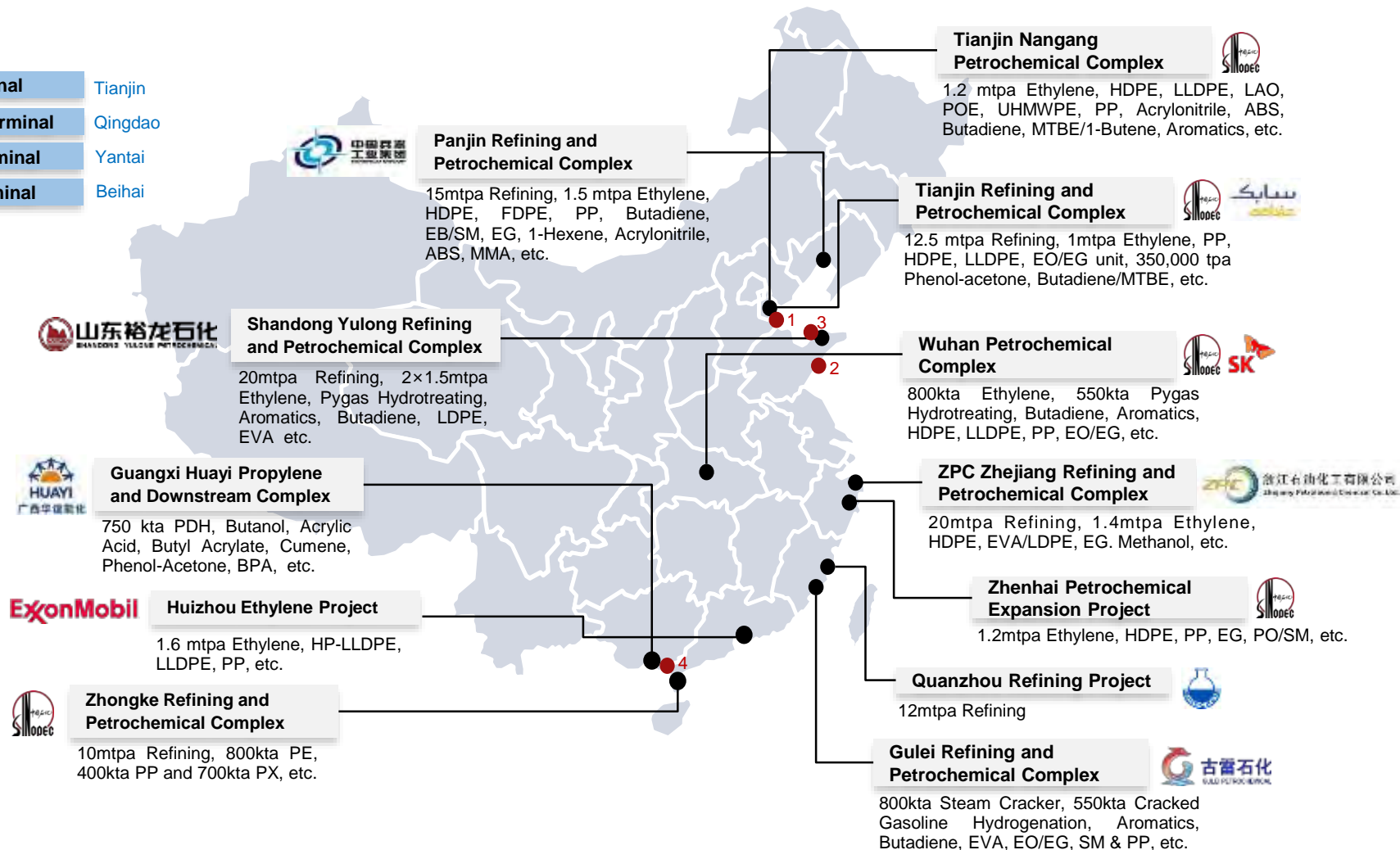
Representative Domestic Projects



3. Major Domestic Experience

Representative Domestic Projects – Recent Years

- 1 Tianjin LNG Terminal Tianjin
- 2 Shandong LNG Terminal Qingdao
- 3 Longkou LNG Terminal Yantai
- 4 Guangxi LNG Terminal Beihai



3. Major Domestic Experience

ExxonMobil Huizhou Chemical Complex

ExxonMobil's mega investment project in China



■ Highlights:

- All processing units constructed by **SINOPEC** construction Companies.
- Equipment and Materials 90% purchased in **CHINA**.
- Referred **Chinses GB Standards** as Design Basis.

- **Owner:** ExxonMobil
- **Location:** Huizhou, Guangdong Prov., China
- **Status:** Under Construction
- **Contract Type:** FEED+EPC
- **Contract Value:** ~USD 3 billion
- **Project Involvement:** : 1.6 MTA Ethylene, 2 x 480 KTA PP, 500 KTA LDPE, 730 + 500 KTA GPPE, 270 KTA Butadiene, etc.



3. Major Domestic Experience



Huajin Fine Chemicals and Raw Materials Project

Saudi Arabia's biggest investment project in China



- **Owner:** JV of Saudi Aramco, Norinco Group & SINCEN
- **Location:** Panjin, Liaoning Province
- **Status:** Detailed Engineering
- **Contract Type:** FEED +EPC
- **Project Involvement:** 15 MTA CDU, 4.2 MTA RFCC Petrochemical: 1.65 MTA Ethylene, 450 KTA FDPE, 1 MTA C4 Unit etc.



3. Major Domestic Experience

Gulei Refining and Petrochemical Complex

Landmark project that constitutes the world class green ecological petrochemical base.

- **Project:** Gulei Refining and Petrochemical Complex
- **Location:** Zhangzhou, Fujian Prov., China
- **Client:** Fujian Gulei Petrochemical Co., Ltd.
- **Contract Type:** EPC
- **Total Investment:** USD 4.2 bn
- **Duration:** 2017.12 - 2020.12

Project Involvement: 800kta Steam Cracker Unit, 550kta Cracked Gasoline Hydrogenation Unit, 350kta Aromatics Extraction Unit, 140kta Butadiene Extraction Unit, 300kta EVA Unit, 100kta/700kta EO/EG Unit, 600 kta SM Unit, 350kta PP Unit, etc.



3. Major Domestic Experience

ZPC Zhejiang Zhoushan Refining and Petrochemical Complex

Landmark mega project with biggest refining (40 mta), ethylene (4.2 mta) and aromatics (11.8 mta) capacities in China.



- **Project:** ZPC Zhejiang Zhoushan Refining and Petrochemical Complex
- **Location:** Zhoushan, Zhejiang Prov., China
- **Client:** Zhejiang Petroleum & Chemical Co., Ltd.
- **Contract Type:** EPC
- **Total Investment:** USD 24.1 bn (Two Phases)
- **Duration:** Phase I: 2016.9 - 2019.12; Phase II: On-going

Phase II: 20 mtpa Refining (CDU & VDU), 5mtpa Residue Hydrotreating Unit, 3mtpa Coking Unit, 3mtpa Light Hydrocarbon Recovery Unit, 4.2mtpa Heavy Oil Catalytic Cracking Unit, 2×4mtpa Diesel Hydrocracking Unit, 2×4mtpa Continuous Reforming Units, 3.2mtpa Naphtha Hydrotreatin Unit, 2×2.6mtpa Aromatics Units, 3.8mtpa Wax Oil Hydrotreating Unit, 1.8 mtpa S-Zorb Unit, 1.1mtpa C3/C4 Separation Unit, 300/400kta C1/C2 Separation Unit, PSA Unit, 1.4mtpa Ethylene Unit, 300kta HDPE Unit, 100/300kta EVA/LDPE Unit, 750kta EG Unit, 400kta Methanol Unit, etc.



3. Major Domestic Experience

Zhongke Refining and Petrochemical Complex

Landmark project solely invested by SINOPEC, located in Zhanjiang, Guangdong Province, energy and logistics hub in southern China.

- **Project:** Zhongke Refining and Petrochemical Complex
- **Location:** Zhangjiang Guangdong Prov., China
- **Client:** SINOPEC
- **Contract Type:** EPCC
- **Total Investment:** USD 5.8 bn
- **Duration:** 2016.4 - 2019.12

10 mtpa refinery including: CDU/VDU, CCR, Residue Hydrotreating Unit, KHU, DHU Catalytic Cracking Unit, Paraffin Oil Hydrocracking Unit, Hydrogen Production Unit and 800,000tpa of polyethylene (PE), 400,000tpa of polypropylene (PP) and an aromatics complex producing 700,000tpa PX.



3. Major Domestic Experience

Representative Domestic Projects – Refining & Petrochemical

During last 10 years, SEG successfully completed 30 projects of 10 mta+ refineries:

Including:

- Hengli Petrochemical Co. : 20 mta refining in Dalian City
- Zhejiang Petrochemical Co.: 40 mta refining in Zhejiang Province
- Shenghong Petrochemical Co.: 16 mta refining in Jiangsu Province(Aramco Investment)
- Yulong Petrochemical Co.: 20 mta refining in Shandong Province (Aramco Investment)
- Huajin Petrochemical Co. : 15 mta refining in Liaoning Province (Aramco Investment)
- Sinopec Maoming: 23 mta refining in Guangdong Province
- Sinopec Zhenhai.: 27 mta refining in Zhejiang Province

...

During last 10 years, SEG successfully completed 15 projects of 1 mta+ ethylene complex:

Including:

- China-Saudi Petrochemical Co. : 1.3 mta ethylene in Tianjin, with SABIC
- Huizhou Exxonmobil Co: 1.6 mta ethylene in Guangdong Province
- Yu Long Petrochemical Co.: 3 mta ethylene in Shandong Province (with Saudi Aramco Investment)
- Huajing Co. : 1.6 mta ethylene in Liaoning Province (with Saudi Aramco Investment)
- CNPC Jilin Co. : 1.2 mta ethylene in in Jilin Province
- Sinopec Maoming Co.: 1.6 mta ethylene in Guangdong Province

...



3. Major Domestic Experience

Representative Domestic Projects – Refining & Petrochemical

Yangzi



Shijiazhuang



Zhongke



Wuhan – SINOPEC+SK



Hainan



3. Major Domestic Experience

Representative Domestic Projects – Refining & Petrochemical



3. Major Domestic Experience

Representative Domestic Projects – Refining & Petrochemical



3. Major Domestic Experience

Representative Domestic Projects – Refining & Petrochemical

Maoming



Changling



Qingdao



Qilu



3. Major Domestic Experience

Representative Domestic Projects – Natural Gas Treatment

Sichuan Puguang Natural Gas Treatment Project

Processing Capacity: 15 billion cubic meters/year

Project Contract Value: around 2.3 billion USD

Service Scope: FS+FEED+EPC

- LNG Liquidation, storage and transportation;
- Desulfurization;
- Steam Natural Gas Reforming;
- Natural gas to produce synthetic ammonia etc.



Sichuan Yuanba Natural Gas Treatment Project

Processing Capacity: 4 billion cubic meters/year

Project Contract Value: USD 442 million

Service Scope: EPC

- Desulfurization;
- Dehydration;
- Sulfur Recovery;
- Off-gas Treatment;
- Sulfur Forming;
- Acid Water Stripper.



3. Major Domestic Experience

Representative Domestic Projects – Coal Chemical



3. Major Domestic Experience

Representative Domestic Projects – LNG Terminals

Tianjin LNG Terminal Station

LNG Tank Capacity:

Phase 1: $4 \times 160,000\text{m}^3$, Phase 2: $5 \times 200,000\text{m}^3$



Qingdao LNG Terminal Station

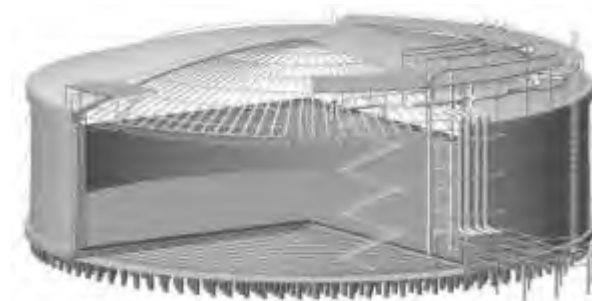
LNG Tank Capacity: $4 \times 160,000\text{m}^3$



LNG Terminal includes:

Unloading System,
LNG Storage System,
BOG Treating System,
LNG Gasification System,
NG Metering and Transportation System,
Truck Loading System and Flare System.

LNG Tank



3. Major Domestic Experience

Representative Domestic Projects – Green Low Carbon Energy

Kuche Photovoltaic-Electrolysis (PV-E) Green Hydrogen Project

Client: SINOPEC; **Location:** Kuche, Xinjiang AR, China
Capacity: H₂ Production: 20 ktpa, H₂ Storage: 210,000m³
 H₂ Transportation: 28,000m³/h



Inner Mongolia Ordos Wind-PV Green Hydrogen Project

Client: SINOPEC Star Co., Ltd.;
Location: Wushen Banner, Inner Mongolia AR, China
Capacity: Hydrogen Production: 30,000 tpa;
When completed it will become the world's largest green hydrogen plant.



SINOPEC Qilu CCUS Project

Client: SINOPEC Qilu Petrochemical Co., Ltd.
Location: Zibo, Shandong Province, China
Max. CO₂ Transportation Capacity: 1.7 mtpa;



3. Major Domestic Experience

Representative Domestic Projects – Other Sectors

Ammonia / Fertilizer



Hubei Fertilizer Project



Dazhou Fertilizer Project

Power / IGCC



IGCC Project in Fujian Refining & Petrochemical Complex



Cogeneration Power Plant in Wuhan Ethylene Project

Sulphur / Phosphorous Chemical



Yunnan Hongxiang Sulphuric Acid & Phosphoric Acid Project



Sichuan Meifeng NPK Project



4. Major Overseas Experiences

4. Major Overseas Experience

Overall Glance

Since establishment, SEG has executed over 220 international refining and petrochemical as well as onshore oil and gas projects in which some representative projects are shown as below:

aramco Saudi Arabia

- Rabigh Refinery Phase I & II-construction packages
- Yanbu Export Refinery-construction packages
- Jazan Export Refinery-construction packages
- Jubail Export Refinery-construction packages
- Fadhili Gas Project, construction packages
- Marjan Increment Program – PKG6,10, 11
- Haradh GOSP construction packages
- Upgrade Crude Oil Delivery System at East-West Pipelines Corridor (EWPL)
- AAP General Construction Works for Berri Project
- AMIRAL Project Package 5AC
- Riyas NGL Project PKG1 & 2
- Jafurah Gas Compression Project Phase III

MA'ADEN Saudi Arabia

- Ma'aden Umm Wu'al Phosphate Projects – SAP and U&O

Algeria

- Sonatrach Skikda LNG Storage Tank Project
- Sonatrach Arzew MTBE Project

KIPIC Kuwait

- KIPIC Al-Zour Refinery Project

Kuwait

- Lower Fars Heavy Oil Development Project
- KOC GC32 Gathering Center Project, E&M Package

Saudi Arabia

- SABIC Polyolefins Project
- SABIC Port Logistics Project
- SABIC Ibn-Rushd PET Project
- SABIC GAS Phase-9 Expansion Project
- SABIC Kayan NDA Project
- SABIC IBB Reliability Improvement Project

Kazakhstan

- Aromatic Hydrocarbons Complex at Atyrau Refinery
- Deep Oil Conversion Project at Atyrau Refinery
- Silleno Ethane Cracker Project

Russia

- Amursky Gas Processing Plant (AGPP) : Part III– UIO
- Amur Gas Chemical Complex (AGCC): Polyolefin Project
- Amur Gas Chemical Complex (AGCC): Mixed Feed Cracker Unit – ISBL & OSBL Construction Work

Oman

- Duqm Refinery PKG4 Construction

Thailand

- IRPC PPC & PPE Project (Thailand)

Singapore

- CRISP Project (Singapore)

Malaysia

- RAPID Project -- Residue Hydro-treatment Package
- RAPID Project -- ASRS Automated Polymer Warehouse

UAE

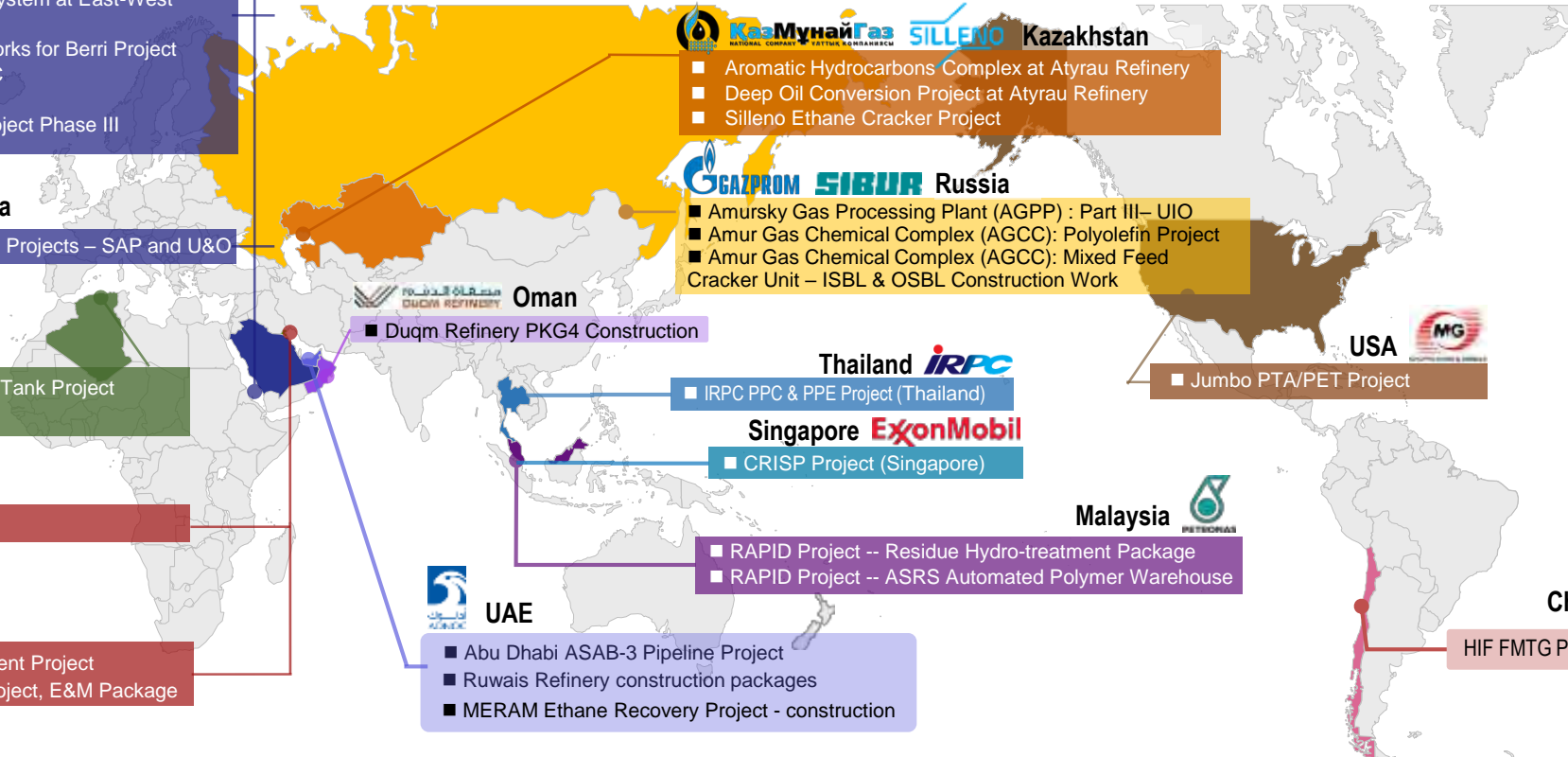
- Abu Dhabi ASAB-3 Pipeline Project
- Ruwais Refinery construction packages
- MERAM Ethane Recovery Project - construction

USA

- Jumbo PTA/PET Project

Chile

- HIF FMTG Pilot Project



4. Major Overseas Experience

Key overseas projects undertaken from 2023 to 2024

Vapor Handling Facilities at Ras Tanura Sea Islands (VHRT) Project – FEED+PMC

- Owner: Saudi Aramco
- Contract Type: EPCC
- Contract Signing date: June 2023
- Location: Jubail, Saudi Arabia
- Main Scope of Work: VOCs Collection System, Vapor Compression System, Subsea Pipeline, Slug Catcher, Vapor Treatment Facility, etc.
- Project schedule: 65 months

Riyas NGL Fractionation Facilities PKG1 & 2



- Owner: Saudi Aramco
- Contract Type: EPC
- Contract Signing date: January 2024
- Location: Riyas Area, Saudi Arabia
- Contract Value: USD 3.35 billion (SEG portion: USD 1.17 billion)
- Main Scope of Work: NGL Fractionation Trains, NGL Utilities, Storages and Export Facilities.
- Project schedule: 41 months
- EPC Contractor: TR & SEG



4. Major Overseas Experience

Key overseas projects undertaken from 2023 to 2024

AMIRAL Project – PKG 5AC



- **Owner: SATORP (Saudi Aramco + TotalEnergies)**
- Contract Type: EPCC
- Awarded in: Jun 2023
- Location: Jubail, Saudi Arabia
- **EPCC Contractor: SEG**
- Contract Value: USD 726 million
- Main Scope of Work: Tank Farm and SATORP Integration
- Project schedule: 38 months

Jafurah Gas Compression Plants - Phase III



- **Owner: Saudi Aramco**
- **EPCC Contractor: TR & SEG**
- Contract Type: EPC
- Contract Signing date: Jun 2024
- Location: Jafurah Area, Saudi Arabia
- Contract Value: USD 2.24 billion (SEG portion: USD 0.9 billion)
- Main Scope of Work: Expansion of GCPs (HZEM-6, THRY-9, THRY-5) with revamping works in JFGP.
- Project schedule: 42 months



4. Major Overseas Experience

Skikda LNG Storage Tank & Arzew MTBE Project, Algeria

Skikda LNG Storage Tank Project

- Owner: Sonatrach • EPC Contractor: SEG & SIPSC
- Contract Type: EPCC
- Contract Signing date: February 2022
- Location: Skikda, Algeria
- Contract Value: USD 183.7 million
- Main Scope of Work: Demolition of two existing LNG storage tanks and construction of a new 150,000 m³ LNG tank with related pumping, substation and interconnection facilities.
- Project schedule: 40 months

Arzew MTBE Project

- Owner: Sonatrach • EPC Contractor: SEG & CNTIC
- Contract Type: EPCC
- Contract Signing date: June 2022
- Location: Arzew, Algeria
- Contract Value: USD 315 million
- Main Scope of Work: 200 kta MTBE, 160 kta Isomerization, 330 kta Isobutane Dehydrogen Units and affiliate facilities
- Project schedule: 36 months



4. Major Overseas Experience

Amur Gas Chemical Complex Projects, Russia

AGCC Polyolefin Project



AGCC Mixed Feed Cracker Project

- Owner: Amursky GCC LLC (Sibur + Sinopec)
- Contract Type: EPSS
- Contract Value: USD 256 million
- Contract signing date: May 2020
- Location: Svobodny, Amursky, Russia
- Main Processing Units: PE/PP/LAO Units
- Project schedule: 39 months

- Owner: Amursky GCC LLC (Sibur + Sinopec)
- Contract Type: C (General Construction)
- Contract Value: USD 1,011 million
- Contract signing date: Mar 2021
- Location: Svobodny, Amursky, Russia
- Main Scope of Work: ISBL(LOT1) and OSBL(LOT2) Construction Works
- Project schedule: 39 months



4. Major Overseas Experience

Marjan and Berri Projects, Saudi Arabia



Berri Project – PKG1

- Owner: Saudi Aramco
- EPC Contractor: Saipem
- Contract Type: C (MEI Works)
- Contract Value: USD 350 million
- Contract signing date: Nov 2020
- Location: Abu Ali Island, Saudi Arabia
- Project schedule: 42 months

Marjan Increment Project – PKG6

- Owner: Saudi Aramco
- EPC Contractor: HDEC
- Contract Type: C (MEI Works)
- Contract Value: USD 45 million

Marjan Increment Project – PKG10

- Owner: Saudi Aramco
- EPC Contractor: Saipem
- Contract Type: C (MEI Works)
- Contract Value: USD 155 million

Marjan Increment Project – PKG11

- Owner: Saudi Aramco
- EPC Contractor: TR
- Contract Type: C (MEI Works)
- Contract Value: USD 204 million

- Location: Tanajib Area, Saudi Arabia



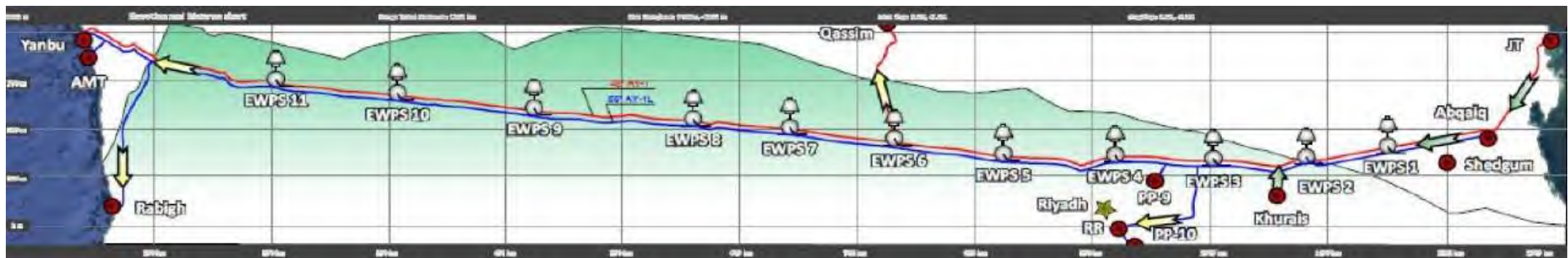
4. Major Overseas Experience

Upgrade Crude Oil Delivery System at EWPL, Saudi Arabia

Upgrade Crude Oil Delivery System at East-West Pipelines Corridor (EWPL)



- **Owner:** Saudi Aramco
- **Contract Type:** EPC
- **Contract signing date:** Jan 2020
- **Contract value:** USD 386 million
- **Location:** From Yanbu to Abqaiq, Saudi Arabia
- **EPC Contractor:** SEG
- **Main Work:** Installation of new combustion gas turbine and pump trains, new instrument air compressor packages, upgrading surge relief stations and warehouse buildings, etc.
- **Project schedule:** 43 months



4. Major Overseas Experience

SABIC GAS Phase-9 Expansion and IBB Ammonia Project – Saudi Arabia

SABIC GAS Phase-9 Expansion Project

- Owner: SABIC (GAS)
- Contract Type: EPC
- Contract signing date: Mar 2018
- Contract value: USD 280 million
- Location: Jubail, Saudi Arabia
- EPC Contractor: SEG
- Main Work: - Gaseous Oxygen (GOX) Unit: 3600 MTPD / - Gaseous Nitrogen (GAN) Unit: 3500 MTPD / - Argon Unit: 100 MTPD
- Project schedule: 30 months

IBB Reliability Improvement Project

- Owner: SABIC (IBB, now SAFCO)
- Contract Type: EPC
- Contract signing date: Aug 2018
- Contract value: USD 100 million
- Location: Jubail, Saudi Arabia
- EPC Contractor: SEG
- Main Work: Ammonia Unit reliability improvement to reach capacity of 1,650 tpd
- Project schedule: 26 months



4. Major Overseas Experience

KIPIC Al-Zour Grassroot Refinery Project, Kuwait

- Owner: KIPIC
- Contract Type: EPCC
- Bid Awarded: July 30th 2015
- Contract signed date: October 2015
- Consortium: TR-SEG-Hanwha
- Location: Al-Zour, Kuwait
- Contract Value: USD 4.24 billion (SEG portion USD 1.7 billion)
- Processing Capacity: 30 mtpa Grassroot Refinery
- Project schedule: 45 months



Project Overview



4. Major Overseas Experience

Petronas RAPID Project, Residue Hydrotreating Package, Malaysia

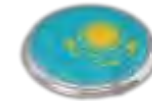
- Owner: Petronas
- Contract Type: EPCC
- Contract signed on Aug 28th 2014,
- Contract value: USD 1.3 billion
- EPCC Contractor: SEG
- Location: Pengerang, Johor, Malaysia
- Scope of Work: 15 MTA CDU, 8.8 MTA ARDS, HCDU and FOS
- Project schedule: 52 Months



4. Major Overseas Experience

Deep Oil Conversion Project at Atyrau Refinery, Kazakhstan

- Owner: KazMunayGas
- Contract Type: EPC (consortium of SEG + KSS + Marubeni)
- Contract commenced on Dec., 2012, the project includes 13 process units and supporting system.
- Contract value: USD 1.68 billion
- Financing from China and Japan's ECAs.
- Contract schedule: 41 months (including local gov. approval and acceptance)



Contractor (Consortium):



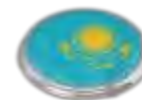
Financing & Insurance
Provided by:



4. Major Overseas Experience

Deep Oil Conversion Project at Atyrau Refinery, Kazakhstan

- Owner: KazMunayGas
- Contract Type: EPC
- Contract value: USD 1.04 billion
- EPC Contractor: SEG
- SEG assisted the client on ECA financing.
- The project includes one 1 mta CCR unit, one 500 kta PX unit and supporting system.
- Contract schedule: 39 Months (including local gov. approval and acceptance)



EPC Contractor



Financing Bank



Guarantor



4. Major Overseas Experience



中国石化
SINOPEC

SABIC Yansab Polyolefin Project, Saudi Arabia

- Owner: SABIC (YANSAB)
- Location: Yanbu, Saudi Arabia
- Contract Type: EPC (Consortium of SINOPEC and Aker Kvaerner), Awarded in 2005
- Plant Involvement: 500kta LLDPE Plant, 500kta PP Plant and 1400kta Polymer Handling Plant;
- Contract value: USD 750 million (SEG portion: USD 345 million)
- Project Duration: 46 months
- Peak manpower: 3000+



4. Major Overseas Experience

Saudi Arabia Projects



كيان السعودية
saudi kayan

Saudi Kayan NDA (Natural Detergent Alcohol) Project

- Owner: SABIC (Saudi Kayan)
- Location: Jubail
- EPC Contractor: SEG
- Contract Scope: EPC
- Contract Value: USD 130 million
- Project Duration: 2011.8 to 2013.12
- Peak manpower: 1800+

Saudi Kayan EO/EG Project

- Owner: SABIC (Saudi Kayan)
- Location: Jubail
- EPC Contractor: CTCI
- Contract Scope: Construction and CM

- Contract Value: USD 96 million
- Project Duration: 2006.11 to 2009.7
- Peak manpower: 1400+

Saudi Kayan Port & Tank Farm Project

Saudi Kayan No.4 Pipe Rack Project

Saudi Kayan K80 (U&O) Project

(Furnace, Air Compression Station, Piping, etc.)

Saudi Kayan Crude Furnace Project

Saudi Kayan Flare System Project

Saudi Kayan Amine Project

Saudi Kayan LDPE Project

NDA Project



EO/EG Project



No.4 Pipe Rack



Furnace Project



Flare System



Amine Project



LDPE



4. Major Overseas Experience

Saudi Arabia Projects

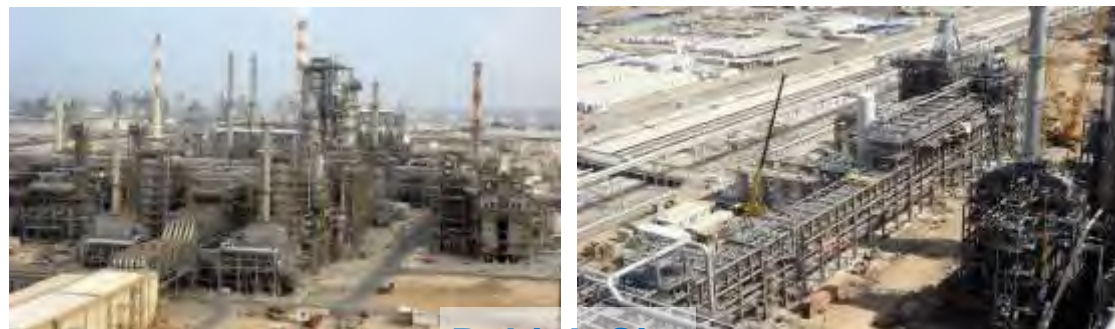
Rabigh Refinery Development Project

- Owner: PetroRabigh
- EPC Contractor: Tecnicas Reunidas
- Project Duration: May 2006 to June 2008
- Peak Manpower: 3200+

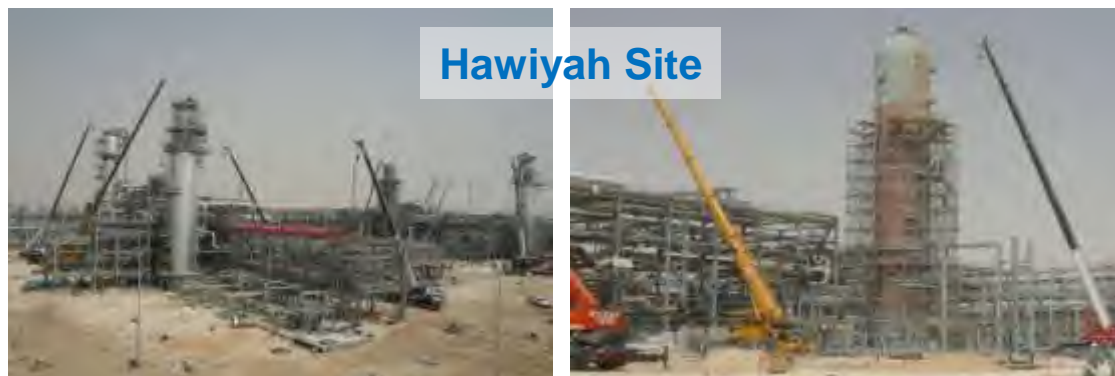
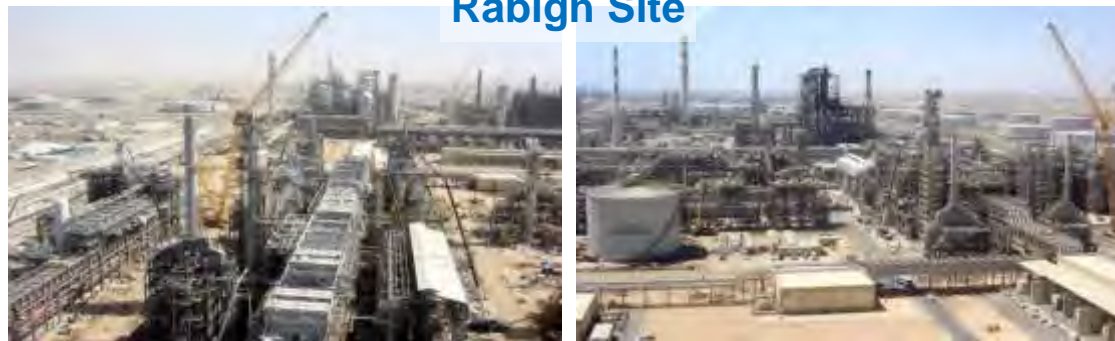


Hawiyah Natural Gas Expansion Project

- Owner: Saudi Aramco
- EPC Contractor: Tecnicas Reunidas
- Project Duration: Oct 2006 to June 2008
- Peak Manpower: 2000+



Rabigh Site



Hawiyah Site

4. Major Overseas Experience

Saudi Arabia Projects

SATORP JERP (Jubail Export Refinery Project) P1-MS1

- Owner: Satorp (Total/Saudi Aramco)
- Location: Jubail, Saudi Arabia
- EPC Contractor: TR
- Plant Involvement: Construction Work for CDU & VDU Units;
- Contract Value: USD 185 million
- Project Duration: 2010-2013
- Peak manpower: 1800+



SATORP JERP (Jubail Export Refinery Project) 2A-1 & 2A E&I

- Owner: Satorp (Total/Saudi Aramco)
- Location: Jubail, Saudi Arabia
- EPC Contractor: Technip Italy & Daelim
- Plant Involvement: Construction Work for two Hydrocracking Units
- Contract Value: USD 88.5 million + 15 million
- Project Duration: 2010-2013
- Peak manpower: 1600+



4. Major Overseas Experience

Saudi Arabia Projects

SABIC Ibn Rushd PET Project

- Owner: Ibn Rushd (SABIC Affiliate)
- Location: Yanbu, Saudi Arabia
- Contract Type: EPC
- Plant Involvement:
 - PET unit expansion to 420,000 tpa
- Contract value: USD 177 million
- Project Duration: 2010 to 2013
- Peak manpower: 1800+

SABIC Portside & Logistics Project

- Owner: SABIC
- Location: Jubail, Saudi Arabia
- Contract Type: EPC
- Plant Involvement: Portside and Logistics Facilities
- Contract Value: USD 184 million
- Project Duration: 2011-2014
- Peak manpower: 1300+



4. Major Overseas Experience

Saudi Arabia Projects

Ma'aden Umm Wu'al Phosphate Project – Sulphuric Acid Plant (SAP) – U&O and Infrastructure

- Owner: Ma'aden
- Location: Turaif, North Border Province, Saudi Arabia
- EPC Contractor:
 - SAP Project: Consortium of SNC Lavalin & SEG
 - U&O Project: Jacobs (EPCm)
- Plant Involvement:
 - SAP Project: a three-line, 15,150 tpd sulfuric acid plant and two 75-MW power plants;
 - U&O Project: Pipe Rack, Buildings, Units Area, etc.
- Contract Value:
 - SAP Project: USD 764 million (SEG: USD 238m)
 - U&O Project: USD 448 million
- Project Duration:
 - SAP: 2014-2017
 - U&O: 2015-2017
- Peak manpower:
 - SAP: 1600+
 - U&O: 4600+



SAP Project Ground Breaking Ceremony



SAP Project Site



U&O Site – Rail Loading Area – Sulphur Pool



U&O Site – Bird View

4. Major Overseas Experience

Saudi Arabia Projects

Jazan Refinery – Construction Subcontract Packages

- **Owner: Saudi Aramco**
- Location: Yanbu, Saudi Arabia
- **EPC Contractor: TR**
- Plant Involvement: Hydrocracking & H2 Generation Units
- Contract Value: USD 194 million
- Project Duration: 2014-2017
- Peak manpower: 3700+



Jazan IGCC Project – Construction Subcontract

- **Owner: Saudi Aramco**
- Location: Yanbu, Saudi Arabia
- **EPC Contractor: TR**
- Plant Involvement: Pipe Rack & Water Treatment Units
- Contract Value: USD 292 million
- Project Duration: 2015-2017
- Peak manpower: 3300+



4. Major Overseas Experience

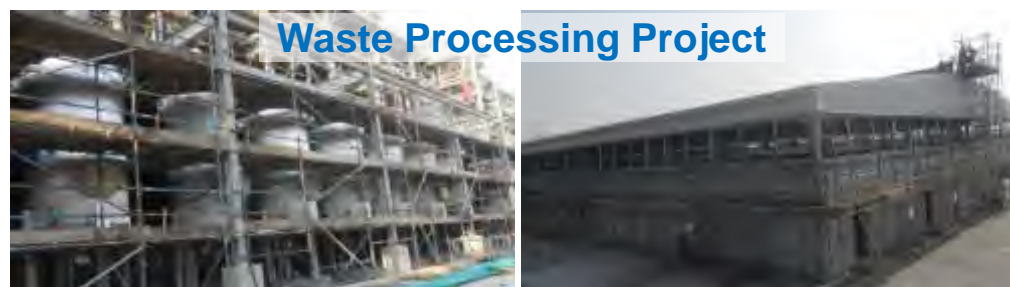
Saudi Arabia Projects

Sadara EO/EOD/POD Project

- Owner: Sadara (Saudi Aramco & Dow)
- Location: Jubail, Saudi Arabia
- EPC Contractor: TR
- Plant Involvement: EO 360kta/EOD 200kta /POD 400kta Units
- Contract Value: USD 181 million
- Project Duration: 2013-2016
- Peak manpower: 3500+

Sadara Waste Processing Project

- Owner: Sadara (Saudi Aramco & Dow)
- Location: Jubail, Saudi Arabia
- EPC Contractor: Fluor
- Plant Involvement: Construction Work for Waste Water Treatment, Solid Waste Processing and Heat Treatment Units
- Contract Value: USD 76.6 million
- Project Duration: 2013-2015
- Peak manpower: 1500+



4. Major Overseas Experience

Saudi Arabia Projects

Fadhili Gas Project

- Owner: Saudi Aramco
- Location: Fadhili, Saudi Arabia
- EPC Contractor: TR
- Contract Value: USD 320 million
- Plant Involvement: Electro-Mechanical Works
- Project Duration: 2016-2019
- Peak manpower: 5000+

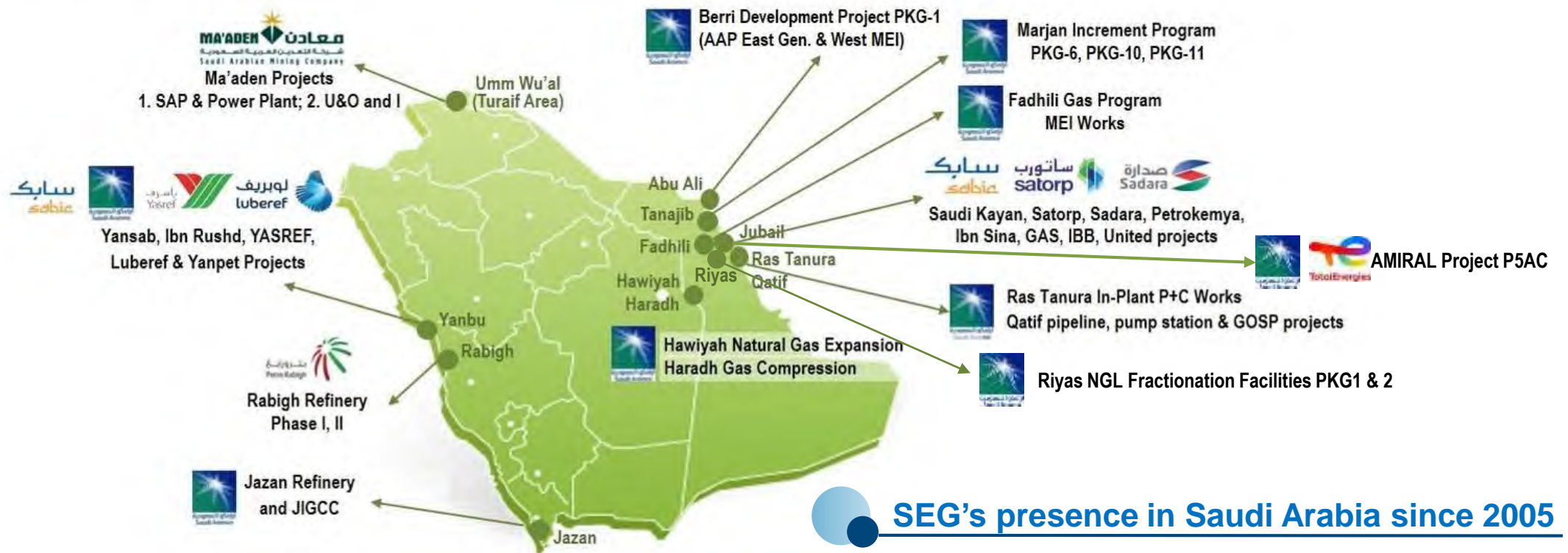


4. Major Overseas Experience



Representative Projects:

- | | | |
|--|---|---|
| 1. SABIC Polyolefin Project (EPC) | 10. Petrokemya ABS Project (C) | 18. GAS Phase-9 Expansion Project (EPC) |
| 2. Rebigh Refinery Project (C) | 11. Sadara EO/EOD/POD Project (C) | 19. IBB Reliability Improvement Project (EPC) |
| 3. Saudi Kayan EO/EG Project (C) | 12. Umm Wu'al Phosphate Project – SAP & Power Plant (EPC) | 20. Various In-Plant Construction and Procurement Services in Ras Tanura Refinery and Jua'aymah NGL Fractionation Plant (PC, C, SS) - ongoing |
| 4. Satorp Jubail Export Refinery Project, P1-MS1 (C) | 13. Jazan Refinery Hydrocracking & Hydrogeneration Unit (C) | 21. Marjan Increment Project PKG-6, 10, 11 (C) - ongoing |
| 5. Satorp Jubail Export Refinery Project, P2A-1 (C) | 14. Jubail Bulk Plant Interface Supply Facilitie - ISF (PC) | 22. Upgrade Crude Oil Delivery System at East-West Pipelines Corridor (EWPL) (EPC) - ongoing |
| 6. Ibn Rushd PET-II Project (EPC) | 15. Umm Wu'al Phosphate U&O and Infrastructure Project (PC) | 23. Berri Development Project PKG-1 (AAP East Gen. & West MEI) - ongoing |
| 7. SABIC Portside & Logistics Project (EPC) | 16. Jazan IGCC Project Construction Sub-contract (C) | 24. AMIRAL Project Package 5AC (EPC) |
| 8. Saudi Kayan NDA Project (EPC) | 17. Fadhili Gas Program Electro-Mechanical Works (C) | 25. Riyas NGL Project PKG1,2 (EPC) |
| 9. Sadara RTIP U&O Interconnecting Facilities (C) | | |



SEG's presence in Saudi Arabia since 2005

4. Major Overseas Experience

Other Overseas Projects



RAPID Package 12A - ASRS Warehouse,
Malaysia



Petrokemya Power Station Project,
Saudi Arabia



MEI Work for PKG 4 - EPC P2 - U&O Duqm
Refinery Project
Oman



GC32 Gathering Center Project -
Electrical & Mechanical Package
Kuwait



IRPC PPC & PPE Project,
Thailand



Lubricant Project,
Singapore

4. Major Overseas Experience (projects in Russia and Central Asia)

- ★ Office - representative office
- Completed project
- Project in progress



Kazakhstan



Uzbekistan



Russia

Country	Number of completed projects	Number of unfinished projects
Russia	1	9
Kazakhstan	4	2
Uzbekistan	2	0

4. Major Overseas Experience (projects in Russia)

Project name	Date of signing the contract	Project Description	Customer	Type of service	Contract value (mln. dollars)	Status - Completion Date	Contractor
Construction of off-plot facilities	02.06.2017	Construction of a water treatment plant and a chemical water treatment facility	Gazprom – Amur Gas Processing Plant	EPSS	165	Completed	SNEC
Construction of HDPE unit	30.04.2020	Construction of a high-density polyethylene production unit with a capacity of 500 thousand tons per year	SIBUR & SINOPEC - AGCC	EPSS	270	In progress 09.2026	SEI
Construction of Mixed Feed Cracker Unit ISBL	03.03.2021	Construction of pyrolysis main process units with misaligned feedstock feeding with a capacity of 2.7 million tons per year	SIBUR & SINOPEC - AGCC	C	726	In progress 05.2026	Sinopec 4 th
Construction of Mixed Feed Cracker Unit OSBL	03.03.2021	Construction of off-plot facilities for a Mixed Feed Cracker Unit with misaligned feedstock feeding with a capacity of 2.7 million tons per year	SIBUR & SINOPEC - AGCC	C	488	In progress 05.2026	Sinopec 10 th
Lifting of the large-sized equipment in the polyolefin area	21.08.2023	Lifting of 40 units of large-size equipment	YAMATA	C	3.6	In progress 12.2025	SLT
Construction of a polypropylene production unit	13.07.2023 27.09.2023 30.04.2024	Construction of a polypropylene production unit with a capacity of 400 thousand tons per year	SIBUR & SINOPEC - АГХК	Licensing Basic Design EPSS	2.7+69+270	In progress 09.2026	SEI

4. Major Overseas Experience (projects in Russia)

Project name	Date of signing the contract	Project Description	Customer	Type of service	Contract value (mln. dollars)	Status - Completion Date	Contractor
Construction of ethylbenzene and styrene production unit	24.04.2024	Construction of ethylbenzene production unit with capacity of 350 thousand tons per year and styrene production unit with capacity of 250 thousand tons per year	SIBUR-Nizhzhenskneftekhim	EPSS	221	In progress 09.2028	SSEC
Construction of polystyrene production unit and off-plot facilities	24.04.2024	Construction of a polystyrene production unit with a capacity of 250 thousand tons per year and off-plot facilities	SIBUR-Nizhzhenskneftekhim	EPSS	337	In progress 02.2028	SSEC
Construction of the UHMWPE unit	24.04.2024	Construction of an ultra-high molecular weight low pressure high density polyethylene production unit with a capacity of 20 thousand tons per year	SIBUR-Kazanorgsintez	PDP+Early works	1.8+2.58	In progress 03.2025	SSEC
Construction of a polypropylene production unit	18.06.2024	Construction of a polypropylene production unit with a capacity of 570 thousand tons per year	SIBUR-ZapSibNeftekhim	C	151	In progress 05.2026	Sinopec 4th
Construction of a polypropylene production unit	20.06.2024	Construction of a polypropylene production unit with a capacity of 570 thousand tons per year	SIBUR & SINOPEC - AGCC	C	172	In progress 09. 2026	Sinopec 10 th
Lifting of the large-sized equipment	22.06.2024	Lifting of the large-sized equipment at the construction site of Nakhodka Methanol Plant	Nakhodka methanol plant	C	6.8	In progress 12. 2025	SLT

4. Major Overseas Experience (projects in Central Asia)

Project name	Date of signing the contract	Project Description	Customer	Type of service	Contract value (mln. dollars)	Status - Completion Date	Contractor
Construction of aromatic hydrocarbons production unit at Atyrau Refinery	29.10.2009	Reforming unit with capacity of 1 million tons per year, aromatic hydrocarbons unit with capacity of 500 thousand tons per year, off-plot facilities	KazMunaiGas – Atyrau Refinery Kazakhstan	EPCC	1 040	10.2015	GPEC
Construction of PDH and PP unit	20.03.2010	Propane dehydrogenation unit with a capacity of 1 million tons per year, propylene production unit with a capacity of 500 thousand tons per year, off-plot facilities	Kaz Petrochemical Industries (KPI) Kazakhstan	FEED+O BE	22	04.2022	SSEC & SNEC
Construction of a deep oil refining complex	29.12.2011	Catalytic cracking unit with annual capacity of 2.43 million tons, off-plot facilities	KazMunaiGas – Atyrau Refinery Kazakhstan	EPCC	1 678	10.2018	GPEC
Construction of a phosphate fertilizer plant	19.09.2019	Plant for production: 800 thousand tons of sulfuric acid per year, 280 thousand tons of phosphoric acid per year, 540 thousand tons of NPK per year, 370 thousand tons of phosphate per year of (MAP)	Enter Engineering Uzbekistan	EBD	4	12.2020	SNEI
Construction of the MTO unit	30.09.2020	Methanol to olefins conversion unit using S-MTO technology	Enter Engineering Uzbekistan	Licensing + PDP+EP	5+33	05.2023	SEI
Construction of PTA & PET unit	15.12.2023	Installation for the production of PTA with a capacity of 650 thousand tons per year and PET 735 thousand tons per year	KazMunaiGas Kazakhstan	FS	2	5.2024	SSEC
Construction of a pyrolysis unit	19.09.2024	Pyrolysis unit with capacity of 1.25 million tons per year	SILLENNO	EPCC	12 500	12.2028	SEI



4. Major Overseas Experience (main projects in Russia)

- **Project Name:** Construction of Wastewater Treatment and Chemical Water Treatment Facility
- **Project Location:** Amur region, Svobodny city
- **Customer:** Gazprom - Amur Gas Processing Plant
- **Contractor:** Sinopec Ningbo Engineering Company
- **Form of contract:** EPSS
- **Contract signing date:** June 2017
- **Completion date:** December 2021
- **Contract value:** 165 million euros





4. Major Overseas Experience (main projects in Russia)

- **Project Name:** construction of a high-density polyethylene (HDPE) plant
- **Project Location:** Amur region, Svobodny city
- **Plant capacity:** 500 thousand tons per year
- **Customer:** Amur Gas Chemical Complex (joint venture – SIBUR & SINOPEC)
- **Contractor:** Sinopec Engineering Incorporation
- **Form of contract:** EPSS
- **Contract signing date:** April 2020
- **Completion date:** expected in May 2026
- **Contract value:** 230 million euros





4. Major Overseas Experience (main projects in Russia)

- **Project Name:** construction of a Mixed Feed Cracker Unit (ISBL)
- **Project Location:** Amur region, Svobodny city
- **Plant capacity:** 2.7 million tons of ethylene per year
- **Customer:** Amur Gas Chemical Complex (joint venture – SIBUR & SINOPEC)
- **Contractor:** Sinopec 4th Construction Company
- **Form of contract:** C
- **Contract signing date:** March 2020
- **Completion date:** expected in November 2025
- **Contract value:** 726 million dollars





4. Major Overseas Experience (main projects in Russia)

- **Project Name:** construction of a Mixed Feed Cracker Unit (OSBL)
- **Project Location:** Amur region, Svobodny city
- **Plant capacity:** 2.7 million tons of ethylene per year
- **Customer:** Amur Gas Chemical Complex (joint venture – SIBUR & SINOPEC)
- **Contractor:** Sinopec 10th Construction Company
- **Form of contract:** C
- **Contract signing date:** March 2020
- **Completion date:** expected in November 2025
- **Contract value:** 488 million dollars





4. Major Overseas Experience (main projects in Russia)

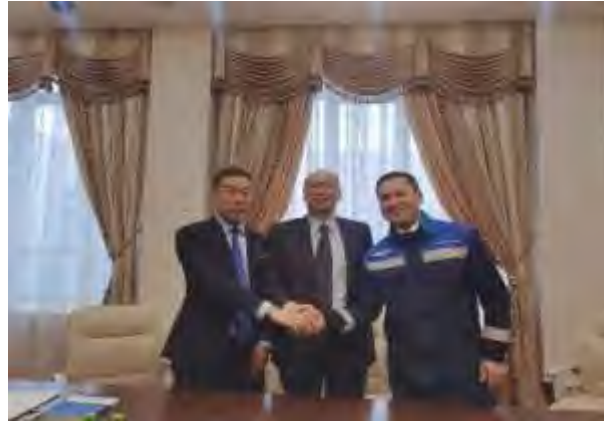
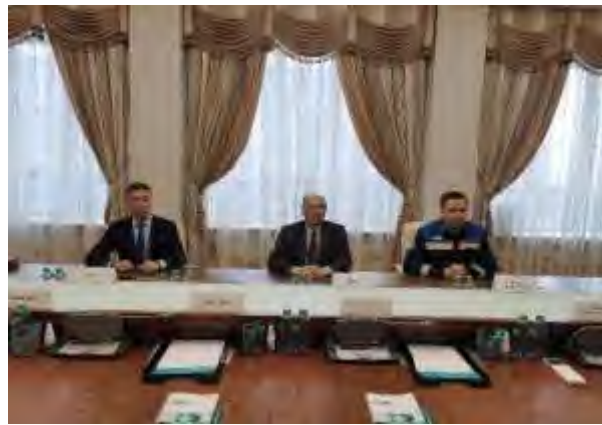
- **Project Name:** construction of polypropylene unit
- **Project Location:** Amur region, Svobodny city
- **Plant capacity:** 400 thousand tons per year
- **Customer:** Amur Gas Chemical Complex (joint venture – SIBUR & SINOPEC)
- **Contractor:** Sinopec Engineering Incorporation & Sinopec 10th Construction Company
- **Form of contract:** Licensing + PDP+ Basic Design + EPSS + C
- **Contract signing date:** November 2022
- **Completion date:** expected in May 2027
- **Contract value:** 2.7+69+270+172 million dollars





4. Major Overseas Experience (main projects in Russia)

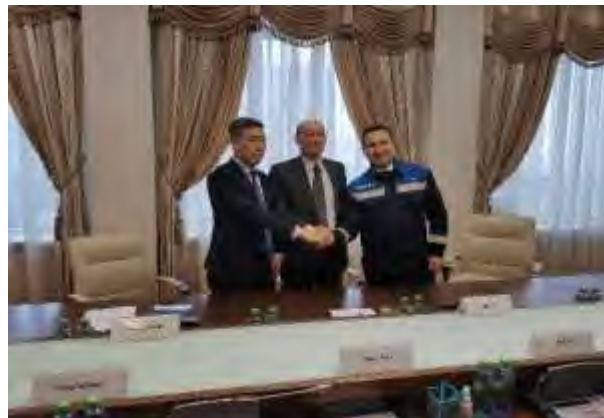
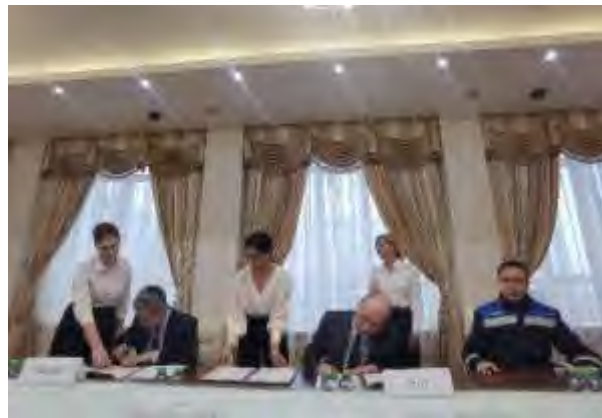
- **Project Name:** construction of ethylbenzene and styrene unit
- **Project Location:** Republic of Tatarstan, Nizhnekamsk
- **Plant capacity:** ethylbenzene 350 thousand tons per year, styrene 400 thousand tons per year
- **Customer:** SIBUR - NizhnekamskNeftekhim
- **Contractor:** Sinopec Shanghai Engineering Company
- **Form of contract:** Licensing + Pre FEED + EPC
- **Contract signing date:** July 2023
- **Completion date:** expected in September 2028
- **Contract value:** 1.75 + 221 million dollars





4. Major Overseas Experience (main projects in Russia)

- **Project Name:** construction of polystyrene unit + OSBL
- **Project Location:** Republic of Tatarstan, Nizhnekamsk
- **Plant capacity:** polystyrene 250 thousand tons per year
- **Customer:** SIBUR - NizhnekamskNeftekhim
- **Contractor:** Sinopec Shanghai Engineering Company
- **Form of contract:** Licensing + Pre FEED + EPC
- **Contract signing date:** September 2023
- **Completion date:** expected in February 2028
- **Contract value:** 4.55 + 377 million dollars





4. Major Overseas Experience (main projects in Russia)

- **Project Name:** construction of polypropylene plant
- **Project Location:** Tyumen region, Tobolsk
- **Plant capacity:** 570 thousand tons per year
- **Customer:** SIBUR - ZapSibNefteKhim
- **Contractor:** Sinopec 4th Construction Company
- **Form of contract:** C
- **Contract signing date:** July 2024
- **Completion date:** expected in May 2026
- **Contract value:** 151 million dollars



4. Major Overseas Experience (main projects in Kazakhstan)



Major overseas projects - Project for construction of aromatic hydrocarbon production complex at Atyrau Refinery, Kazakhstan

- **Project Name:** KazMunaiGas
- **Contract:** EPC
- **Project Location:** Atyrau Refinery, Kazakhstan
- **Contract value:** 1.04 billion USD
- **SEG assisted the Customer in obtaining financing from the Export-Import Bank of China (EXIM)**
- **Main Objects:** Continuous Catalytic Reforming Unit (CCR) with annual capacity of 1 million tons, aromatic hydrocarbons production complex (PX) with annual capacity of 500 thousand tons, off-plot facilities
- **Contract completion period:** 39 months



General Contractor
(EPC)



Bank that provided
the financing



Guarantor





4. Major Overseas Experience (main projects in Kazakhstan)

Major overseas projects - Project for construction of a deep oil refining complex at the Atyrau Refinery, Kazakhstan

- **Customer:** KazMunaiGas
- **Contract:** EPC (SEG+Marubeni+KSS)
- **Project Location:** Atyrau Refinery, Kazakhstan
- **Contract signing date:** December 2012
- **Contract value:** 1.68 billion USD
- **Plant capacity:** 2.43 million tons per year (FCC)
- **Contract completion period:** 41 months



General Contractor
(consortium) EPC



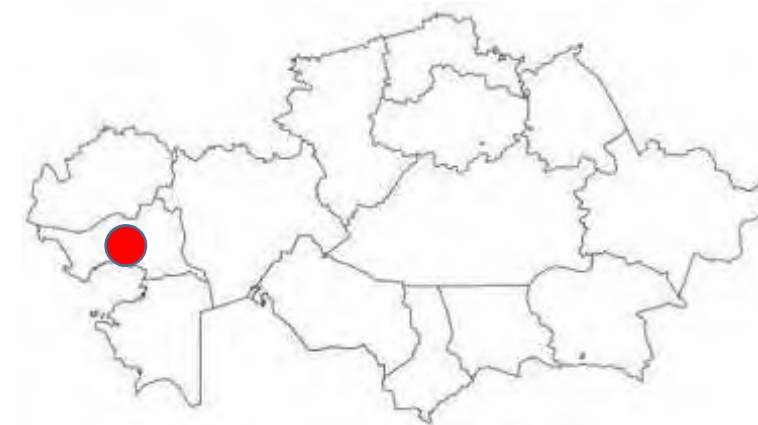
Financing and
insurance



4. Major Overseas Experience (main projects in Kazakhstan)



- **Project name:** construction of a pyrolysis unit
- **Project Location:** Atyrau region, Karabatan
- **Plant capacity:** 1.25 million tons of ethylene per year
- **Customer:** SILLENO
- **Contractor:** Sinopec Engineering Incorporation (with TR in Consortium)
- **Form of contract:** EPCC
- **Contract signing date:** September 2024
- **Completion date:** December 2028
- **Contract value:** 1.25 billion dollars



4. Major Overseas Experience (main projects in Uzbekistan)



- **Project Name:** Construction of a plant for production of sulfuric acid and phosphate fertilizers
- **Project Location:** Samarkand region
- **Plant capacity:** 800 thousand tons of sulphuric acid, 280 thousand tons of phosphoric acid, 540 thousand tons of NPK, 370 thousand tons of phosphate (MAP)
- **Customer:** Enter Engineering / **Contractor:** Sinopec Nanjing Engineering Company
- **Form of contract:** EBD
- **Contract signing date:** October 2019
- **Completion date:** December 2020
- **Contract value:** 4 million dollars



4. Major Overseas Experience (main projects in Uzbekistan)



- **Project Name:** construction of an MTO unit (methanol to olefin)
- **Project Location:** Bukhara region
- **Plant capacity:** 230 thousand tons of ethylene, 270 thousand tons of propylene
- **Customer:** Enter Engineering
- **Contractor:** Sinopec Engineering Incorporation
- **Form of contract:** Licensing + PDP + EP
- **Contract signing date:** September 2020
- **Completion date:** May 2023
- **Contract value:** 5+33 млн долларов



SEG's Clients Worldwide



SEG's Partners Worldwide



Collaboration and Win-Win!

Thank you!

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