

The background is a solid blue color with a network of white lines representing pipelines. Various white icons are scattered throughout, including oil rigs, industrial plants with smokestacks, trucks, and storage tanks. A small globe icon is also visible near the center.

# **NATURAL GAS INDUSTRY COOPERATION OPPORTUNITIES BETWEEN CHINA AND USA**

**YOUR RELIABLE BUSINESS PARTNER**

**KERUI**

[www.keruigroup.com](http://www.keruigroup.com)

# KERUI

## Directory

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- 1.....Who we are
- 2.....Cooperation in the oil and gas field
- 3.....Cooperation in the environment protection field

# **WHO WE ARE**

Oil & Gas Value Chain Solution Provider







# WHO WE ARE



**We Provide End-to-end Technology and Engineering Solutions To Our  
Global Customers Throughout Oil & Gas Value Chain.**

# SERVICE

Engineering	Procurement	Construction	Operation & Maintenance
<ul style="list-style-type: none"> <li>• Feasibility study</li> <li>• Conceptual engineering</li> <li>• Project budgeting</li> <li>• FEED/Basic engineering</li> <li>• Detail engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Procurement management</li> <li>• Global sourcing</li> <li>• KERUI international logistics</li> <li>• KERUI process modules manufacture</li> </ul>	<ul style="list-style-type: none"> <li>• Local construction management</li> <li>• Civil construction</li> <li>• Installation</li> <li>• Commissioning &amp; startup</li> </ul>	<ul style="list-style-type: none"> <li>• O&amp;M for worldwide facilities</li> <li>• Experienced O&amp;M teams</li> <li>• Global spare parts warehouses</li> </ul>
			



# WORLDWIDE MARKETING & SERVICE NETWORK



**57**

Global branches

**33**

Local service  
centers worldwide

**7**

Technical  
support centers

**70%**

Revenue from  
overseas market

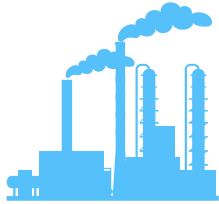
**1800+**

Suppliers and partners

**5000+**

The global customer group

# BUSINESS STREAMS



## Natural Gas Processing

- Gas Processing Facility
- LPG/NGL/CNG/LNG
- Gas to Liquid
- Gas to Chemicals
- Gas to Power
- L-CNG Retail Station



## Oil & Gas Gathering, Transportation & Storage

- EPF and Gathering System
- Pipeline
- Compressing Station
- Pumping Station
- Metering Station
- Terminal and Storage Tank Farm

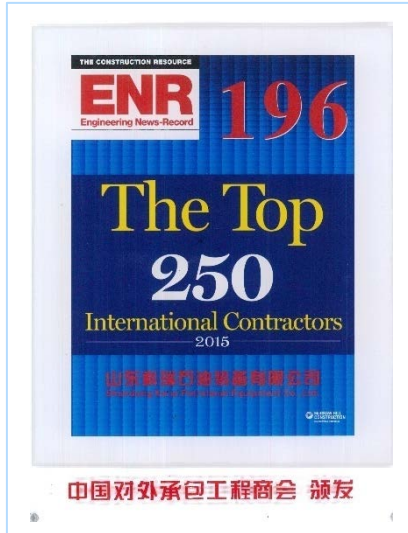


## Crude Oil Processing & Utility Plants

- Refinery
- Petrochemical Plant
- Fertilizer Plant
- Power Plant
- Water Treatment Plant



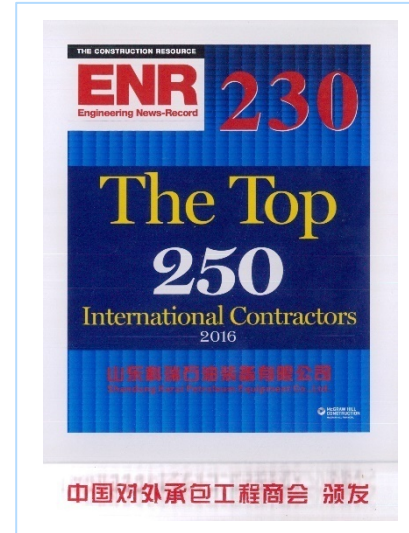
# AWARDS



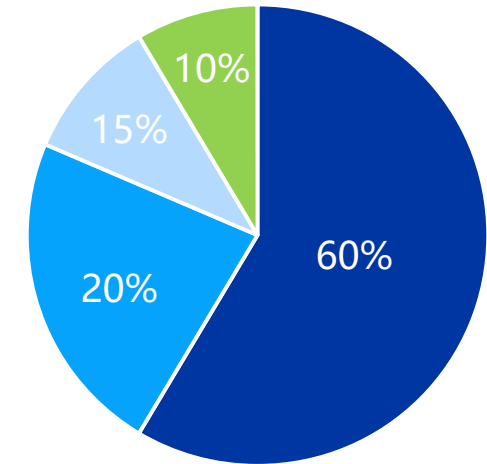
2015"Top 250  
International Contractor"  
Rank 196



2015 "  
Top 225 International  
Design Firms " Rank 100



2016"Top 250  
International Contractor"  
Rank 230



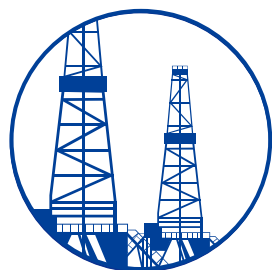
■ Project Managers ■ Technical Engineers  
■ Senior Managers ■ Others

# WORLD CLASS FACTORY

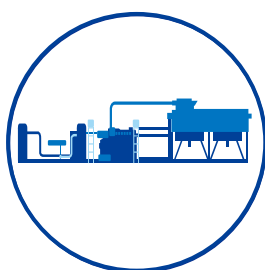


2.4MMm<sup>2</sup>

High-end petroleum  
equipment  
industrial park



Drilling equipment  
production base



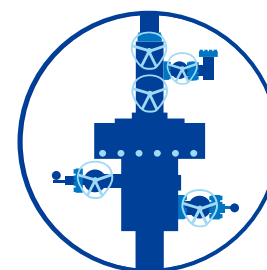
Natural gas  
compressor  
production base



Oil & Gas Stimulation  
equipment  
production base



Oil recovery  
machinery  
production base



Wellhead and  
well control  
production base



Oil & Gas process  
production base



Houston coiled tubing  
equipment production  
base



# MODULAR MANUFACTURE

## Modular Equipment

Based on engineering ability and fabricating facilities, Kerui and partnership manufacturers fabricate extensive range of process modules for oilfield/gas-field production facilities, gas processing plants and petrochemical plants. Most equipment are skid mounted and modularized.



LNG pretreatment modules



Natural gas gathering module



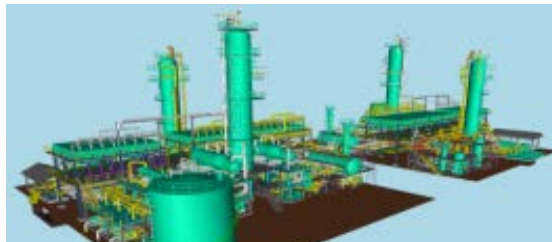
Three-phase separator module



Sulfur recovery unit



Glycol regeneration module



Amine sweetening unit



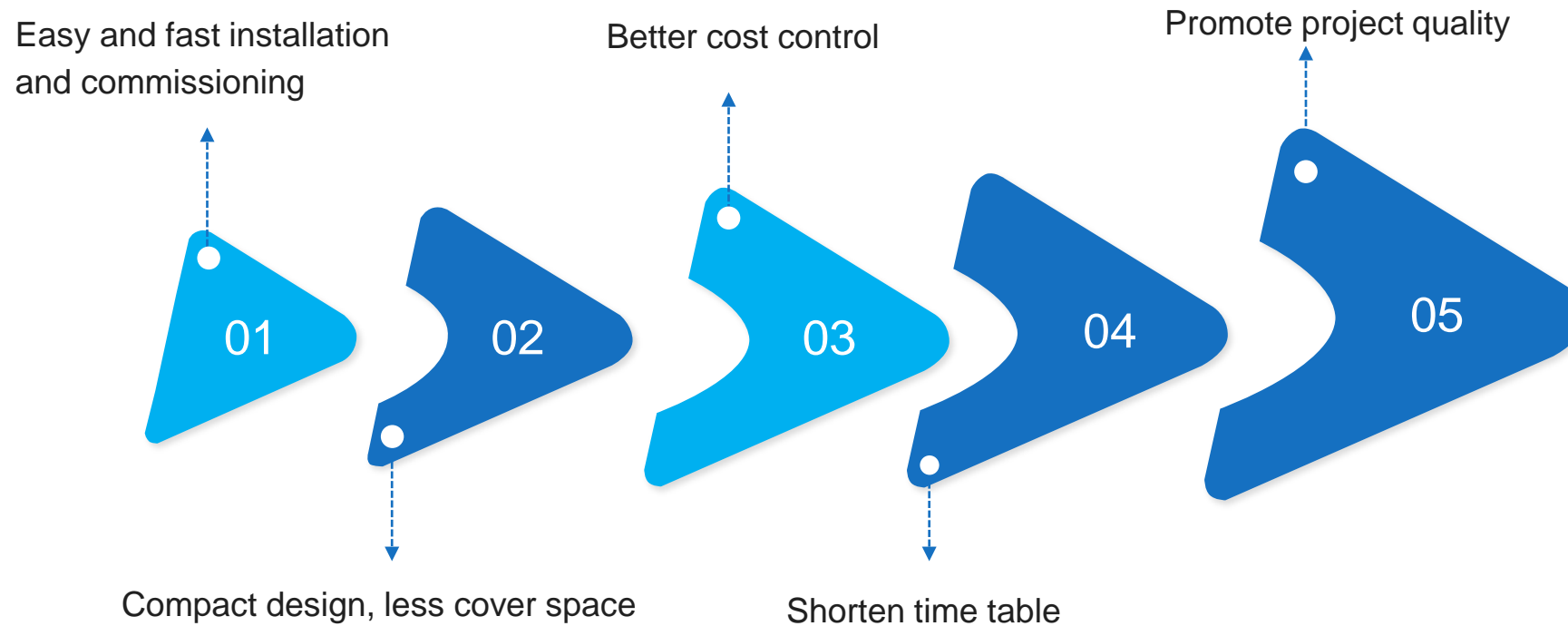
TEG dehydration unit



Molecular sieve dehydration unit

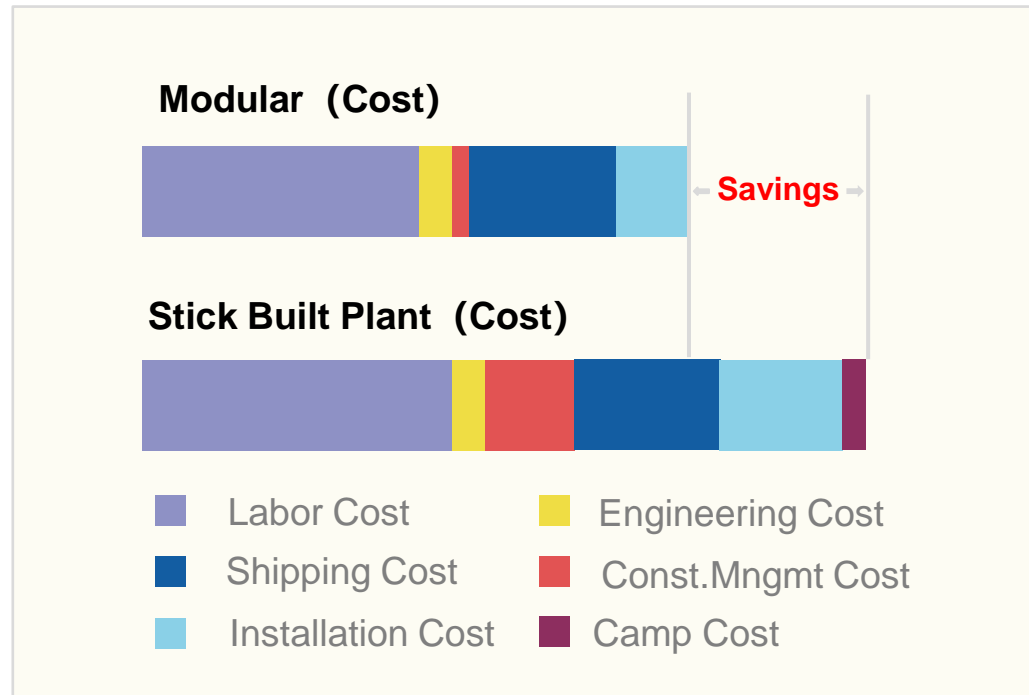
# MODULAR MANUFACTURE

## Advantage of Modularization

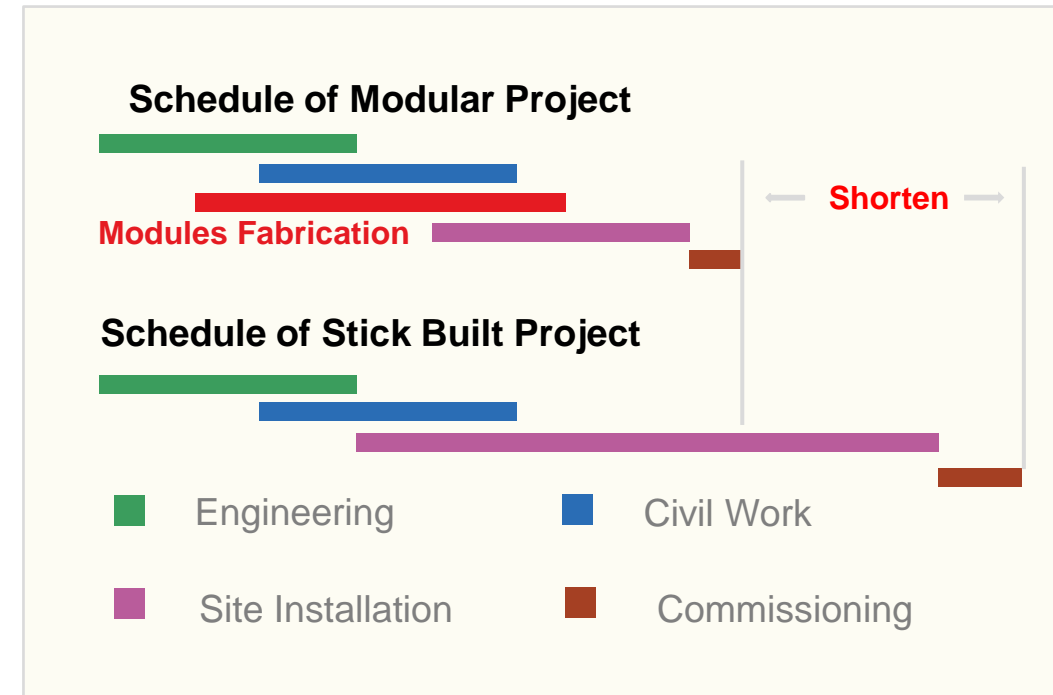


# ACHIEVEMENTS

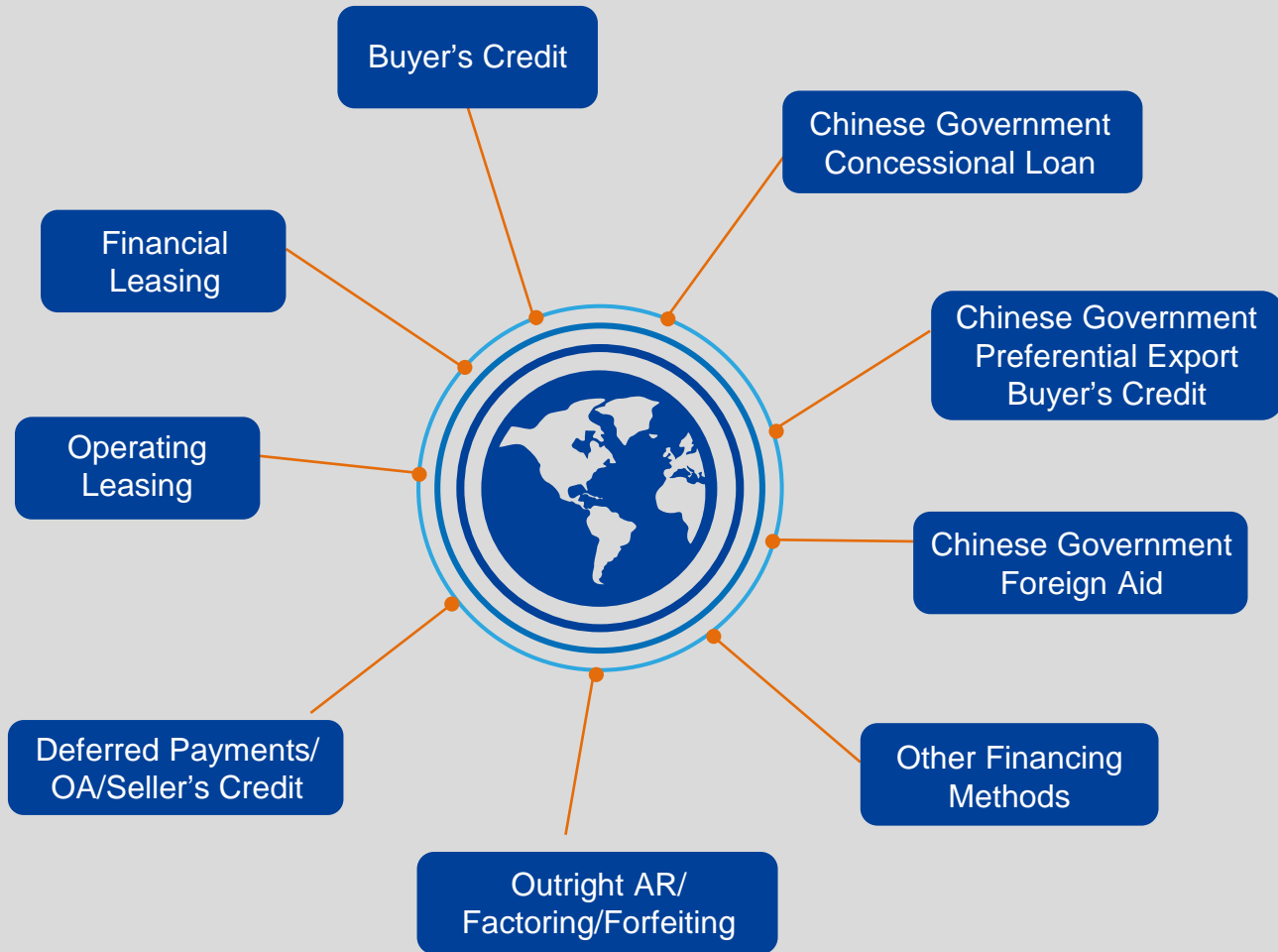
Cost reduction **10%~30%**



Shorten the construction period **20%~40%**



# INTEGRATED INVESTMENT AND FINANCIAL SERVICE PLATFORM

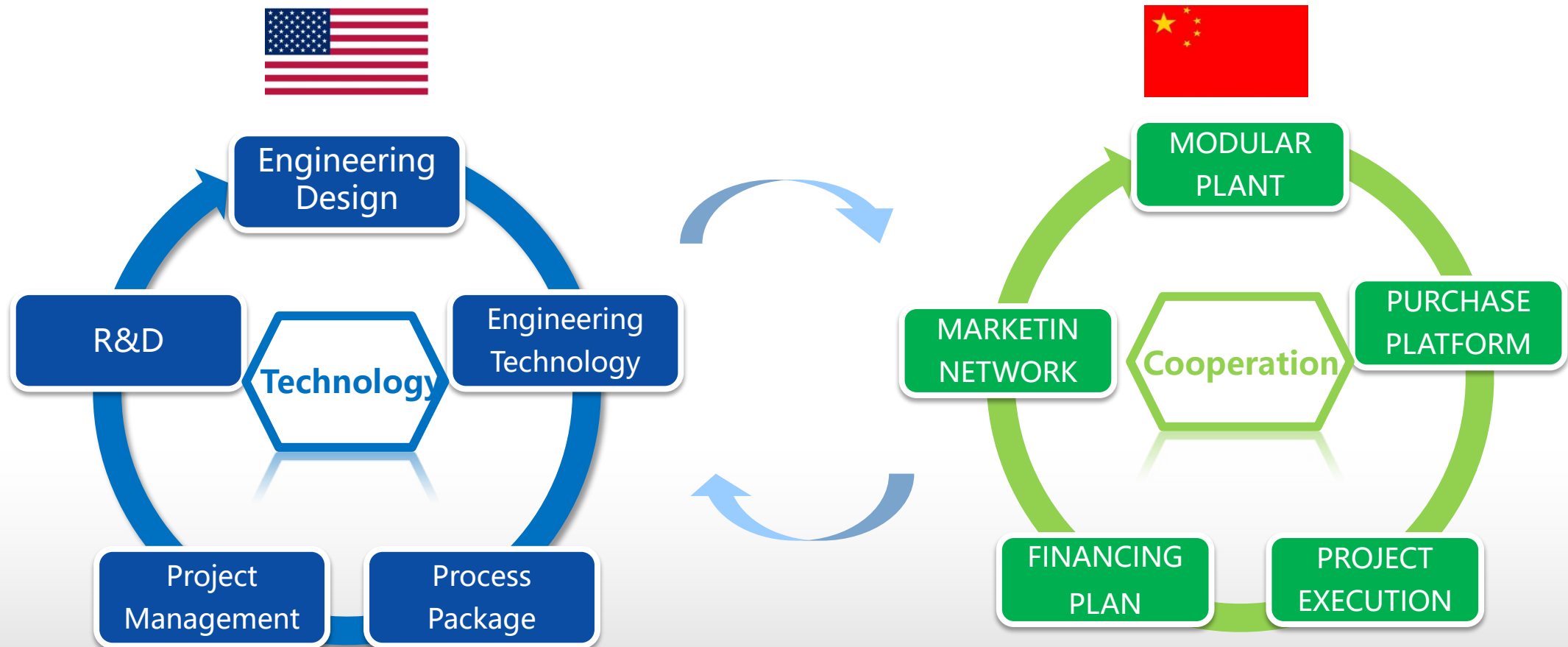




# **COOPERATION IN THE OIL AND GAS FIELD**

Oil & Gas Value Chain Solution Provider

# WHAT ASPECTS CAN WE COOPERATE IN THE OIL AND GAS INDUSTRIAL VALUE CHAIN?



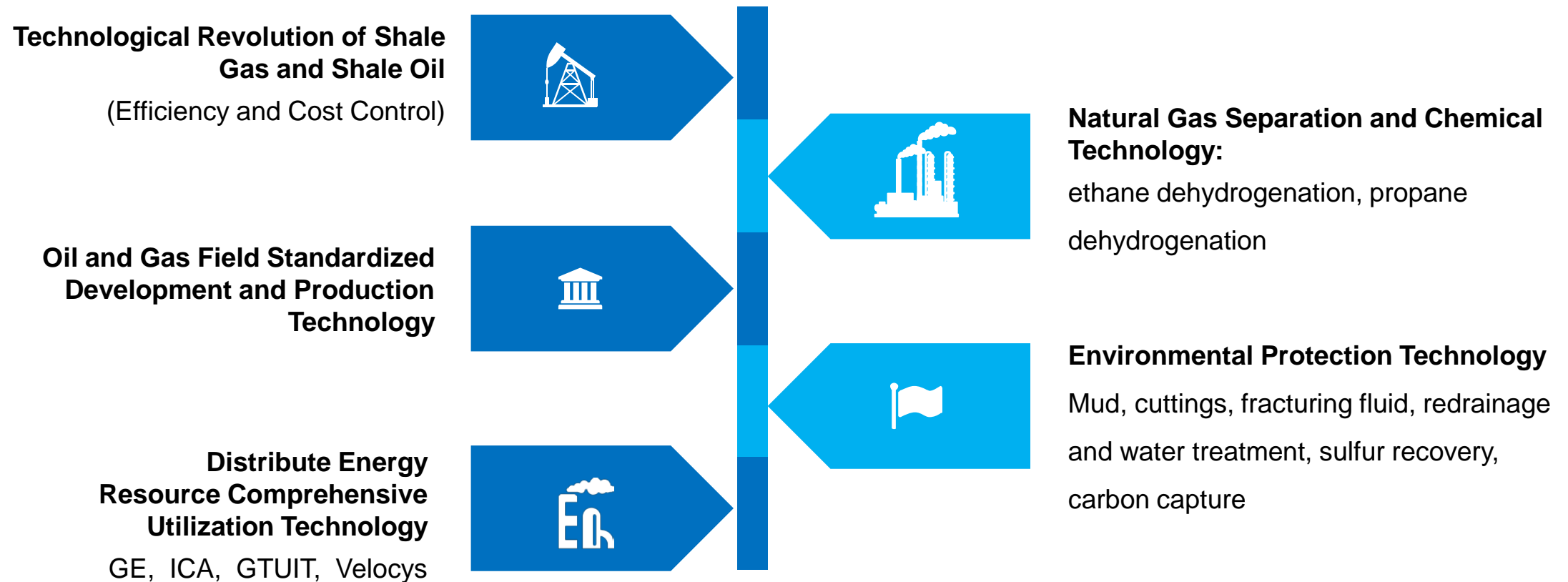
# WHAT ASPECTS CAN WE COOPERATE IN THE OIL AND GAS INDUSTRIAL VALUE CHAIN?

## —Engineering Cooperation



# WHAT ASPECTS CAN WE COOPERATE IN THE OIL AND GAS INDUSTRIAL VALUE CHAIN?

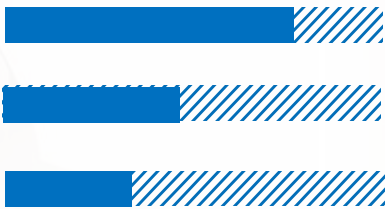
## —Technology Cooperation



# WHAT ASPECTS CAN WE COOPERATE IN THE OIL AND GAS INDUSTRIAL VALUE CHAIN?

## —Trading Cooperation

**2500**  
billion  
Trade intention to be signed during President visiting China



- Over 60% of oil and gas field cooperation
- Carbon emission commitment and coal-to-gas policy
- Ethane and propane import. Shandong Nanshan Group imports ethane of 26 billion USD.

**2.46**

USD/MMBtu

US LNG Export Average Price

**7.21**

USD/MMBtu

Chinese LNG Import Average Price

### Natural Gas Price Advantage

## —Financing Investment

**837**

### Investment in Shale Gas Development Field

— China Energy Investment Co., Ltd. invests 83.7 billion USD in the development of US shale gas.

**430**

### Investment in Block Purchase and Joint Development Field

— Sinopec invests 43 billion USD on LNG of Alaska

**18.5**

### Investment in Natural Gas Chemical Field

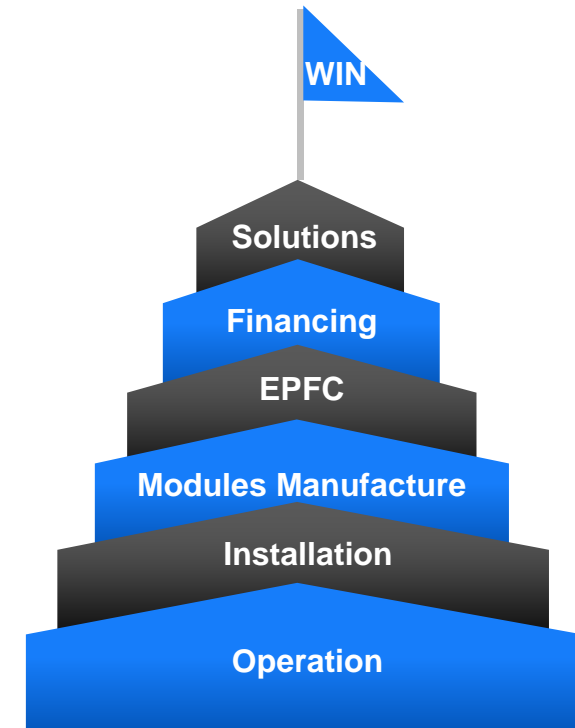
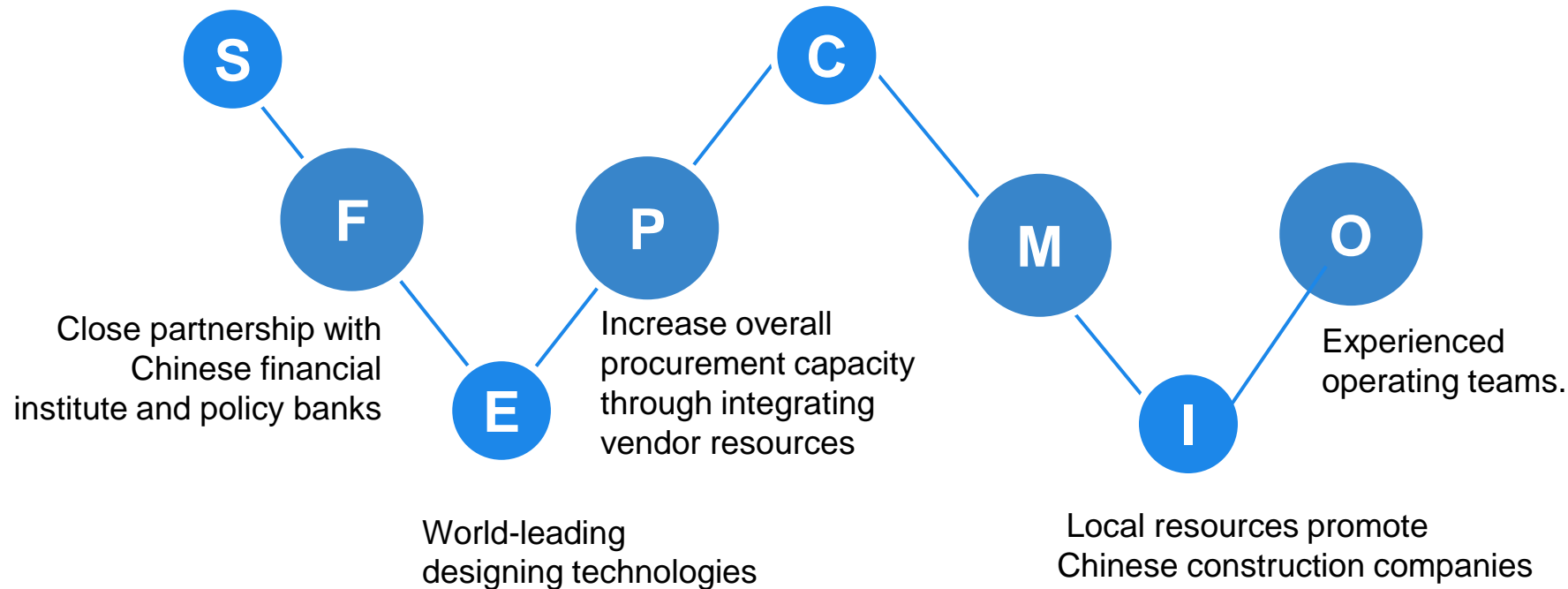
— Yuhuang Group invests 1.85 billion USD on the methyl project newly built in US.

# WHAT COOPERATION MODEL TO CHOOSE?

## Win-win Cooperation

The pain-spot according to our excellent relationship with the customers.

Proposing the tailor-made product solutions in optimized economy value





# **COOPERATION IN THE ENVIRONMENT PROTECTION FIELD**

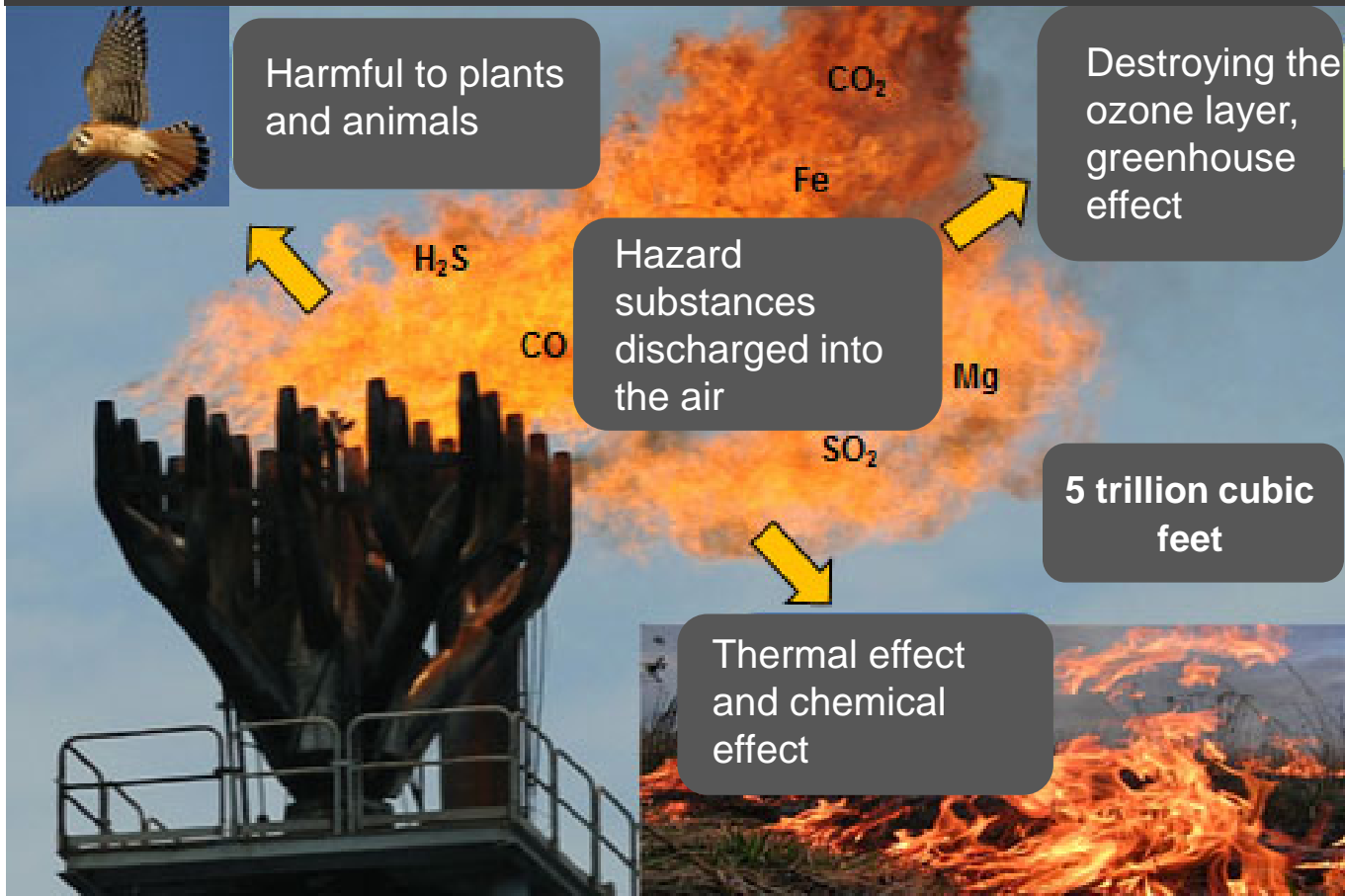
Oil & Gas Value Chain Solution Provider



**The strategic consensus that the whole world copes with climate change is bringing a new opportunity for flare gas recovery and utilization projects.**

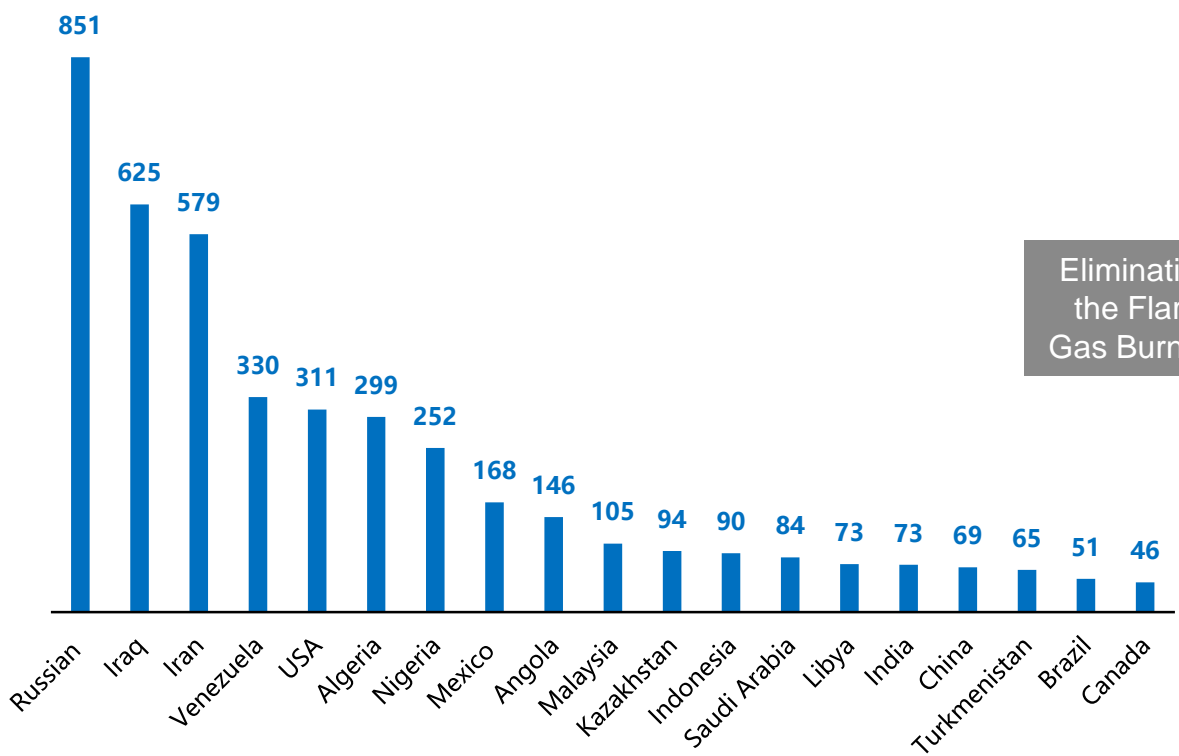
# FLARE ELIMINATION

## Environment Impact

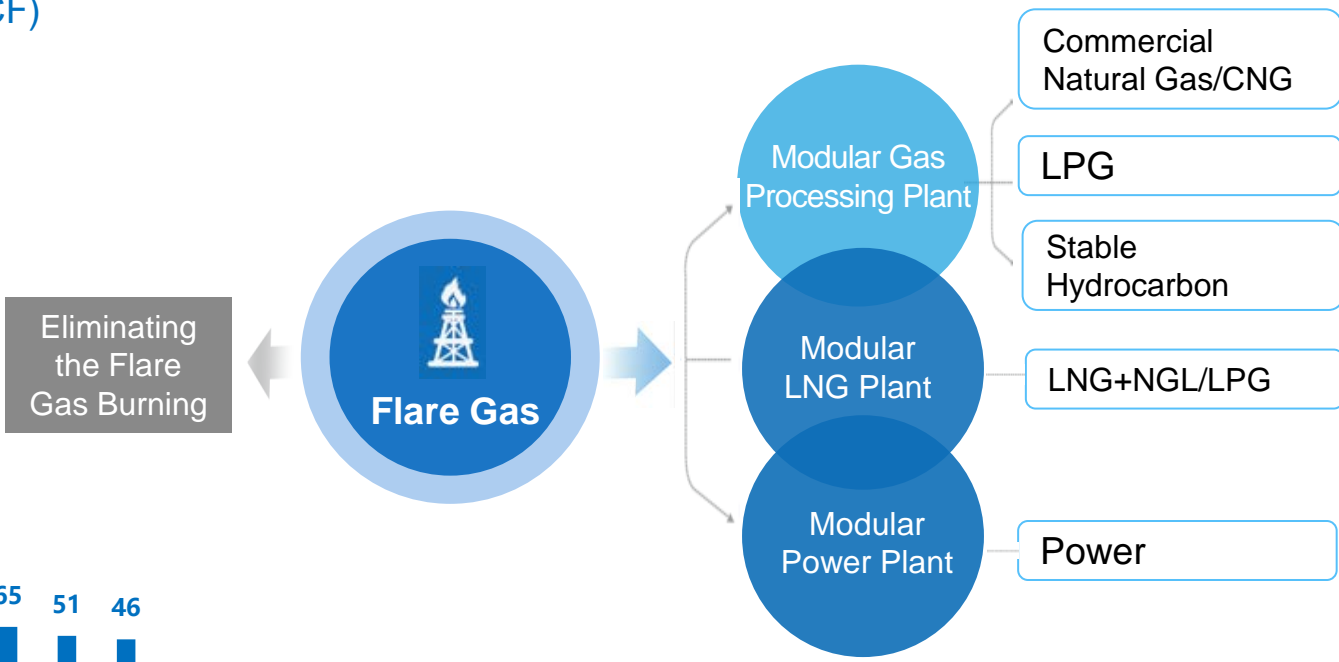


# HOW CAN WE UTILIZE THE FLARE GAS?

Top 20 countries on the associated gas emission country(BCF)



The data source: NOAA



# WORKING TOGETHER FOR WIN-WIN FUTURE

————— KERUI ENGINEERING GROUP —————

