

**ANTON 安東**

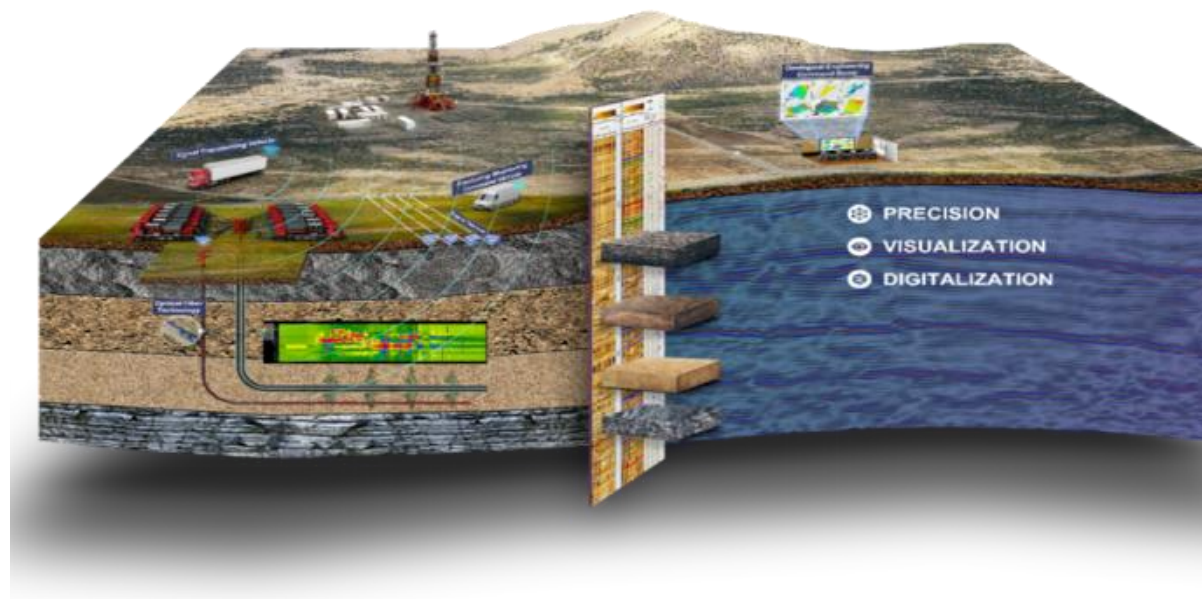
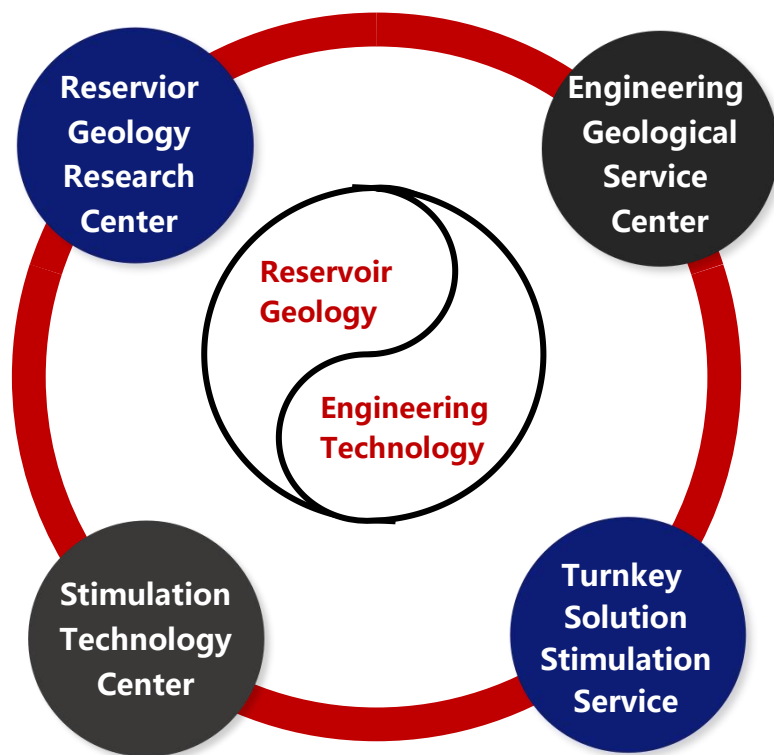


**Oil & Gas Field  
Development Research Institute**

**东方智慧 全球分享**  
Oriental wisdom , Global sharing

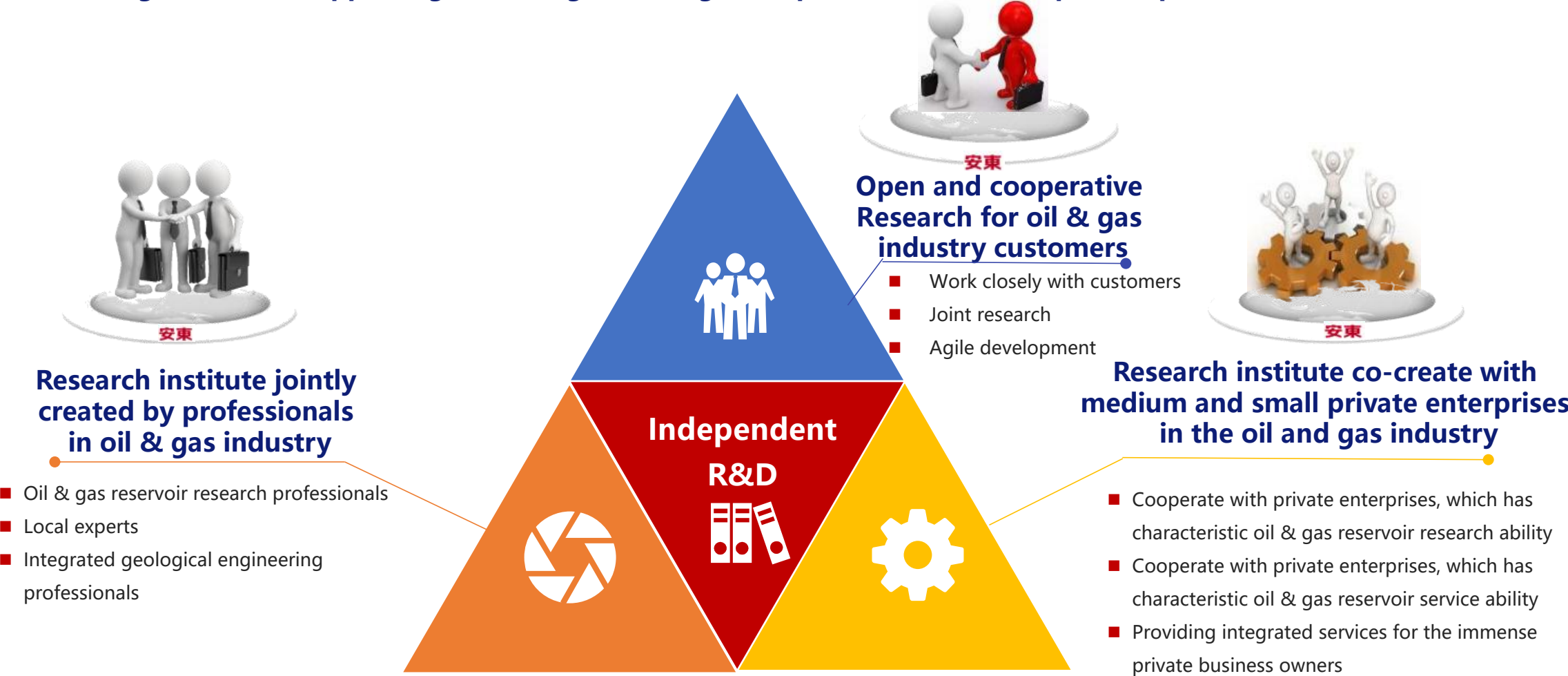
# 1. Integrated Geological & Engineering Research Institute

**Reservoir Geology & Engineering Technology** are the core values for Oil & gas field development research institute. It **combines Geology and Engineering**, featured in **stimulation**, utilizes **digital** visualization, to provide oil field customers with scheme customization services and improve engineering efficiency. It helps customers hit target reservoir accurately, and maximize their reservoir asset value.



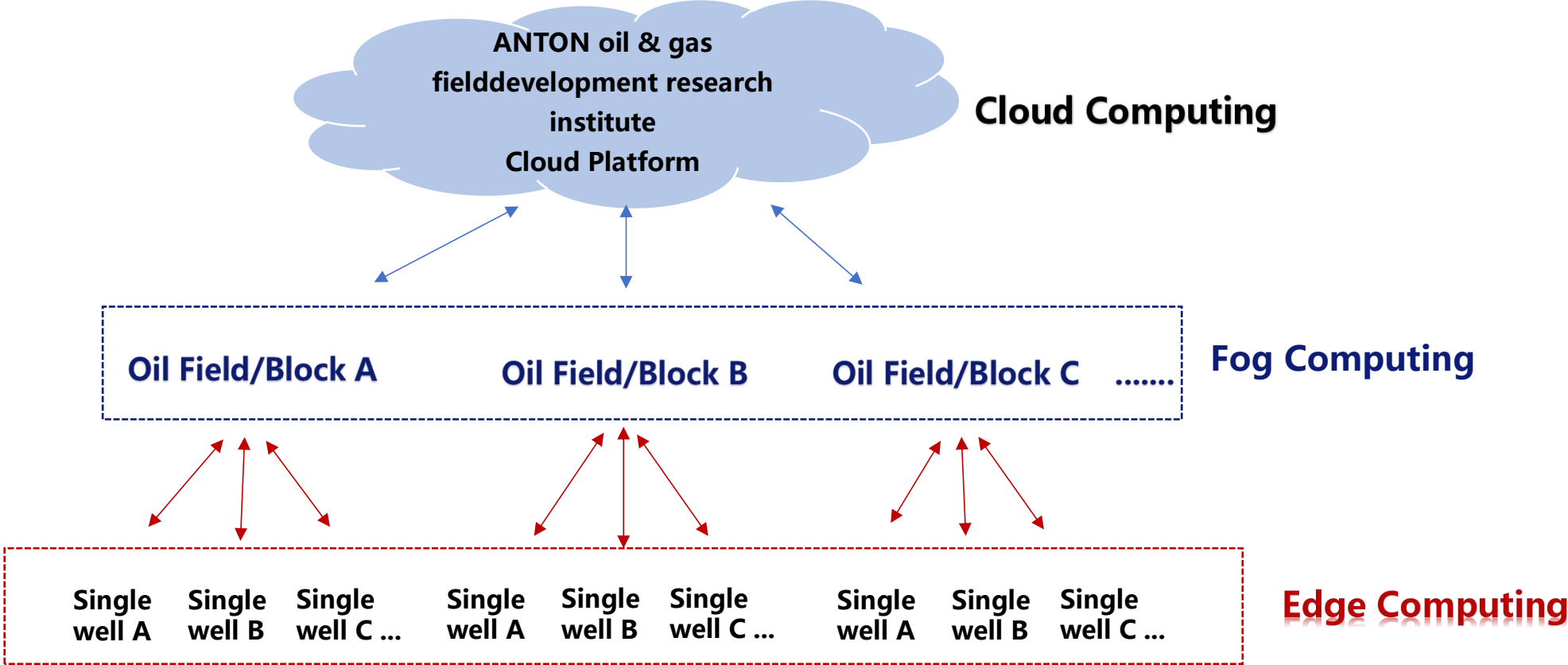
## 2. Co-Creative Research Institute

Oil & gas field development research institute focuses on building an open and elastic platform organization, and establishing a series of supporting technologies through independent R&D and open cooperation.



### 3. Shared Research Institute

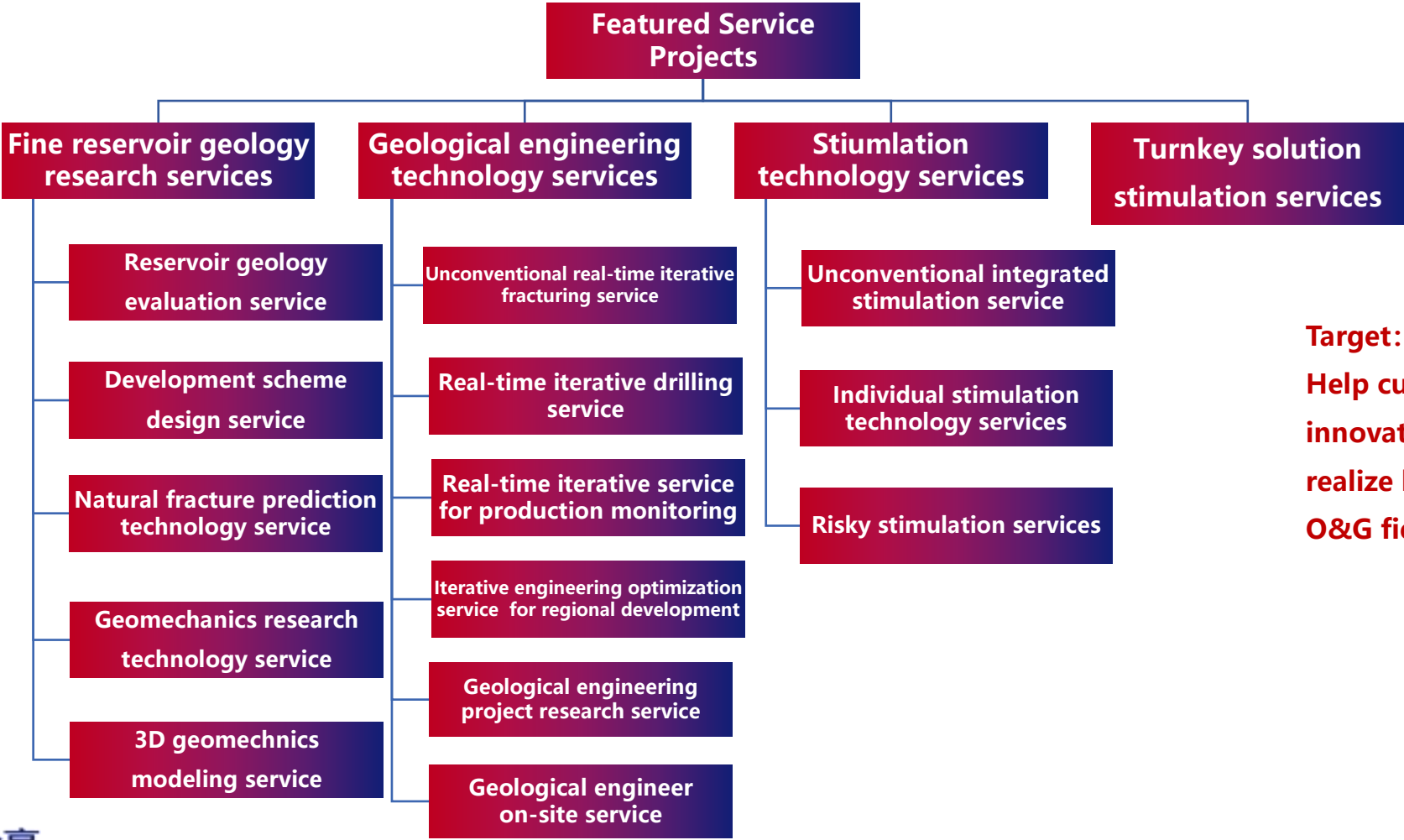
Oil & gas field development research institute spares no efforts to build a shared institute with operation mechanism network and platform, which extends on-site, co-creates resource intensively, shares layout, and is client-oriented.



Real time analysis through edge computing, optimal iteration through fog computing and cloud computing!

# 4. Service-Oriented Research Institute

Oil & gas field development research institute provides various oil-gas reservoir featured services, combines research and technical services to ensure benefits.

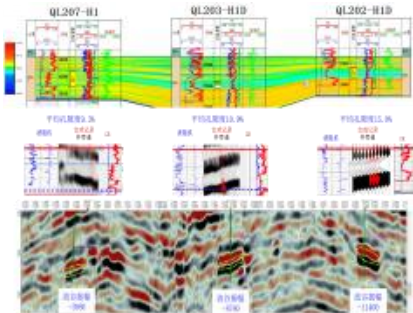


**Target:**  
Help customers implement innovative projects and realize breakthroughs in O&G field development!

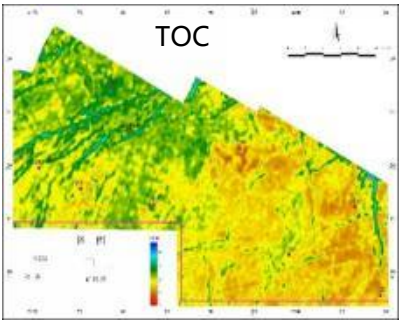
## 5. Fine Reservoir Research Services

Oil & gas field development research institute is oriented to the **overall situation**, focusing on the **fine research** of single well placement, featuring the **combination of geological engineering**, providing **comprehensive geological research evaluation** and **development scheme preparation service** for customers, simultaneously providing geological risk services for ANTON's turnkey solution.

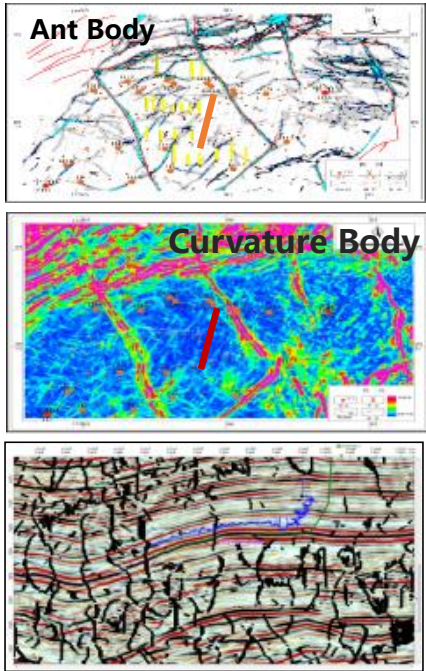
### Fine Interpretation of Structures



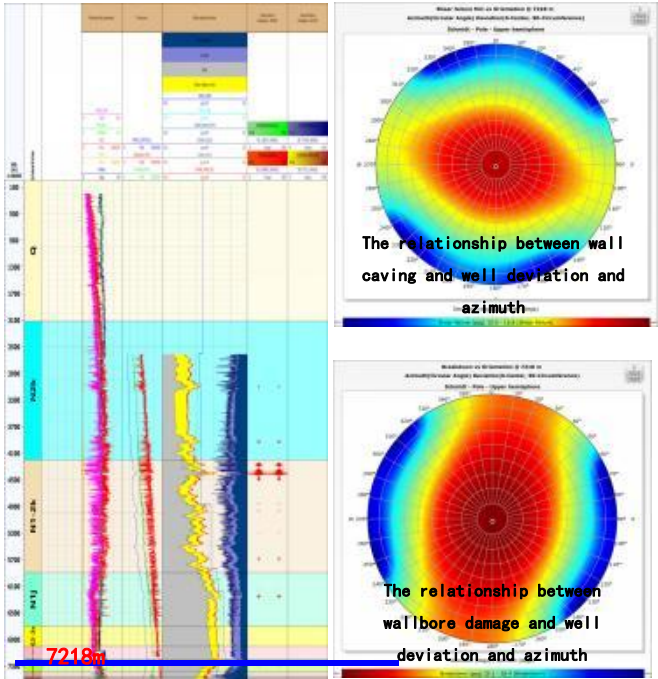
### Sweet Spot Evaluation



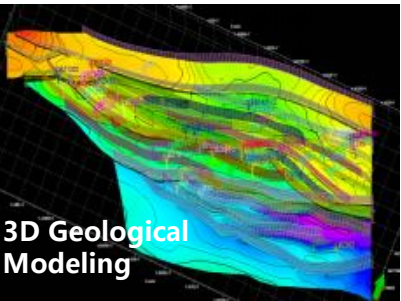
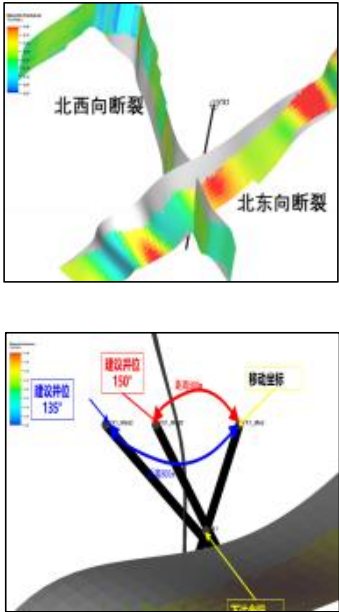
### Natural Fracture Prediction



### Geomechanical Analysis

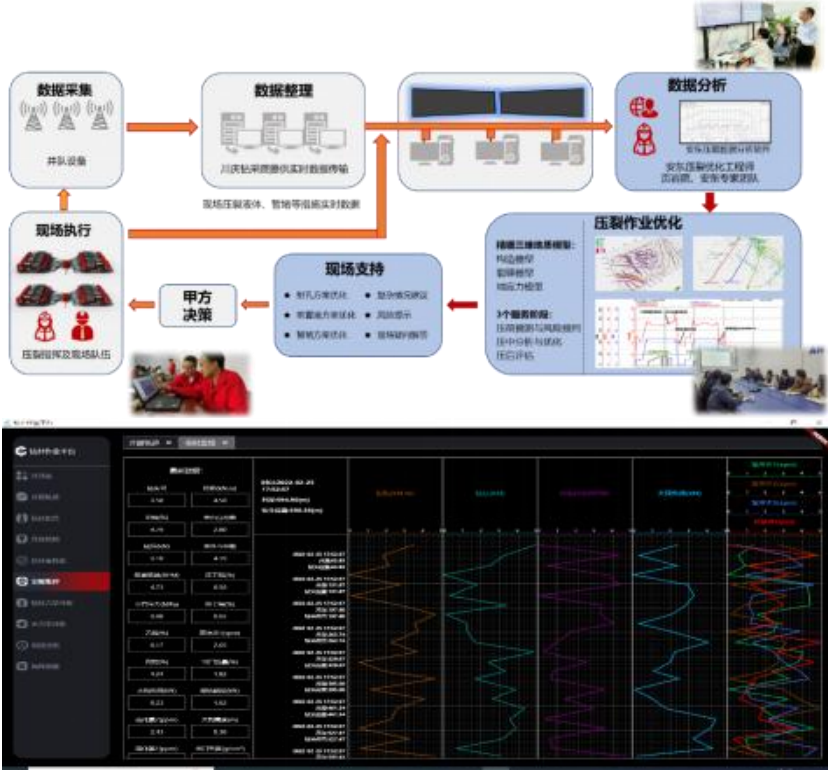
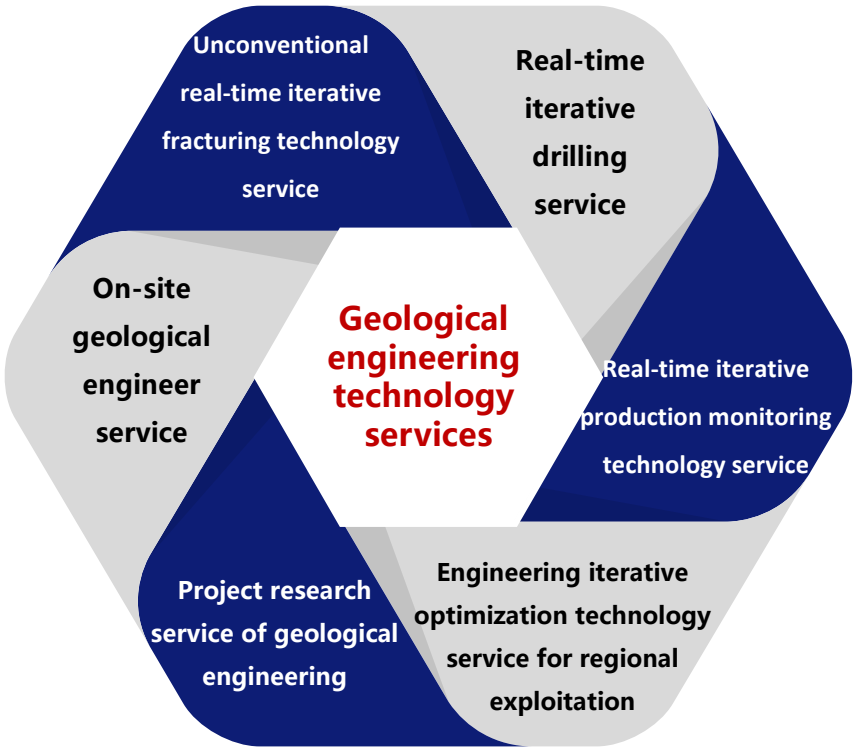


### Geological Risk Evaluation



## 6. Geological Engineering Technology Services

Relying on the **cloud** management mode, to solve the shortcomings of laying emphasis on research but lack of service. Combining engineering with geology, based on the existing achievements of oil & gas fields and basic reservoir geological research, providing real-time and dynamic optimization recommendation. **Sharing application, cooperative promotion with clients, and providing customized geological engineering technology services.**



Converting traditional geological static mode to dynamic real-time iterative mode along with construction response, opening up the "last mile" of extension from geology to engineering, and closely combining on-site engineering with geological and technical services.

## 7. Stimulation Technology Services

Oil & gas field development research institute concentrates on the research and application of key stimulation technology for unconventional oil&gas reservoir, provides integrated and risk stimulation services including **design of integrated geological engineering scheme, featured products and technologies.**

- Reservoir evaluation technology service
- Scheme design consulting service
- Full-scale fracture control fracturing technology
- Multi-scale fault block reservoir fracturing technology
- Dense carbonate rock fracturing technology
- Special fracturing fluid technology service
- Special temporary blocking materials technology service
- Multifunctional proppant technology service
- Multifunctional fiber technology service



- + Fracturing scheme design service
- + Real-time iterative fracturing operation
- Fine control technology service
- + Well entry material service
- + Fracturing equipment operation service
- + Oil&gas testing and production operation service

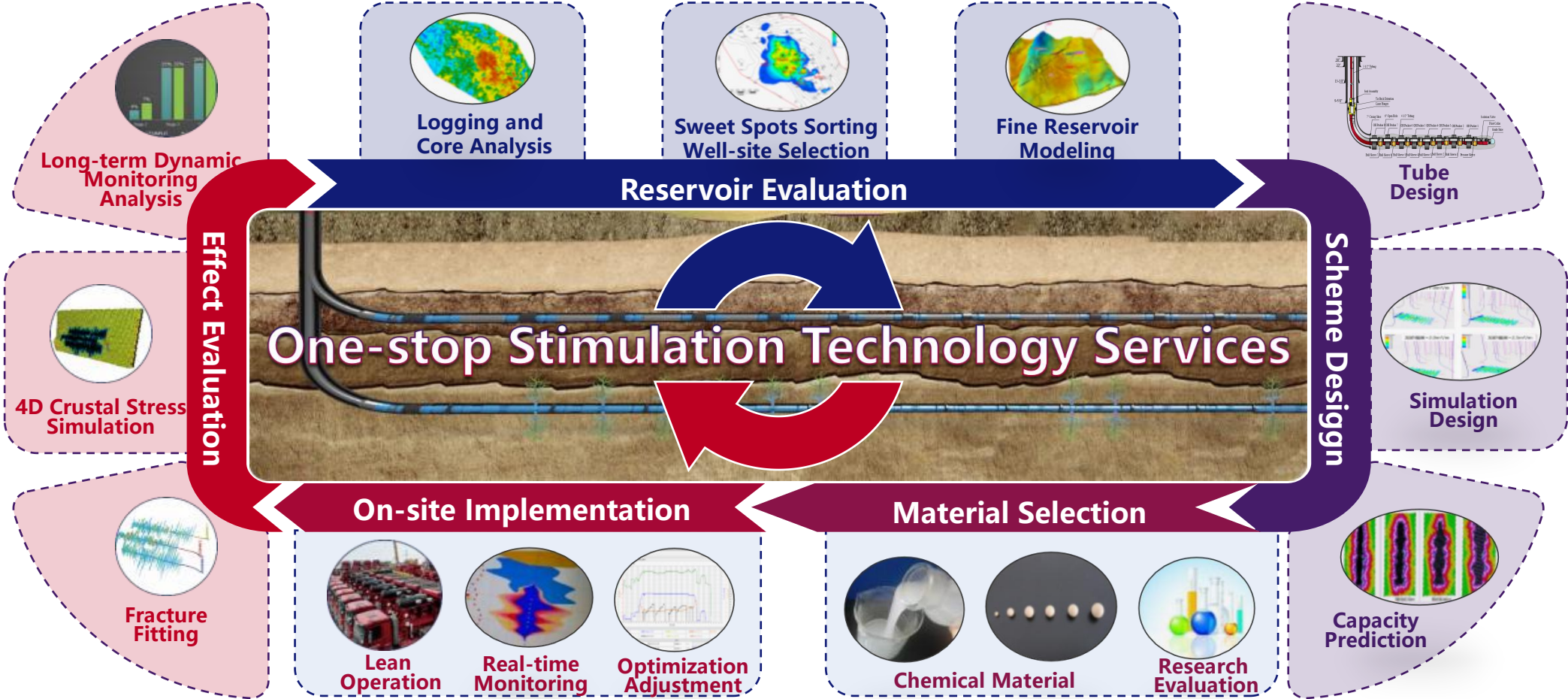
- Production risk technology general contracting service
- Production risk engineering general contracting service

**Stimulation technology services of unconventional Oil & Gas reservoir.**



# 7. Stimulation Technology Services

Based on reservoir geological research, oil & gas field development research institute provides **one-stop, all-in-one** stimulation technology services from construction evaluation and scheme design to field conduct, post-fracturing evaluation and production monitoring.



# 8. Turnkey Solution Stimulation

Dedicated to co-innovation with customers, closely combined through geological engineering, precision engineering technology, fine operation management, provide customers with integrated overall solutions. Relying on mature project management experience, advanced and applicable technology combination, from price competition, it goes up to value creation. Through innovation, Create a breakthrough for customers to increase production and improve the efficiency of the contribution.

According to the diversity of customer needs, to provided a **full range** of products and technical services.

It has **geology-drilling-completion-production-oil field management** whole industry chain, have the geological engineering integration research and implementation ability.

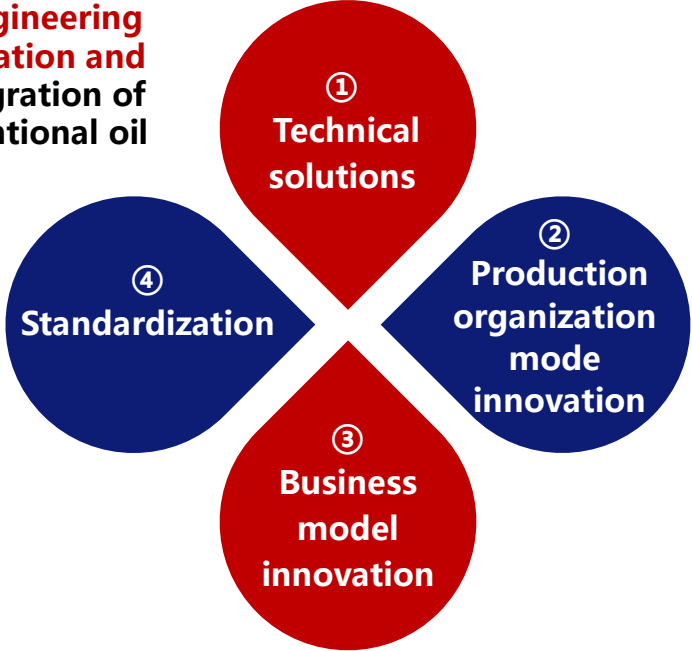
With complete disciplines, professional supporting geological engineering integrated technology and management team, provide geological engineering integrated customized services.



The first to introduce the geological engineering integration technology domestic application and practice. It have rich experience of integration of geological and engineering in unconventional oil and gas reservoirs.

Strong resource integration ability, ensure the smooth implementation of the project and achieve ideal results.

Strong background financial support, Can provide "risk" customized services.



## Solutions

**A paragon of efficient and harmonious  
development between human and environment**

**Help others succeed...**