



**RAN**  
GROUP

# EPC-Company

EPC-Engineering, Procurement, Construction Company

**OIL and GAS INDUSTRY**

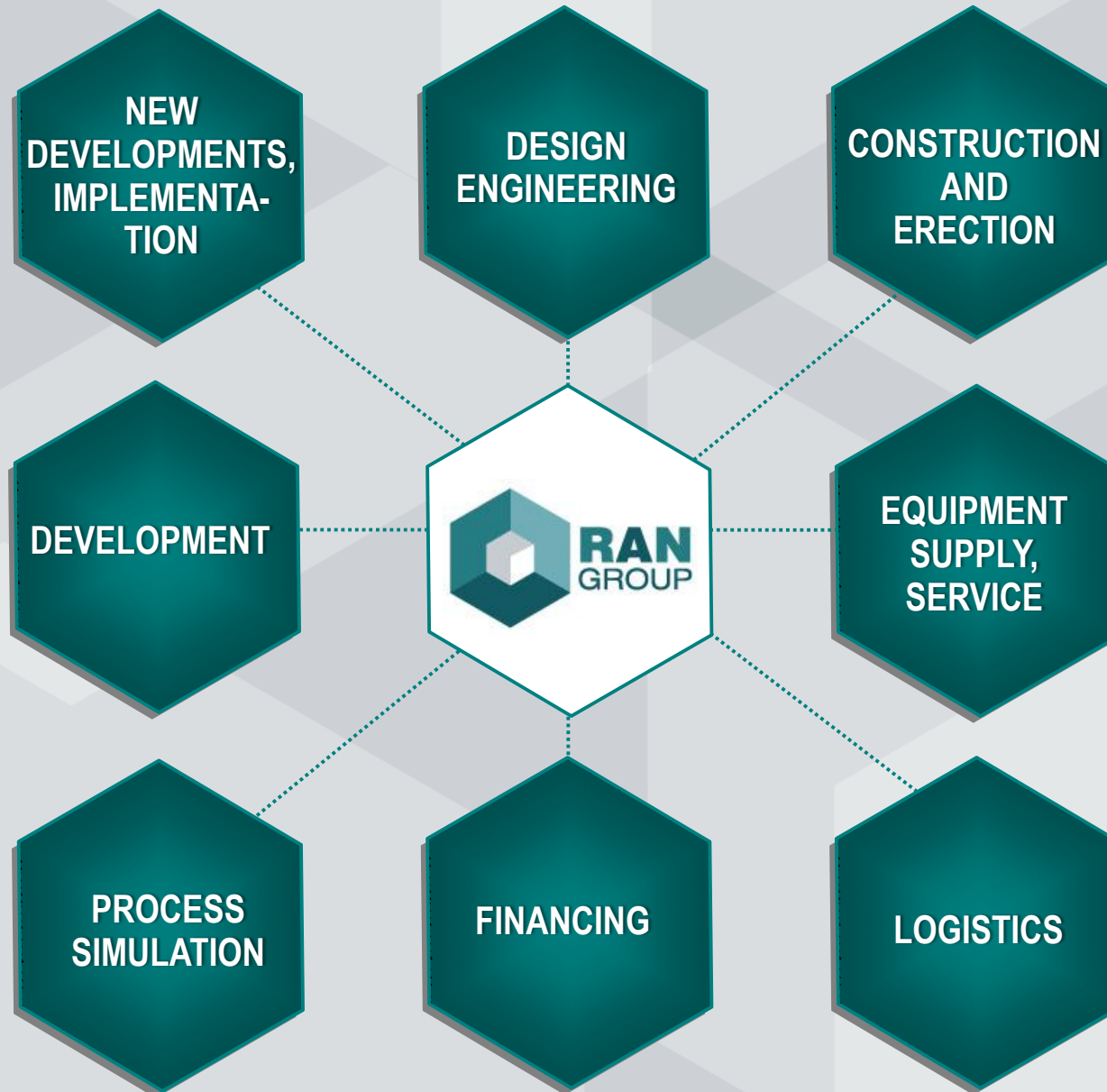
PETROLEUM REFINING

GAS REFINING

PETROLEUM CHEMISTRY

GAS CHEMISTRY

2012



- Design engineering of petroleum refining and petroleum chemistry facilities;
- Development of detailed engineering drawings for the equipment;
- Application of mathematical simulation method at machinery construction and processes modeling;
- Manufacture and supervised installation of oil and gas process equipment;
- Organization of overdimensioned equipment delivery through application of the combined transportation schemes;
- Installation of the equipment including overdimensioned one, carrying out of construction works on site;
- Furnishing with the main constructional materials at equipment manufacture;
- Usage of forefront of modern researches in the sphere of petroleum refining and petroleum chemistry;
- Implementation of new development (know-how) in the sphere of design engineering and manufacture of oil and gas equipment.

**Year of foundation**

**1996**

**Number of employees**

**220 persons**



**15**  
**years**  
**OF SUCCESSFUL**  
**WORK**

consisting of following structural units:

**Design Department;**

**Engineering Department;**

**Mathematical simulation Department;**

**Project monitoring Department:**

Oil and gas equipment division;

**Manufacturing division;**

**Complete set division (include materials);**

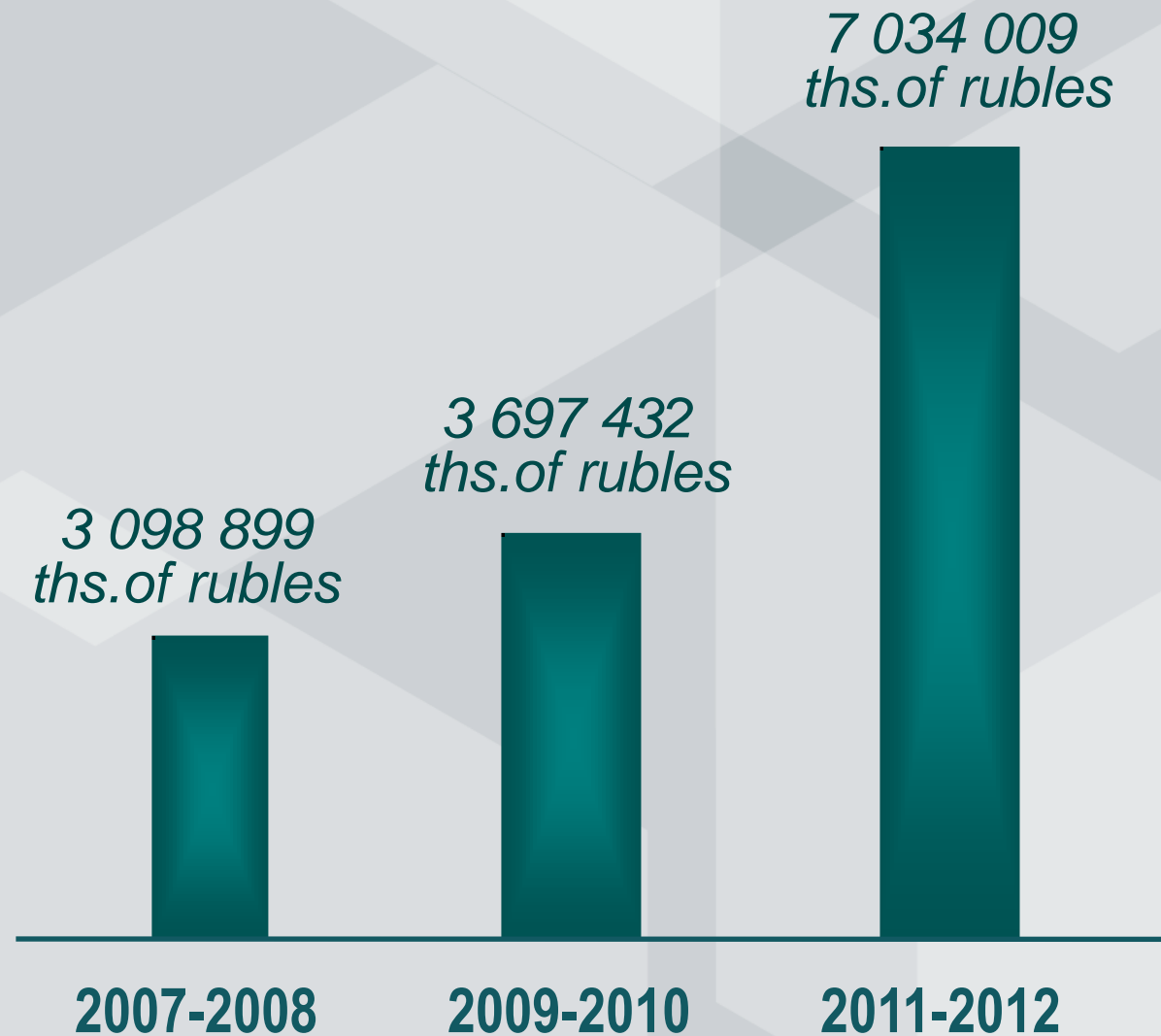
**Logistics Department;**

**Construction and Erection Department;**

**Foreign Economic Activity Department;**

**Financial Department.**

## CONTRACTS VALUES





РОСНЕФТЬ

**NK ROSNEFT OAO**



**Gazprom neft OAO**



**Surgutneftegas OAO**



**TNK-BP OAO**



**Northgas ZAO**



**NGK Slavneft OAO**



**Petroleum Company «LUKOIL»  
OAO**



**Gazprom Neftekhim Salavat OAO**





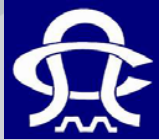
**Volgogradneftemash OAO**



**OMZ OAO**



**Korostenkhimmash OAO**



**Salavatneftemash OAO**



**UTS-Tujmazykhimmash OAO**



**ZIO-Podolsk OAO**



**Tatneft-Bugulma  
Machine-Building Plant OAO**



**Kurgankhimmash OAO**



**Kotloturboprom OOO**  
(Kharkov Boiler-Mechanical Plant OAO)



**Borkhimmash OAO**



**Chernovtsy machine building  
plant OOO**



**Khimmash RAN plant FGUP**



**VILLA SCAMBIATORI S.r.l.**



**HANS LEFFER**



**HYUNDAI Heavy Industries  
CO., LTD**



**SAMEC S.p.A.**



**VEROLME**



**FAMET GROUP**



**A.SILVA MATOS  
Metalomecanica S.A.**





**Pervouralsky Novotrubny  
Zavod OAO**



**Sinarsky Tube Mill OAO**



**Nikopol Pivdennotrubny  
Works OAO**



**Volzhskiy Tube Mill OAO**



**Severstal OAO**



**Consolidated Machine-  
building Plants – Spetsstal  
OAO**



**Magnitogorsk Metallurgical  
Works OAO**



**Metallurgical Works Azovstal  
OAO**



**Kramatorsk Metallurgical  
Plant OAO**



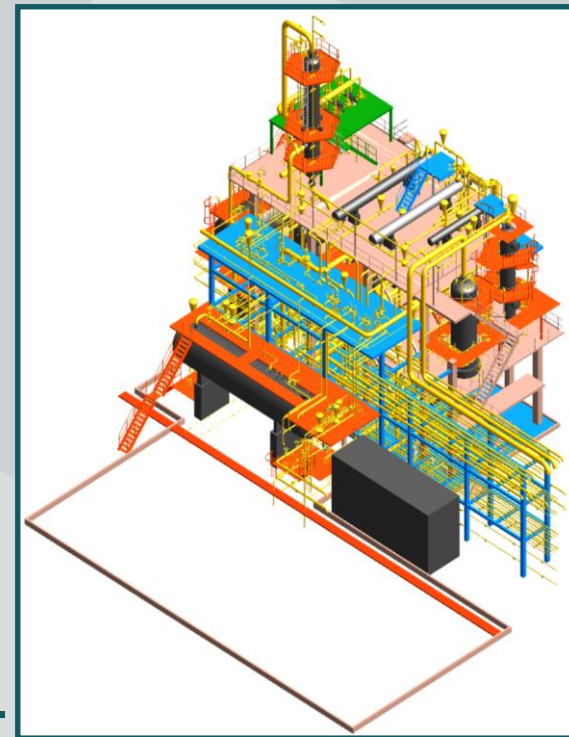
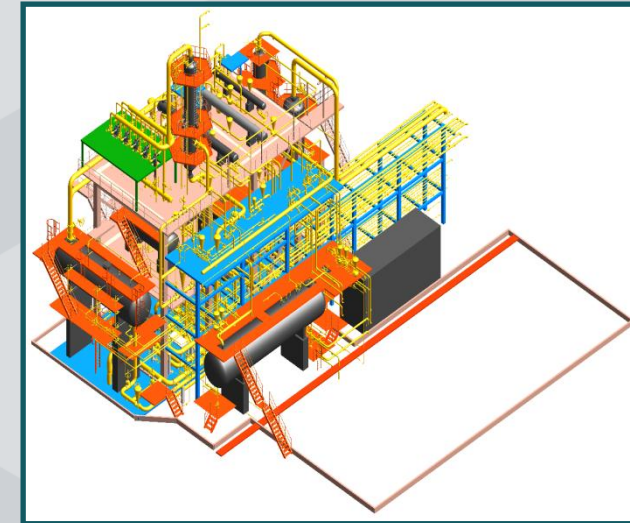
**Belgorodenergomash OAO**



Our own metal products warehouse facilities were established in the territory of Moscow oblast and Sverdlovsk oblast, as well as in the territory of the Republic of Bashkortostan and the Republic of Tatarstan. The aim is to achieve maximum material supply effectiveness and to minimize the delivery period.

## DEPARTMENT COMPOSITION:

- Preliminary Design Department;
- Chief Project Engineers Bureau;
- Manufacturing engineering Department;
- Erection Department;
- Construction Department;
- Electrical Engineering Department;
- Instrumentation Department;
- Automated Process Control Systems Department;
- Design-engineering Department;
- General Planning;
- Water Supply and Sewage;
- Heating, Ventilation;
- Cost Estimate Department;
- Process and Experimental Department.



## PRIMARY OBJECTIVES:

- ▶ Design engineering of petroleum refining and petroleum chemistry facilities. Execution of the baseline and detail projects;
- ▶ Design process optimization and design period reduction;
- ▶ Construction time reduction by means of working in parallel with the other Company's divisions;
- ▶ Introduction of innovative technologies;
- ▶ High performance quality assurance.

## OUR ADVANTAGES:

- ▶ Our own Automated Process Control Systems Department being capable of development of the process software hand in hand with the main design engineering process;
- ▶ Application of the leading techniques and state-of-the-art software products, particularly PDMS-AVEVA-based 3D-simulation;
- ▶ Consideration of equipment manufacture and logistics problems (especially of bulk one);
- ▶ Definition of the construction-and-erection and commissioning works issues at the design stage;
- ▶ Flexibility at the technical decisions making.

## DEVELOPMENT OF THE BASELINE PLANT PROJECTS:

- ▶ Sulfuric acid alkylation in jet reactor;
- ▶ MTBE; ETBE; TAME



## PLANT DETAILED ENGINEERING under licenses:



Haldor Topsoe;



Exxon Mobil Corporation;



Chevron Lummus Global

Chevron Lummus Global (CLG);



A Honeywell Company

UOP;



Axens;



DuPont;



**WorleyParsons**

resources & energy

Worley Parsons;  
etc.

## PARTNERS: DESIGN and SCIENTIFIC ORGANIZATIONS

PIRO ZAO

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PMP ZAO

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CKBN DOAO

---

VNIINP OAO

---

IKT-Service OOO

---

VNIPINeft OAO

---

Neftekhimproject ZAO

---

Lengiproneftekhim OAO

---

Bashgiproneftekhim GUP

---

Omskneftekhimproject OAO

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Samaraneftekhimproject OAO

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Angarskneftekhimproject OAO

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NizhgorodNIInefteproject OAO

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VNIIPThimnefteapparatura OAO

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**VNIINEFTEMASH OAO** is the Russian Federation chief institute on development of modern standards and rules at design and manufacture of pressure vessels and on development and creation of new types of petroleum refining equipment.

**VNIINEFTEMASH OAO is the strategic partner  
of the GK RAN over a period of 14 years.**

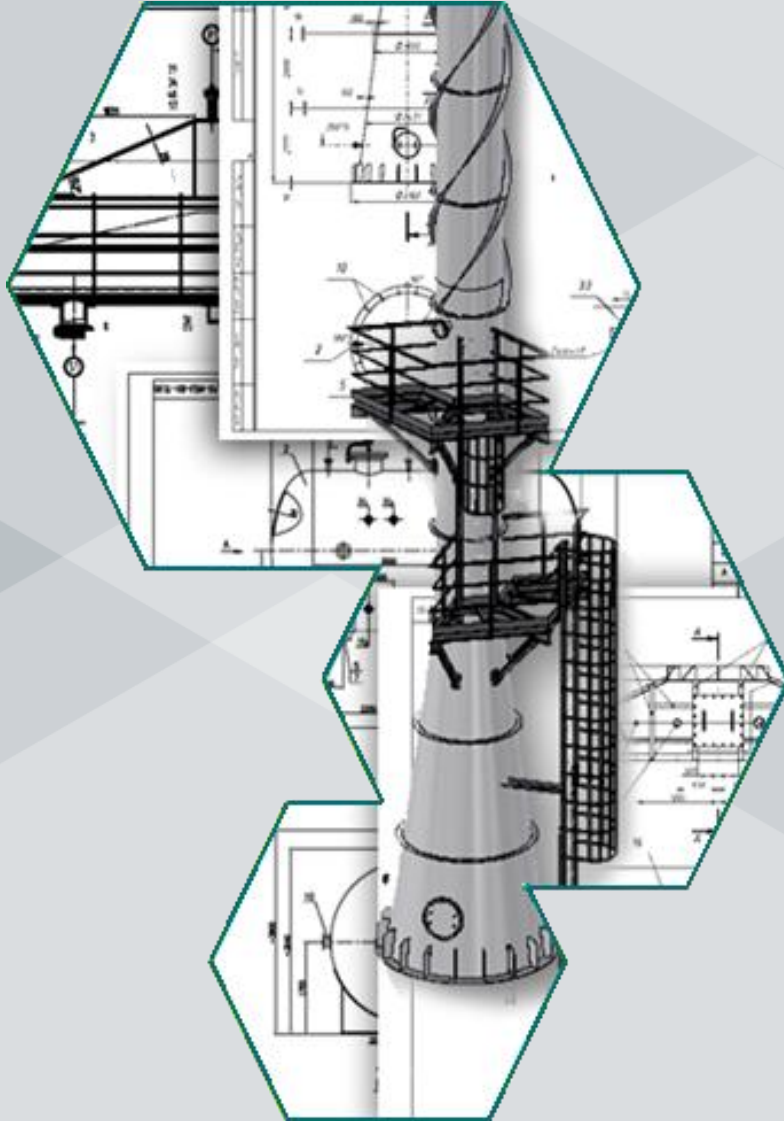
*The development of detailed engineering drawings, consideration of configuration data sheets, order forms, as well as the technical support of the equipment manufacture is carried out by the experts of our Company under the designer's technical supervision of the VNIIneftemash OAO.*

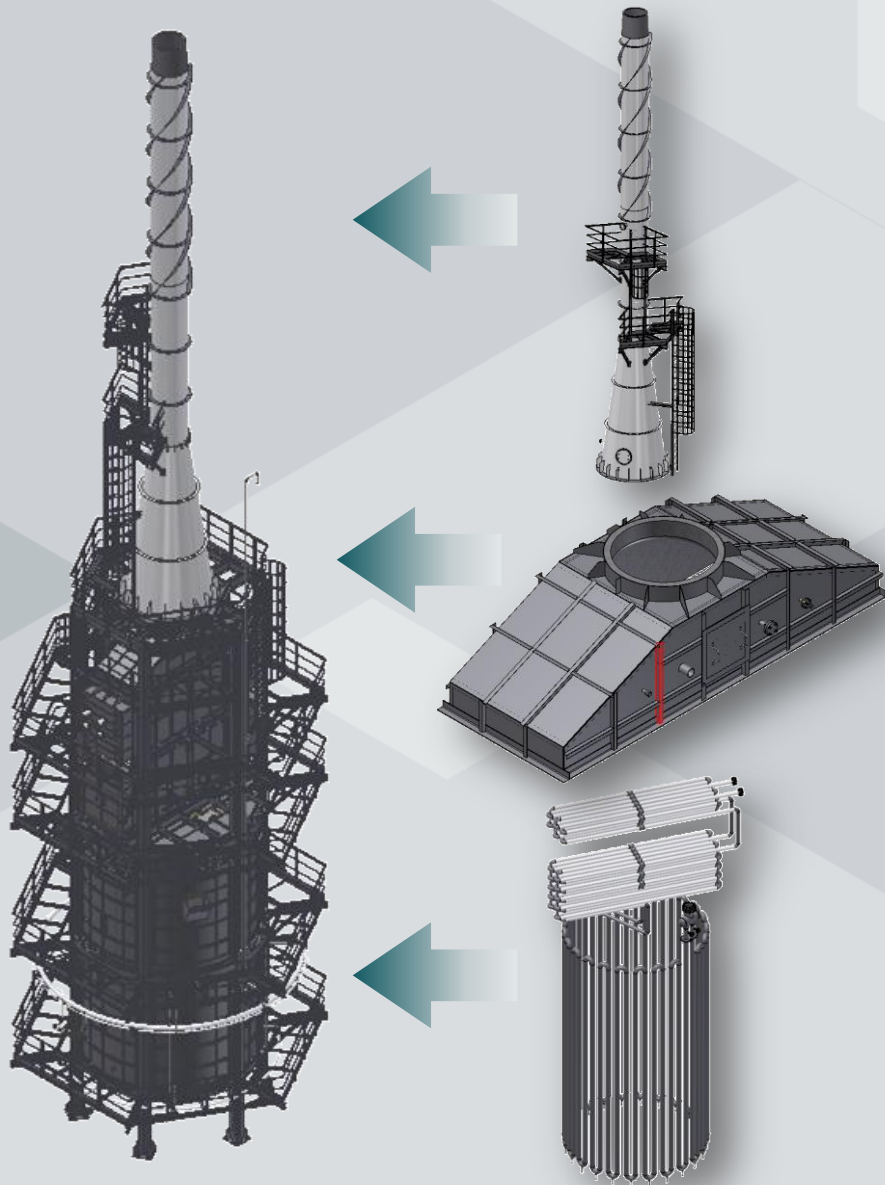
## PRIMARY OBJECTIVES:

- Development of drawings and preliminary sketches.
- Issuance of work design documents
- Manufacture field engineering support.
- Pre-tender project preparation

## ADVANTAGES:

- Shortest possible execution period
- Wealth of experience
- Highly qualified personnel
- Design codes compliance control
- Application of unique software tools (including proprietary developments)

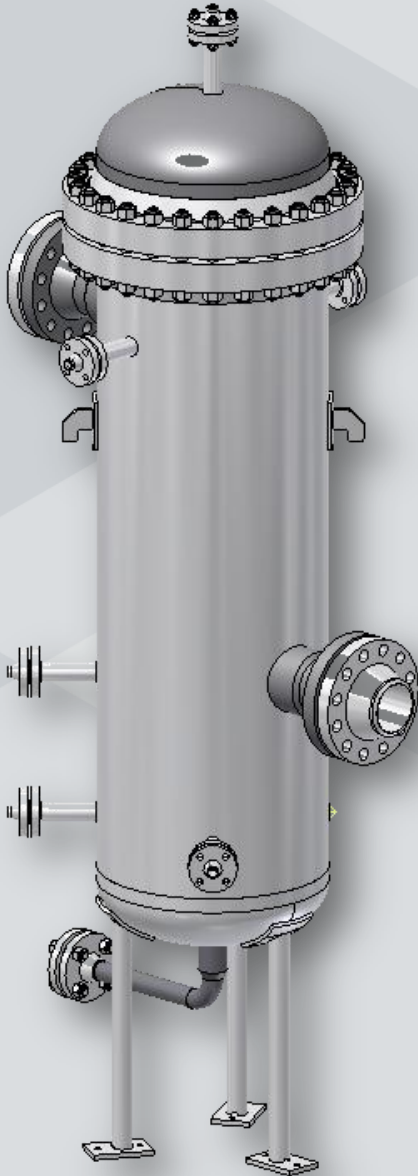




## Design of pipe-still heaters of various constructions

- With overhead flue gas extraction and horizontal / vertical radiant tubes;
- With overhead convection chamber;
- With annular convection chamber;
- Sectional;
- Modular oil-field pipe-stills.

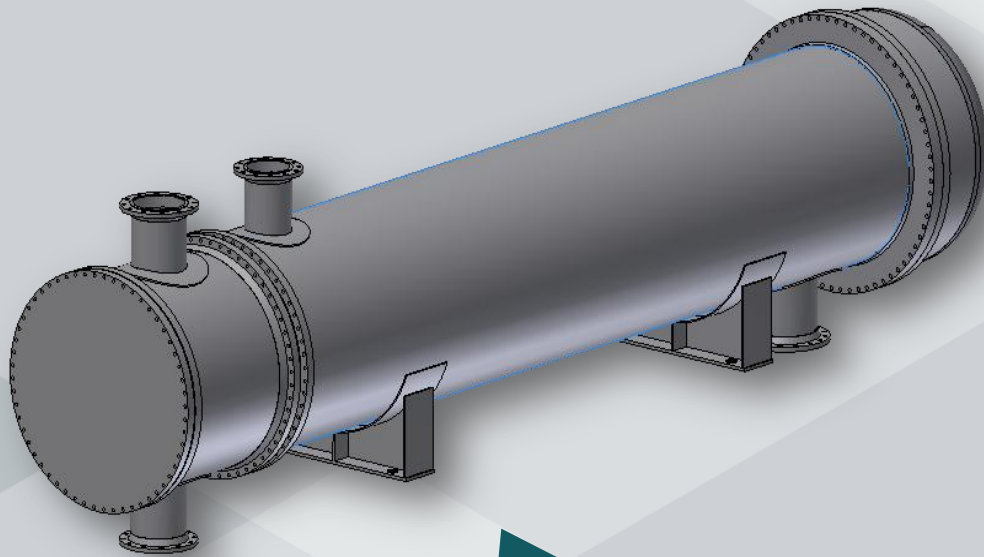




## Design of column equipment, reactor equipment, tanks and vessels

- Drainage tanks;
- Oil-products storage tank;
- Holding tanks;
- Apparatuses with the stirring devices;
- Rubber-lined vessels;
- And others.

## Heat-exchange equipment design



- Floating-head heat exchangers;
- Fixed head heat exchangers;
- Heat exchangers with U-tube bundle;
- Kettle-type evaporators;
- Pipe-in-pipe heat exchangers;
- Thermosyphon evaporators;
- And others.

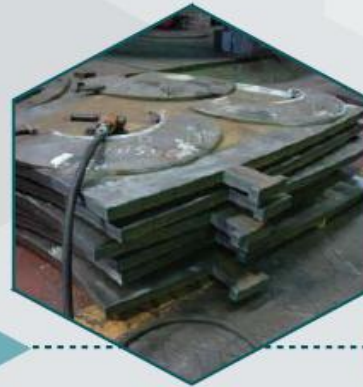
## PRIMARY OBJECTIVES:

### PROJECT ORGANIZATION FROM THE BASIC ENGINEERING TO COMMISSIONING AND START-UP:

- Basic Engineering Design;
- Front End Engineering Design;
- Detail Engineering;
- Constructional design of oil and gas equipment of any complexity;
- Process equipment manufacture and supply;
- Materials procurement;
- Organization of interplant cooperation;
- Designer's and technical supervision of manufacture;
- Logistics;
- Construction and erection;
- Commissioning and Start-up;

that shall allow considerably reduction of the project implementation term and executed works quality assurance on the basis of simultaneous solving of problems of process equipment design, manufacturing and supply, necessary materials procurement, equipment construction and erection, and providing of close cooperation between all contracting agencies (including foreign ones).

## DESIGNER'S AND TECHNICAL SUPERVISION OF MANUFACTURE



## CONTROL AT EVERY MANUFACTURE STAGE



## REPRESENTATIVE OFFICES AT THE MACHINE-BUILDING PLANTS

## REACTOR EQUIPMENT

and removable internals

- ▶ **Heavy Wall Reactors;**  
Hydrocrackers;  
Hydrotreaters (HDT);
- ▶ **Heavy still bottoms catalytic crackers**  
(including for the RCC facility);
- ▶ **Catalytic crackers** (including for the FCC facility);
- ▶ **Catalytic reformers** (including for the CCR facility);
- ▶ **Hydrogen generation units;**
- ▶ **GC RAN jet reactors for the isobutanes/  
olefins sulfuric acid alkylation units.**



## SEPARATORS

and removable internals including as follows

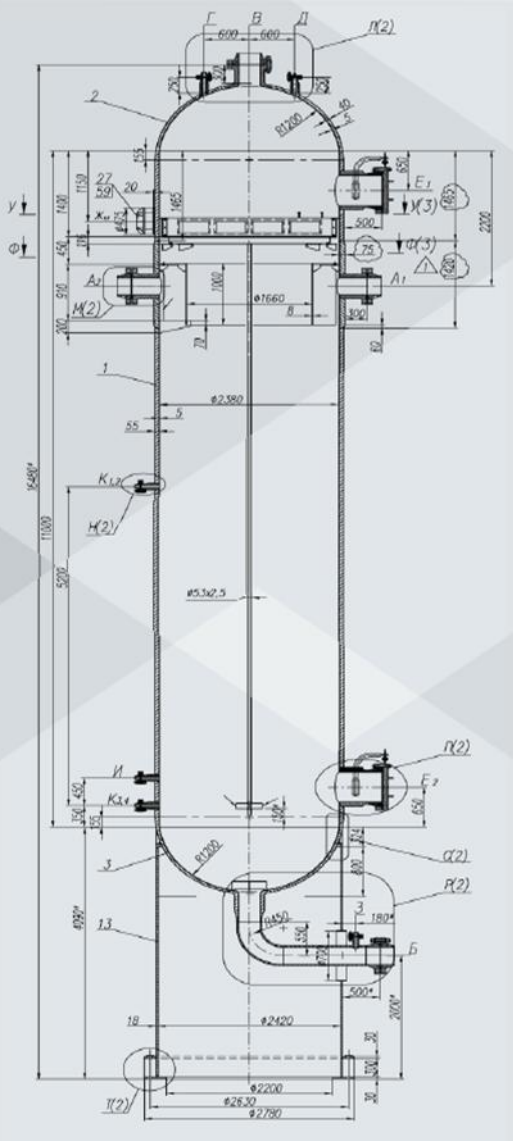
### ► High pressure separators for hydrocracking unit:

Hot separators;  
Cold separators;  
Centrifugal separators.

### ► Hydrotreating unit separators:

Hot separators;  
Cold separators.

### ► Vertical and horizontal separators.





## HEAT-EXCHANGE EQUIPMENT

- High pressure heat exchangers (up to 200 atm.) with breech-lock for hydrocracking units;
- Tight feed heat exchangers for hydrotreating units;
- Heat exchangers with built-in flow energizer;
- Reboilers;
- Plate heat exchangers;
- Custom-tailored shell-and-tube heat exchange equipment.





## **COLUMN EQUIPMENT and removable internals**

- Fractionators;
- Strippers;
- Stabilizers;
- Vacuum distillation units;
- Absorbers;
- Deethanizers;
- Scrubbers, etc.

### **For following units:**

- CDU, VDU;
- Hydrocracking;
- Hydrotreatment;
- Catalytic cracking;
- Catalytic reforming;
- Isomerization;
- Alkylation;
- MTBE, etc.



# SUPPLY AND SERVICE LIST OF SUPPLIED EQUIPMENT

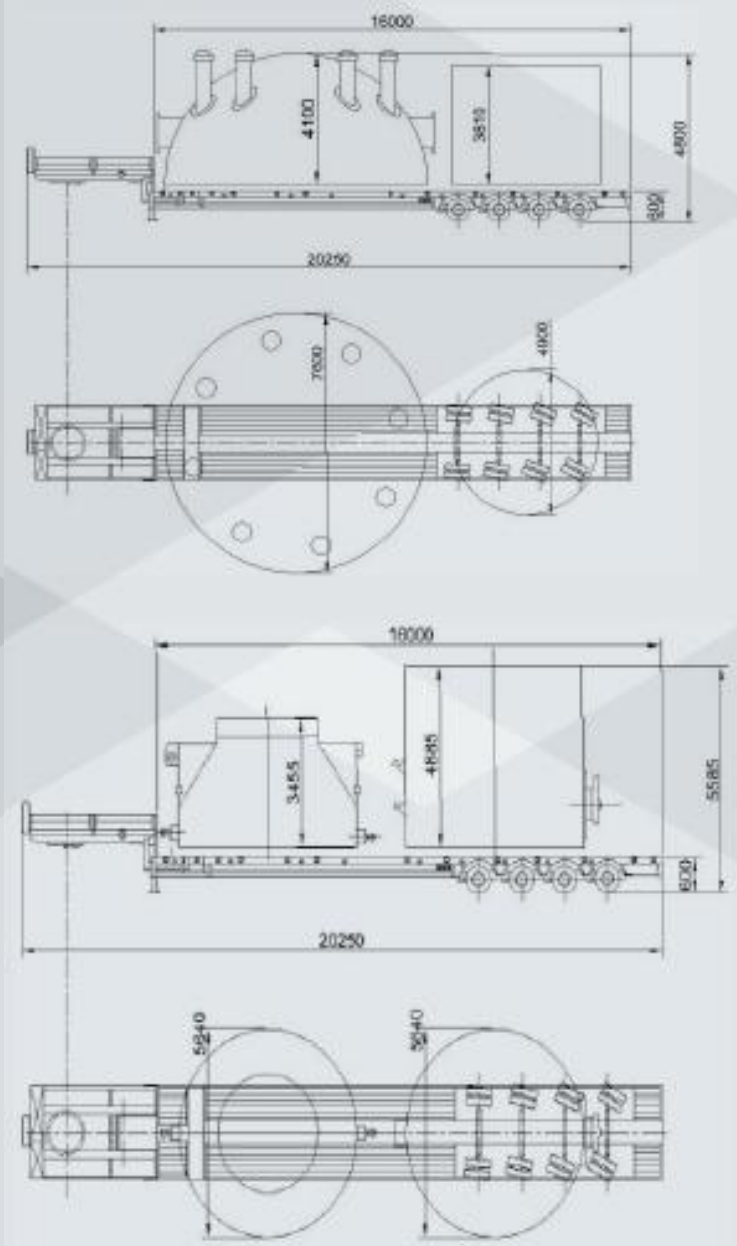


- Furnace equipment;
- Air-cooler units (ACU) including high pressure ACU for the hydrocracking plants;
- Tanks and vessels;
- Equipment modules as assembly units:  
(separator, divider, degasifier, tank and fitting units);
- Compressor and pumping equipment;
- CDU equipment



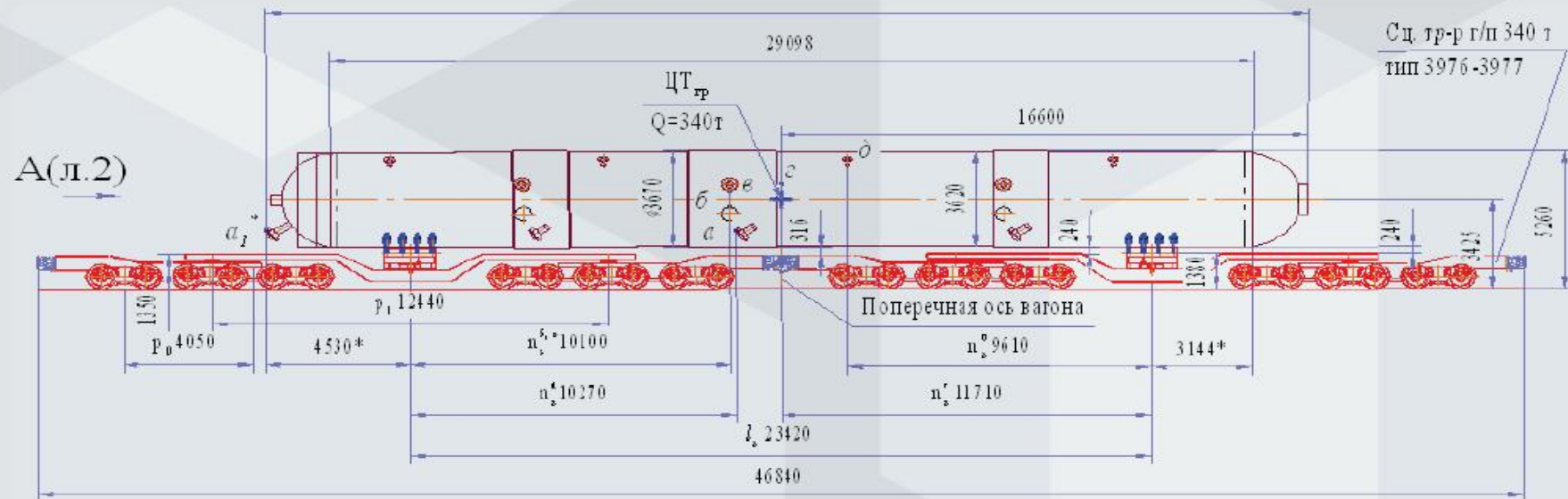
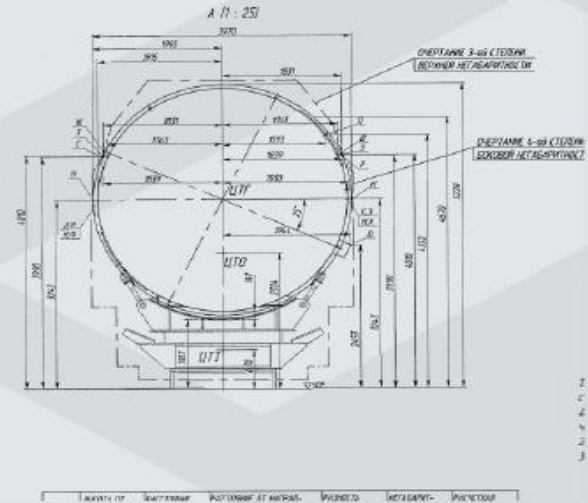
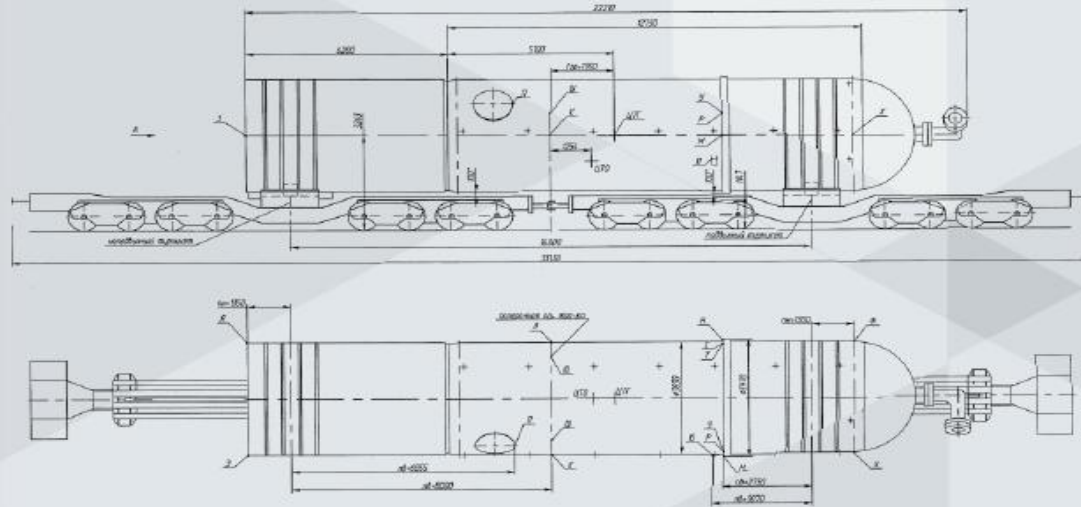
## PRIMARY OBJECTIVES:

- Transportation flow chart substantiation;
- Selection of the special transport carriers;
- Determination of loading-unloading operations methods and means;
- Cargo securing chart drafting;
- Design work on transportation;
- Obtaining of the required approvals and permits of road services;
- Designer's supervision during preparatory and main cargo transportation operations;
- Transportation:
  - road transport;
  - railway transport;
  - river and marine transport.



## Reactor transport scheme

ЛОДКА ПЕРЕВОЗА - АРМАС-1 (СР.А.С.)  
 Вес груза - 340 т.  
 Вес лодки - 850 т.



## OUR ADVANTAGES:

- We are ready to work out and propose the route of any complexity for transportation of bulk and out-of-gauge equipment irrespective of the end place of destination, involving at each stage all the necessary types of transport: road, river, marine, railway and air;
- We coordinate and carry out transportation of complex out-of-gauge equipment, as well as of any other equipment for petroleum refining and petroleum chemistry industry;
- We carry out all the design and road construction works;
- We carry out loading and unloading operations with the use of crane facilities, hydraulic systems of specialized equipment, as well as the horizontal and vertical lifting devices for load handling by means of hoisting jacks, pushers and special-purpose equipment;
- We guarantee reliable and on-time equipment delivery to our Customer.



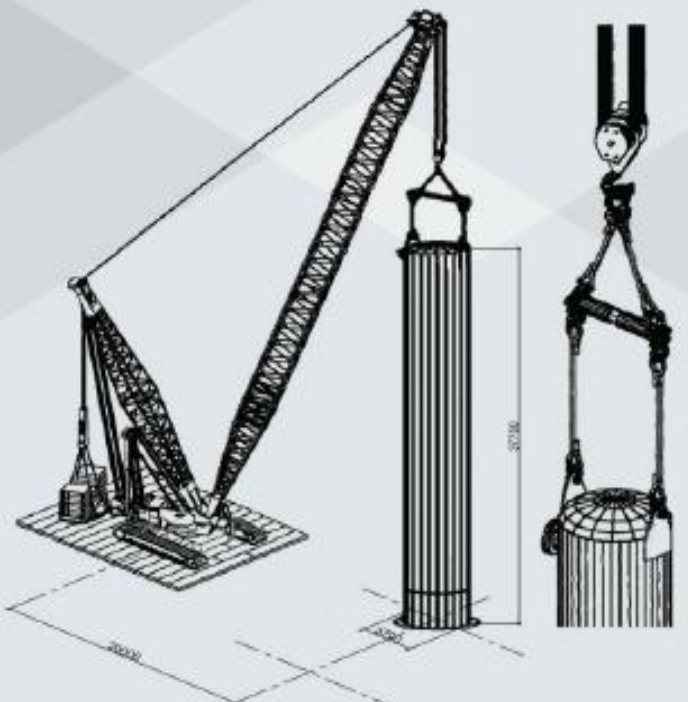
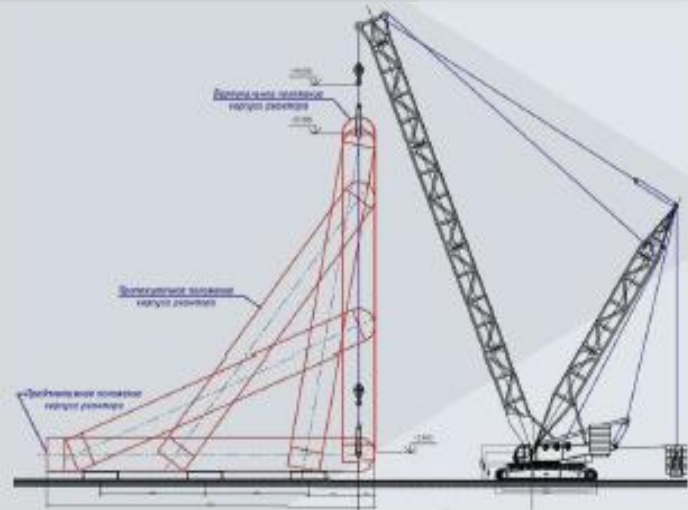
## PARTNERS:

- Russian Railways OAO;
- RosDorNIi;
- PodvodRechStroj OAO;
- Industry port ZAO;
- InSpecCom OOO;
- SpecTjazhTrans OOO;
- SOP&G OOO;
- ROSNO ZAO and others



## PRIMARY OBJECTIVES:

- Analysis, forecasting and assessing of general constructional and erection works;
- Value analysis of general constructional and mechanical erection works;
- Transportation and special equipment works;
- Substantiation of lifting equipment selection;
- Design and preparation works development;
- Cost estimates;
- Development of the progress schedule charts, daily and monthly progress schedule charts, activity types detailing;
- Welding operations;
- Equipment erection;
- Pipelining;
- Overpass erection;
- Quality control and testing.



## ADVANTAGES:

- Constant market monitoring, knowledge of existing prices;
- Construction on a turnkey basis;
- Costs reduction
- Independence of subcontractors;
- Participation at the stage of the project documentation development;
- Availability of own and leased lifting equipment;
- Declared price assurance;
- The Customer's risks reduction due to responsibility and administration centralization in single contracting agency;
- Highly qualified personnel;
- Presence of partner contracting agencies in the regions.





## Primary objectives:

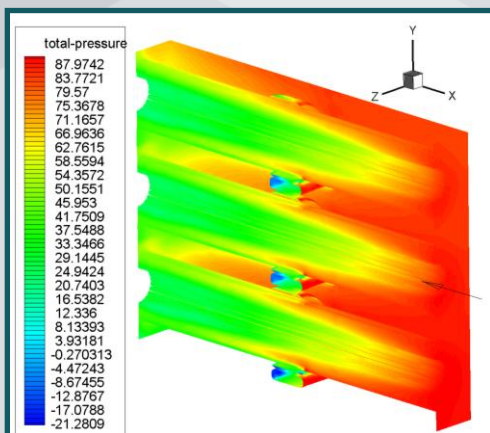
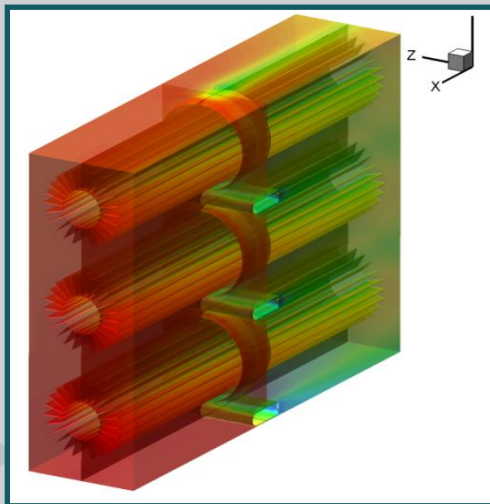
- **Mathematical simulation** with the use of advanced numerical approaches (finite-element packages Ansys, Star-CCM+) **of chemical technology processes in hydrodynamics and of heat exchange processes** for ensuring of maximum performance efficiency of the process equipment manufactured by the GC RAN;
- **Numerical simulation of strength properties of the designed equipment;**
- **Mathematical simulation of conjugate problems of heat exchange, strength and hydrodynamics;**
- **Development of process solutions at design engineering of new equipment;**
- **Estimate of performance efficiency of the existing process equipment and provision of recommendations as to of its operation optimization.**

## Advantages:

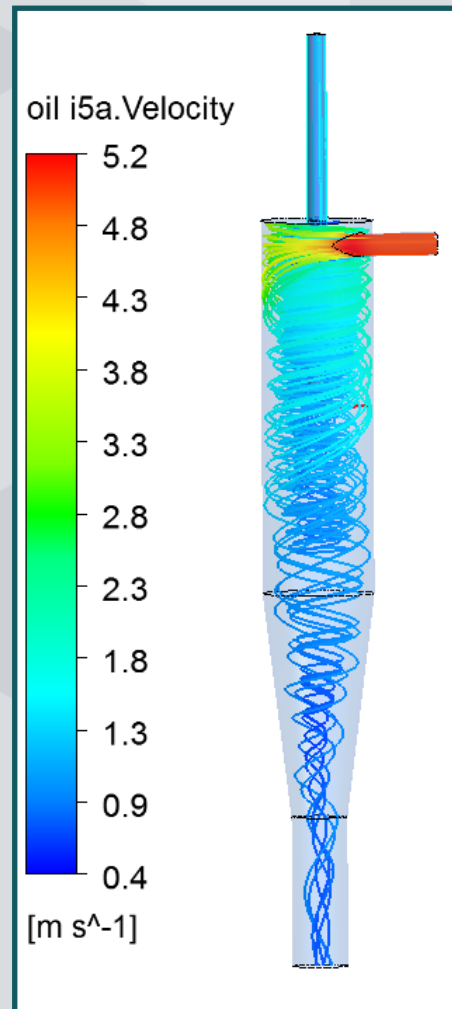
### Introduction of mathematical simulation approach:

- **Reduces manifold the selection time of optimal apparatus construction;**
- **Allows visualization of simulated mass and heat transfer processes;**
- **Partially functions as laboratory or production testing.**

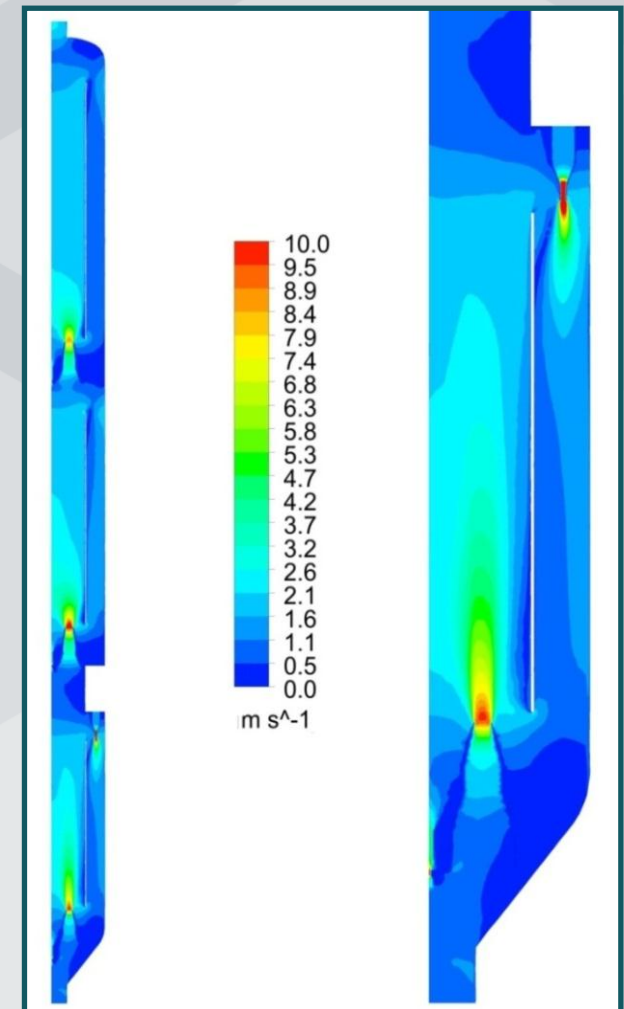
## Hydrodynamic calculations at process equipment design



Heat-exchange equipment

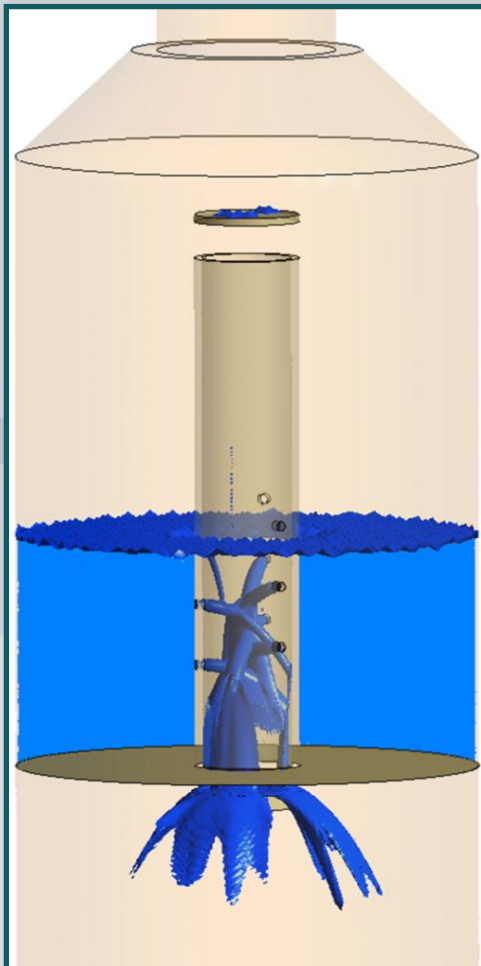


Hydrocyclone

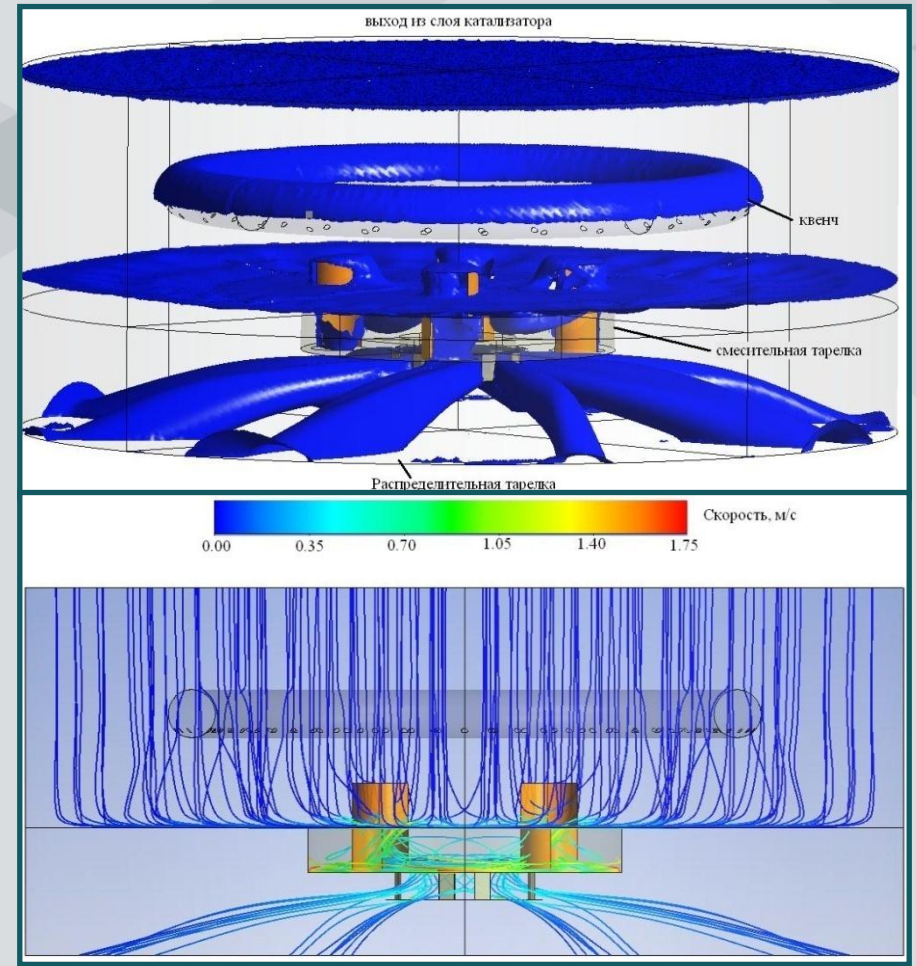
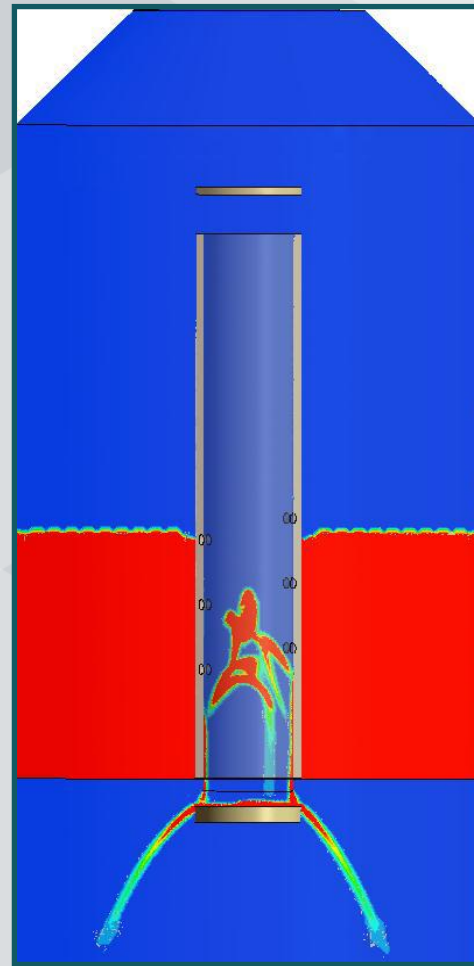


Alkylation reactor

## Development of process equipment internals (hydrocracker unit)



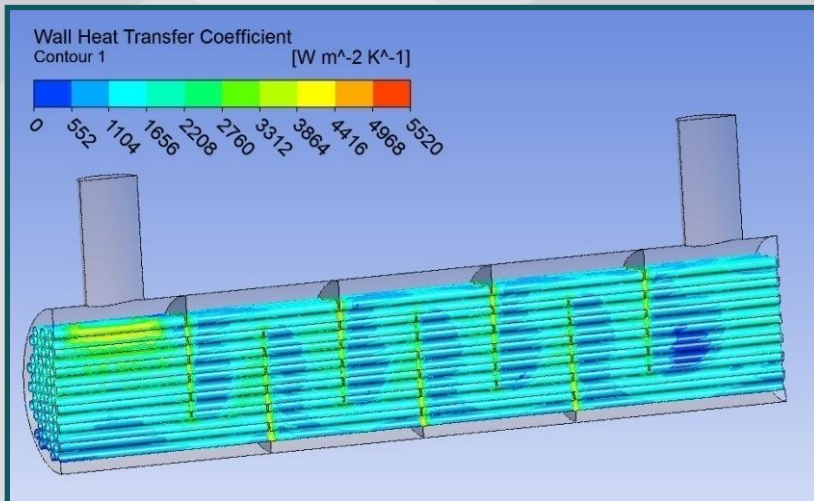
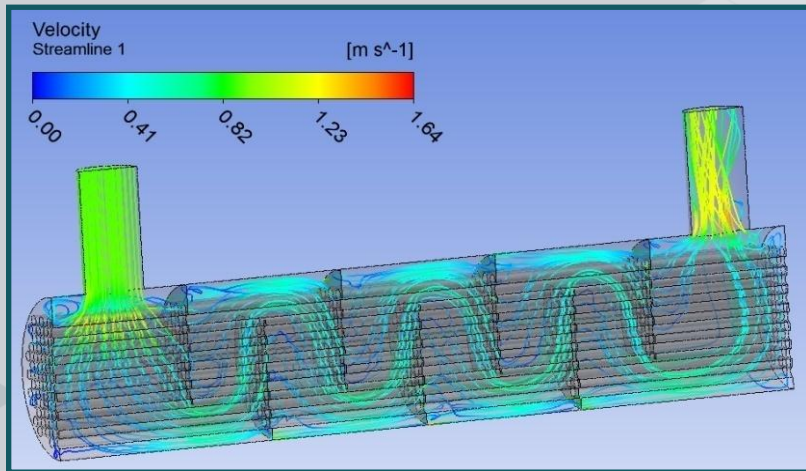
Distribution device



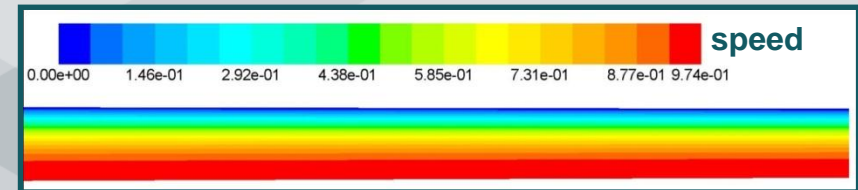
Quenching chamber

## Heat exchange intensification in shell-and-tube heat exchangers

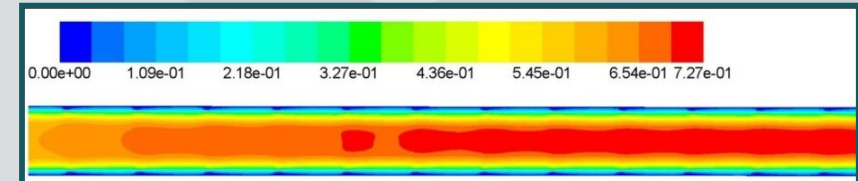
### Shell side



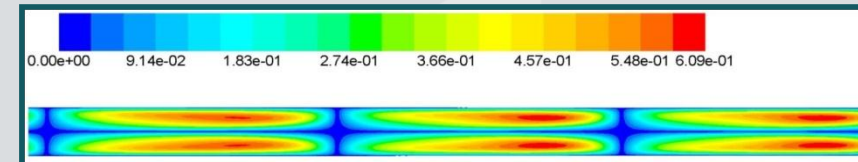
### Tube side



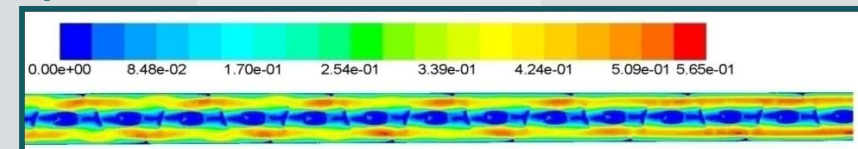
### Plain tube



### Finned tube

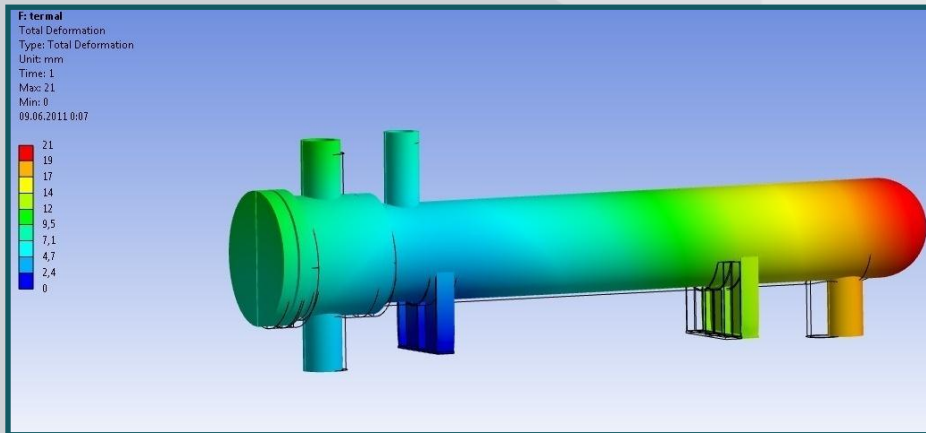


### Spiral band

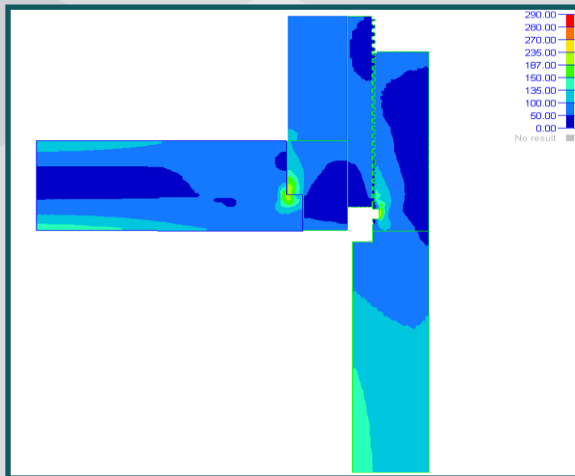


### Spiral wire structure

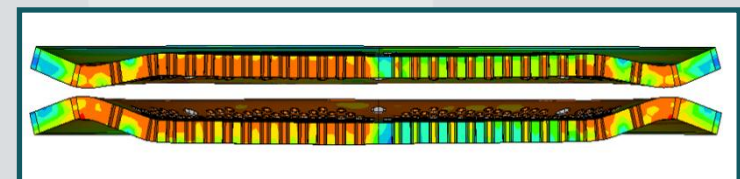
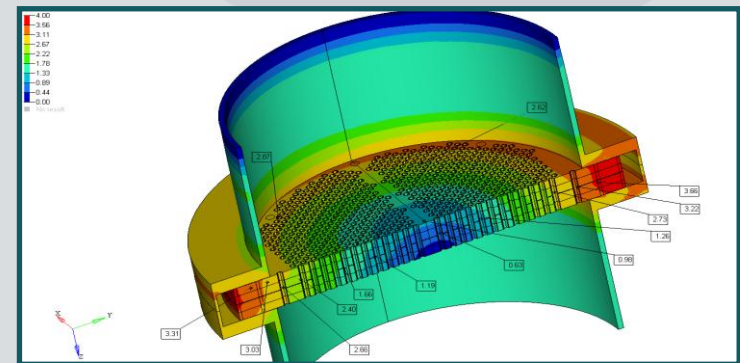
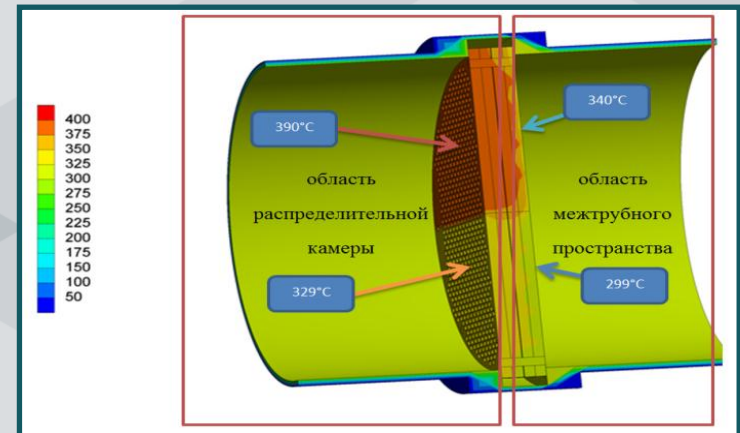
## Static strength calculation at equipment design



Shell-and-tube heat exchanger

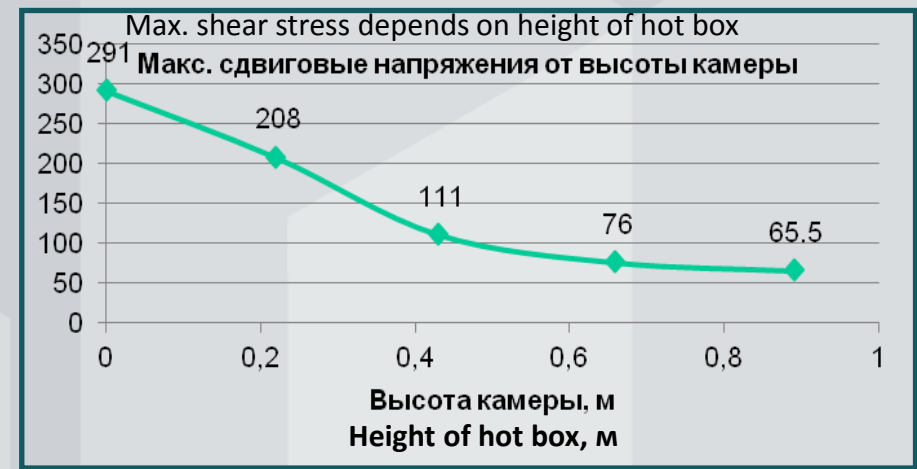
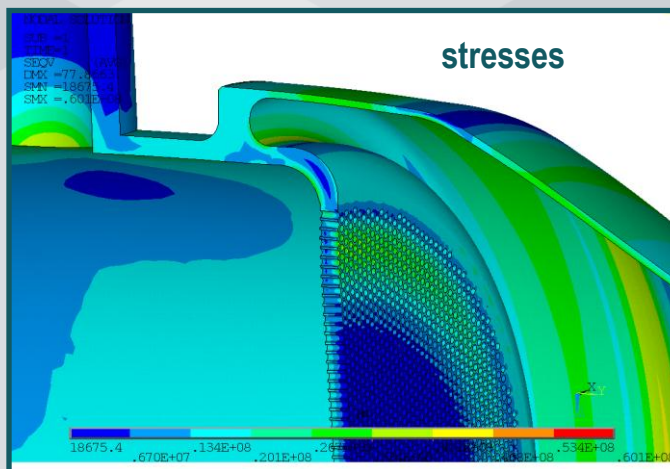
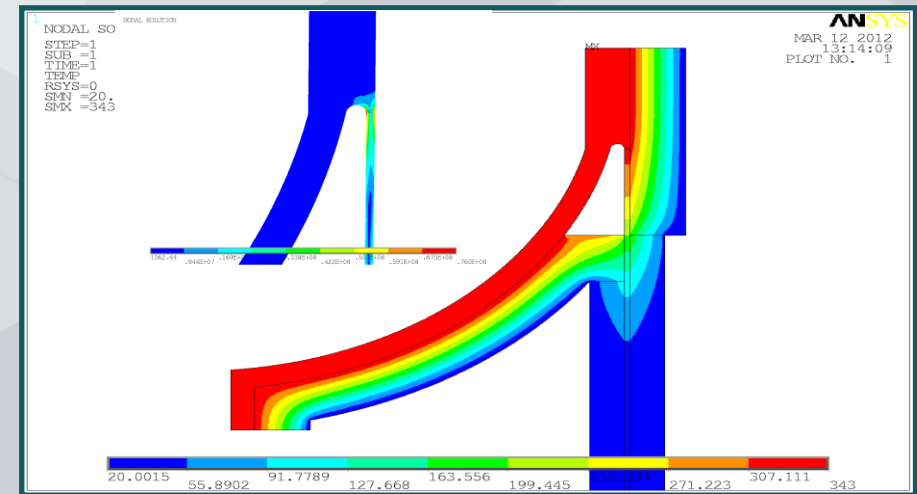
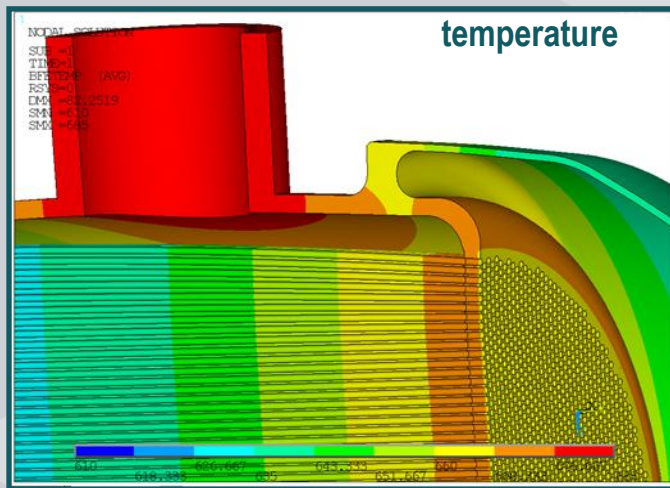


High pressure valve gate (200 atm)



Double tubesheet

## Mathematical simulation of the conjugate heat exchange, strength and hydrodynamics problems



Interstage heater

Hot reactor head

## Introduction of new developments in design engineering and technology:

- **Tight feed heat exchangers** for hydrotreatment facilities. **Tight feed heat exchangers** operating at the pressure differential between tube and shell sides  $>10\text{MPa}$ ;
- **Jet apparatuses**, such as reactors, are intended for production of efficient liquid-liquid type emulsions for isobutanes/olefins sulfuric acid alkylation units;
- **Introduction of mathematical simulation approach** at apparatus design engineering;
- **Hydraulic cyclones** intended for immediate breaking of emulsified two-phase systems.



**Tight feed heat-exchangers**  
for hydrotreatment and catalytic  
reforming units

**The list of the proposed works:**

- engineering design development;
- kitting-up;
- manufacture;
- delivery to the Customer's  
warehouse.



## TIGHT FEED HEAT-EXCHANGERS

### Objectives of the equipment development:

- prevention of gas crude mixture and gas products mixture intermixing (ensuring of structural continuity);
- increase in unit thermal efficiency.

### Structural solutions:

- application of double tubesheet of original construction approved by the VNIIP Tkhimnefteapparatury OAO;
- application of seamless U-tubes without butt welds;
- exclusion of flange connectors inside the vessel due to the use of U-type tube bundle;
- increase in reliability of tube to tubesheet connection due to the tube vibrations reduction in the tubesheet adjacent areas and between the baffles as a result of:
  - diameter clearance reduction between the tubesheet holes and tubes,
  - diameter clearance reduction between the baffles and heat exchanging tubes,
  - installation of anti-vibration baffles;
- application of U-type tube bundle with the longitudinal baffle in the shell resulting in ensuring of counter-current flows, which is the important factor for increase in thermal efficiency at equal gas crude mixture and gas products mixture flow rates.



## **New sulfuric acid alkylation process on the basis of jet reactor**

Reactor P-2к, plant 25/7,  
Slavneft-YANOS OAO,  
Yaroslavl  
in operation since 2000

List of the proposed works:  
Plant turnkey construction – from basic  
engineering up to commissioning

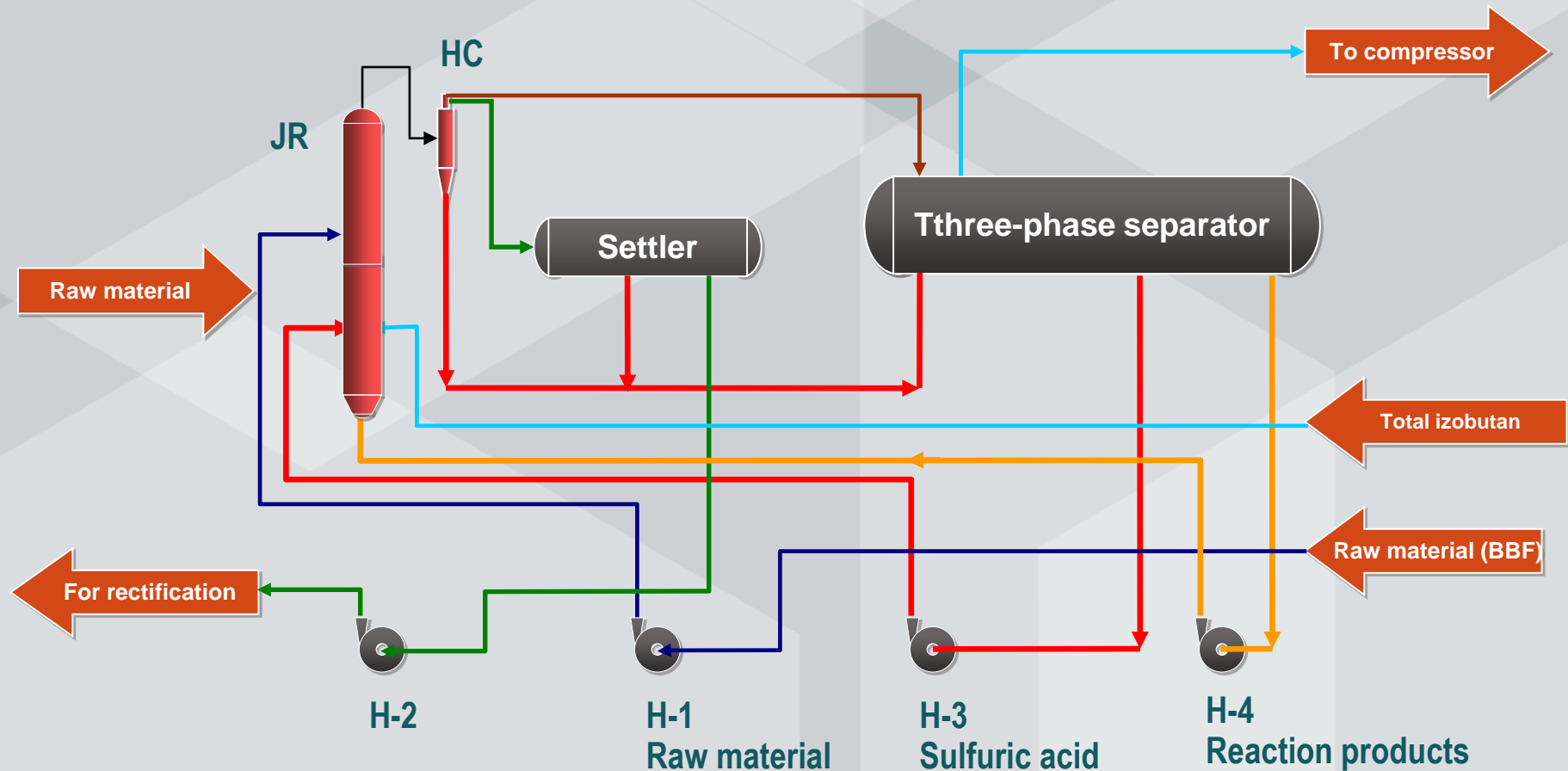
## SULFURIC ACID ALKYLATION PROCESS ON THE BASIS OF JET REACTOR TECHNOLOGY

### MAIN CHARACTERISTICS OF JET REACTOR

- |                                       |                     |
|---------------------------------------|---------------------|
| ➤ Weight                              | - 10 tons           |
| ➤ Volume                              | - 10 m <sup>3</sup> |
| ➤ Operating pressure                  | - 6 atmg            |
| ➤ Products stay time                  | - 60 sec            |
| ➤ Olefins weight hour space velocity  | - 3 h <sup>-1</sup> |
| ➤ Operating temperature               | - 12 °C             |
| ➤ Olefins to isobutane internal ratio | - 1:35              |
| ➤ Rated capacity                      | - 200 t/day         |

## SULFURIC ACID ALKYLATION PROCESS ON THE BASIS OF JET REACTOR TECHNOLOGY

SCHEMATIC DIAGRAM OF JR UNIT



## SULFURIC ACID ALKYLATION PROCESS ON THE BASIS OF JET REACTOR TECHNOLOGY

### Comparison of technical and economical indices

	Exxon	DuPont	Ran Group
Operating temperature, ° C max.	9	9	15
Alkylate output, t/day	850	850	850
Octane number	96.3 RON	96.3 RON	96.3 RON
Number of reactors	1	4	4
Number of settlers	1	4	5
<b>Reactors supply</b>			
Compressor, kW	2030	2580	2200
Mixers, kW	400	1490	-
Pumps, kW	600	600	1300
Total, kW	3030	4670	3500
BCooling water , m <sup>3</sup> /hour	2700	2800	2700
Steam, t/hour	45	45	45
Fresh acid, tons per day	69-75	70-75	70
Fresh acid, kg/ton of alkylate	82-88	85-90	85

## SULFURIC ACID ALKYLATION PROCESS ON THE BASIS OF JET REACTOR TECHNOLOGY

- Conceptually new type of reactor unit is developed and manufactured for the sulfuric acid alkylation process;
- The reactor unit is successfully operated for more than 10 years.

### ADVANTAGES:

- Improvement of operational performance and increase in reliability due to absence of built-in agitators;
- Reduction in capital costs due to the reactor compact size;
- Improvement of the industrial safety performance due to the considerable reactor downsizing;
- Considerable reduction in the feed stay in reaction zone, improvement of the process control and reduction in the system response time;
- Simplification of maintenance and repair, reduction in operational expenses;
- The jet reactor allows processing of propylene feed.

## Our organization holds proprietary patent “Alkylbenzene production process”







РОССИЙСКАЯ ФЕДЕРАЦИЯ



**ПРИЛОЖЕНИЕ**

К ПАТЕНТУ НА ИЗОБРЕТЕНИЕ

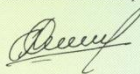
№ 2248343

Зарегистрирован 13.12.2011 лицензионный договор  
(неисключительная лицензия) № РД0091627 на срок  
до 27.10.2013.

Лицензиат: Общество с ограниченной  
ответственностью «РБС-Холдинг» (RU).

Запись внесена в Государственный реестр  
изобретений Российской Федерации  
13 декабря 2011 г.

Руководитель Федеральной службы по интеллектуальной  
собственности, патентам и товарным знакам



Б.П. Симонов

Форма № 50 Д-2009

ФЕДЕРАЛЬНАЯ СЛУЖБА ПО ИНТЕЛЛЕКТУАЛЬНОЙ СОБСТВЕННОСТИ  
(РОСПАТЕНТ)

Бережковская наб., 30, корп. 1, Москва, Г-59, ГСП-5, 123995. Телефон (8-499) 240-60-15. Факс (8-495) 234-30-58

Наш № 2011Д18351/93

**УВЕДОМЛЕНИЕ**  
о государственной регистрации договора

Рассмотрено поданное 11.11.2011 заявление о государственной регистрации лицензионного договора о предоставлении права использования изобретения.

Уведомляю о государственной регистрации лицензионного договора о предоставлении права использования изобретения.

(11) Патент на изобретение №2248343

Имя и адрес лица, предоставляющего право использования -  
Открытое акционерное общество Научно-исследовательский институт "Ярсинтез"  
150040, г. Ярославль, пр. Октября, 88

Имя и адрес лица, которому предоставлено право использования -  
Общество с ограниченной ответственностью "РБС-Холдинг"  
105066, Москва, ул. Нижняя Красносельская, 39, стр. 2

Руководитель



Б.П. Симонов

## PARTNER BANKS:



**Savings Bank of the  
Russian Federation**



**MNCkV**



**MKV**



**Morskoy Bank**



**Zenit**

➤ 2010	<b>BANK GUARANTEES:</b>	<b>616.87 million roubles</b>
➤ 2011	<b>BANK GUARANTEES:</b>	<b>650.00 million roubles</b>

# MAIN COMPETITIVE ADVANTAGES OF GK RAN:

1. Development of the design engineering documents for the equipment including based on configuration data sheets of the foreign companies (bringing to conformity with the requirements of standards and regulations of the Russian Federation);

2. Possibility of the real-time alteration of the engineering designs and those approval at the stage of the detailed engineering documentation development;

3. Continuous monitoring and appraisal of qualification, specialization, capabilities and level of workload of the Russian machine-building plants – the manufacturer selection optimization;

4. Long-term experience in organization of design, manufacture and supply of the equipment of any complexity;

5. Long-term partnership relations with the main design organizations, machine-building and metallurgical plants of the Russian Federation and CIS, as well as with the construction and erection organizations;

6. Availability of logistics and bulky cargo forwarding department;

New  
developments,  
implemen-  
tation

Design  
engineering

Construction  
and erection

Equipment  
supply,  
service

Logistics

Financing

Process  
simulation

Development

# MAIN COMPETITIVE ADVANTAGES OF GK RAN:

## 7. Reduction in equipment design and manufacture period at the machine-building plants and facilities commissioning period up to 25-30% due to as follows:

- close cooperation of all the company's departments, carrying out of the operations in parallel;
- long-term partnership relations;
- presence of the Company representatives directly at the machine-building plants;
- availability of own storehouses and rolled metal products supply service;
- supply of the key materials for our orders. The materials and accessories are procured at the stage of draft design;
- efficient cooperation with structural designers of the machine-building plants;
- equipment manufacture supervision at all the stages from design to shipment;

New  
developments,  
implemen-  
tation

Design  
engineering

Construction  
and erection

Equipment  
supply,  
service

Logistics

Financing

Process  
simulation

Development

# MAIN COMPETITIVE ADVANTAGES OF GK RAN:

8. Availability of the qualified experts capable to solve complex problems: technologists, designers, structural designers, mathematicians, mechanics, inclusive of specialists having academic degrees and long-term experience in industries;
9. Continuous monitoring and introduction of state-of-the-art achievements in petroleum refining and petroleum chemistry;
10. Introduction of advanced petroleum refining and petroleum chemistry equipment developments in cooperation with the VNIINEftemash OAO;
11. Organization of own design activity in the petroleum refining and petroleum chemistry;
12. Application of the processes mathematical simulation approach at apparatuses design engineering;
13. Implementation of the EPC Company concept.

New  
developments,  
implemen-  
tation

Design  
engineering

Construction  
and erection

Equipment  
supply,  
service

Logistics

Financing

Process  
simulation

Development

*Our organization has all the required permits*





Саморегулируемая организация,  
основанная на членстве лиц, осуществляющих подготовку проектной документации

**Некоммерческое партнерство «Саморегулируемая организация  
«СОВЕТ ПРОЕКТИРОВЩИКОВ»**  
115114, г. Москва, ул. Кожвиническая, д.14, стр.2, [www.sp-sro.ru](http://www.sp-sro.ru),  
регистрационный номер в государственном реестре  
саморегулируемых организаций СРО-П-011-16072009

г. Москва «11» октября 2011 г.  
(место выдачи Свидетельства) (дата выдачи Свидетельства)

## СВИДЕТЕЛЬСТВО

о допуске к определенному виду или видам работ, которые оказывают влияние на  
безопасность объектов капитального строительства  
№ 0282.3-2011-7701260592-П-011

Выдано члену саморегулируемой организации

**Обществу с ограниченной ответственностью**  
(полное наименование юридического лица (фамилия, имя, отчество индивидуального предпринимателя)  
"РБС-Холдинг"  
ИНН 7701260592, ОГРН 1037701039881  
г/р/п (г/р/п/п/п), ИНН  
Россия, 105066, г. Москва, ул. Нижняя Красносельская, д. 39, стр. 2  
адрес местонахождения (места жительства), дата рождения предпринимателя)

Основание выдачи Свидетельства решение Президиума НП «СРО  
(наименование органа управления  
«СОВЕТ ПРОЕКТИРОВЩИКОВ», Протокол № 58 от 11 октября 2011 г.  
(саморегулируемой организации, номер протокола, дата заседания)

Настоящим Свидетельством подтверждается допуск к работам, указанным в приложении к  
настоящему Свидетельству, которые оказывают влияние на безопасность объектов  
капитального строительства

Начало действия с «11» октября 2011 г.  
Свидетельство без приложения недействительно.  
Свидетельство выдано без ограничения срока и территории его действия.  
Свидетельство выдано взамен ранее выданного № 0282.2-2010-7701260592-П-011 от 29.12.2010  
(дата выдачи, номер Свидетельства)

Директор НП «СРО  
«СОВЕТ ПРОЕКТИРОВЩИКОВ» \_\_\_\_\_  
(должность уполномоченного лица) (подпись) М.П. \_\_\_\_\_  
Е.В. Жучкова  
(инициалы, фамилия)

003548

Копия свидетельства ЗАО «Спектр» (инв. № 05-05-00003) ВИС РП (группа В, №1) даны НП «Совет проектировщиков», в/о №1018 от 28.12.2010; Тел: (495) 728-4742; (Москва, 2011); НЕ НАДЕЛЕНА СЛОВОМ И ПРАВОМ



Саморегулируемая организация  
основанная на членстве лиц, осуществляющих строительство  
(и/или саморегулируемой организации)

**НЕКОММЕРЧЕСКОЕ ПАРТНЕРСТВО СТРОИТЕЛЕЙ  
«Строители железнодорожных комплексов»**  
192012, г. Санкт-Петербург, Запорожская ул., д. 27, корп. 2, лит. А, оф.1С  
[www.sro2.ru](http://www.sro2.ru)  
№ СРО-С-234-07022011

Санкт - Петербург «08» сентября 2011 г.  
(место выдачи Свидетельства) (дата выдачи Свидетельства)

## СВИДЕТЕЛЬСТВО

о допуске к определенному виду или видам работ, которые  
оказывают влияние на безопасность объектов капитального  
строительства  
№ 3168

Выдано члену саморегулируемой организации **Общество с**  
(полное наименование юридического лица  
ограниченной ответственностью «РБС-Холдинг», ОГРН 1037701039881  
фамилия, имя отчество индивидуального предпринимателя), ИНН, адрес местонахождения  
ИНН 7701260592, 105066 г. Москва, ул. Нижняя Красносельская, д.39, стр.2  
(место жительства), дата рождения индивидуального предпринимателя)

Основание выдачи Свидетельства : решение Контрольного комитета  
(наименование органа управления саморегулируемой организации,  
ИП строителей «Строители железнодорожных комплексов»  
№ 08КК от 08 сентября 2011г.  
номер протокола, дата заседания)

Настоящим Свидетельством подтверждается допуск к работам,  
указанным в приложении к настоящему Свидетельству, которые  
оказывают влияние на безопасность объектов капитального  
строительства.

Начало действия с «08» сентября 2011 г.  
Свидетельство без приложения не действительно.  
Свидетельство выдано без ограничения срока и территории его действия.  
Свидетельство выдано взамен ранее выданного \_\_\_\_\_  
(дата выдачи, номер Свидетельства)

Генеральный директор  
НП строителей «Строители  
железнодорожных комплексов» \_\_\_\_\_  
(должность) (подпись) \_\_\_\_\_  
Погодин В.С.  
(инициалы, фамилия)

Саморегулируемая организация, основанная на членстве лиц, осуществляющих строительство  
МОСКОВСКИЙ ФИЛИАЛ  
САМОРЕГУЛИРУЕМАЯ ОРГАНИЗАЦИЯ НЕКОММЕРЧЕСКОЕ ПАРТНЕРСТВО  
**«Объединение строителей Калужской области»**  
123060, г. Москва, ул. Берзарина, д. 36, стр. 1, оф. 409, filial-osko.ru  
Регистрационный номер в государственном реестре саморегулируемых организаций  
СРО-С-176-18012010

г. Москва «03» февраля 2012 г.

## СВИДЕТЕЛЬСТВО

**о допуске к определённому виду или видам работ, которые оказывают влияние на безопасность объектов капитального строительства**

**№ 0415.01-2011-7734196462-С-176**

Выдано члену саморегулируемой организации:  
**Обществу с ограниченной ответственностью «РАН КОМПЛЕКТ»**  
ОГРН 1027739476490, ИНН 7734196462, 123154, г. Москва, Карамышевская набережная, д. 48, корп. 3, пом. 6, ком. 9

Основание выдачи Свидетельства: **Решение Совета СРО НП «ОСКО», протокол № 2 от «03» февраля 2012 г.**

Настоящим Свидетельством подтверждается допуск к работам, указанным в приложении к настоящему Свидетельству, которые оказывают влияние на безопасность объектов капитального строительства.

Начало действия с «03» февраля 2012 г.  
Свидетельство без приложения недействительно.  
Свидетельство выдано без ограничения срока и территории его действия.  
Свидетельство выдано взамен ранее выданного от 21 февраля 2011 г. № 0415.00-2011-7734196462С-176

Директор  В. В. Мишин  
(подпись)



0044823



Саморегулируемая организация,  
основанная на членстве лиц, осуществляющих подготовку проектной документации

Некоммерческое партнерство «Саморегулируемая организация  
«СОВЕТ ПРОЕКТИРОВЩИКОВ»  
115114, г. Москва, ул. Коженинская, д. 14, стр. 2,  
регистрационный номер в государственном реестре  
саморегулируемых организаций СРО-П-011-16072009

## СВИДЕТЕЛЬСТВО

**о допуске к работам по подготовке проектной документации, которые оказывают влияние на безопасность объектов капитального строительства**

**«17» ноября 2010 г. № 0393.1-2010-7734196462-П-011**

Выдано члену саморегулируемой организации  
**Обществу с ограниченной ответственностью**  
полное наименование юридического лица  
**«РАН КОМПЛЕКТ»**

**ИНН 7734196462, ОГРН 1027739476490**  
ИНН, ОГРН

**РФ, 123154, г. Москва, Карамышевская набережная, д. 48, корп. 3,**  
адрес местонахождения, фамилия, имя, отчество индивидуального предпринимателя, ИНН, ОГРН,  
**помещение VI, ком. 9**  
место жительства, дата рождения предпринимателя

Основание выдачи Свидетельства **решение Президиума НП «СРО**  
наименование органа управления  
**«СОВЕТ ПРОЕКТИРОВЩИКОВ», Протокол № 35 от 17 ноября 2010 г.**  
саморегулируемой организации, номер протокола, дата заседания

Настоящим Свидетельством подтверждается допуск к работам, указанным в приложении к настоящему Свидетельству, которые оказывают влияние на безопасность объектов капитального строительства.

Начало действия с **«17» ноября 2010 г.**  
Свидетельство без приложения недействительно.  
Свидетельство выдано без ограничения срока и территории его действия  
Свидетельство выдано взамен ранее выданного **№ 0393-2010-7734196462-П-011 от 20.04.2010**

Президент НП «СРО  
«СОВЕТ ПРОЕКТИРОВЩИКОВ»  
(должность)  **Халимовский А.А.**  
(фамилия, инициалы)



001948





**HEAD OFFICE**  
**Business-Center «Barklaj Plaza»**  
6 Barklaj Street, Moscow



**Design Engineering Department GK RAN**  
**VNIIneftemash OOO building**  
4<sup>th</sup> Roshchinskiy passage, building 19, Moscow



**Address:**

6 Barklaj Street,  
Moscow, Russia

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**Telephone/fax:**

+7 (495) 989-12-75,  
+7 (495) 728-68-39,  
+7 (499) 678-20-58,

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**E-mail:**

[info@rangroup.ru](mailto:info@rangroup.ru)

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[www.rangroup.ru](http://www.rangroup.ru)