About "OT-OIL" Company

Implementation of IT projects in the oil and gas industry

AO "OT-OIL"
4a/3, General Tyulenev St.
Moscow, Russia, postal code 117465
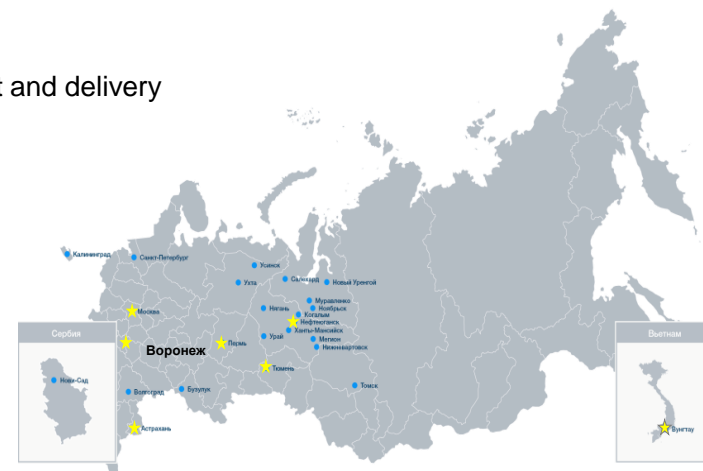Phone: +7 (495) 565-35-96
Email: info@ot-oil.com

OT-Oil
www.ot-oil.com

Line of business: JSC «OT-OIL» – software vendor specializing in IT solutions development and delivery

Resources : 80+ employees

Location : Moscow, Voronezh, Tyumen, Perm, Astrakhan, VungTau (Vietnam)

Product :
1. «Platform ATOLL»
2. «ELDOCA»
3. «ATOLL IV»
4. «MINERAL»

Business profile:

- **data management**;
- **management of electronic archives,** digital passports of objects;
- **digitalization of oil and gas production** and oilfield services processes;
- **digitalization of mining** processes;
- **digitalization of the project activity** of research, development and engineering centers

Affiliated companies:

«Element5NefteGaz»
- consulting in Upstream
- multi-vendor system integrator in Upstream

«TechnoIntellekt»
- resident of SKOLKOVO
- R&D
- AI in data management

Certificates:

ORACLE
EXADATA
READY

ISO 9001:2015 CERTIFIED COMPANY

PM Expert
Professional Project Management

Ministry of Telecom and Mass Communications of the Russian Federation

KEY CUSTOMERS:

GAZPROM

GAZPROM NEFT

LUKOIL

ROSNEFT

MINISTRY OF ENERGY OF RUSSIAN FEDERATION

THE MINISTRY OF EDUCATION AND SCIENCEOF THE RUSSIAN FEDERATION

CDU TEK

NORNICKEL

SLAVNEFT

VIETSOVPETRO

NIS GAZPROM NEFT

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1. Platform ATOLL – corporate integration platform

2. ELDOCA – automation of the design workflow / docflow

3. ATOLL IV – digitalization of oil and gas reservoirs (including offshore) exploration, development and exploitation processes

4. MINERAL – digitalization of mining operations

FEATURES OF PRODUCT CATALOG OF OT-OIL JSC:

- Since **2000**
- Includes 4 application lines and **150+** own **modules** and partner modules
- **70+ installed** in 20+ Companies
- **7 000+ users** accounts
- Controls data on more **210 000** wells, **10 000** field models, **600** service brigades, **11 000** geological and technological actions per year, **35 000** cases of downtime of service brigades per year, **2 000 000** geological and technological operations per year
- Used in **Russian, Vietnam** and Serbia
- Included in the Russian Federation software register and is used in **government projects** (SKIF-Nedra, GIS Neftekontrol)
- Works on a **unified ATOLL Platform**
- International certificate **ORACLE EXASTACK READY**
- **API** - it provides access to third-party vendors for services and data platform
- **SDK** - visual, transaction and ready-made application components for creating modules and connecting to the ATOLL Platform
- **Multilanguage** support

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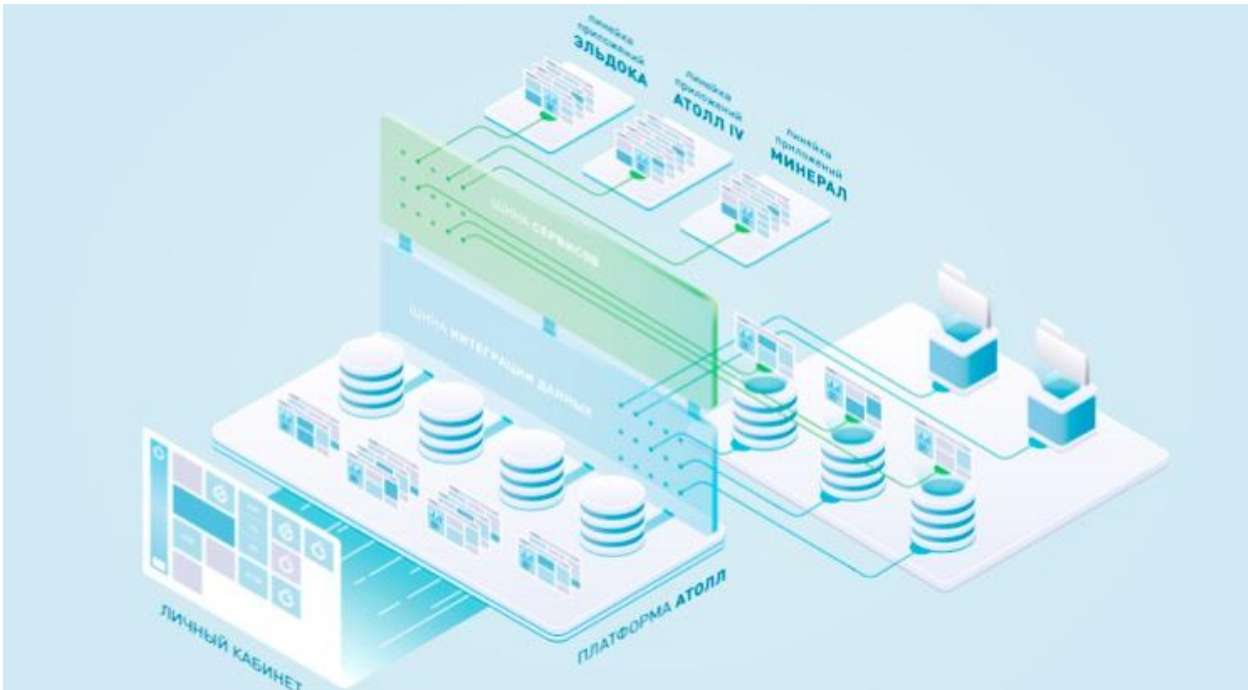
1. **Service Bus**
   - IT solutions functions are registered in the Service Bus;
   - IT-solutions are available in User Account according to business process role;

2. **Data Integration Bus**
   - data sources are registered in the Integration Data Bus;
   - exchange of information between data sources is configured via a Data Bus;

3. **Corporate Data Search**
   - User Account is able to search all data in all storage sources via the Integration Data Bus;

4. **Data Warehouses**
   - Repository of historical data and accumulated unstructured information is created for fuel and energy sector, mining industry and interbranch information;

5. **SDK - development kit**
   - new services are created by SDK and ready-made components;
   - services are automatically registered in the Service Bus.

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Software registry

User Account / Personal area

Business process role

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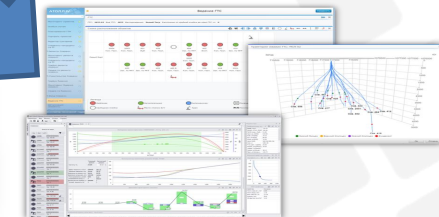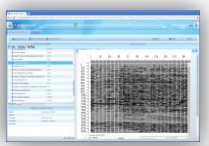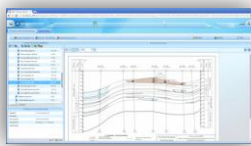
- Data Sources Register
- Connectors to Data Sources
- Subject-matter model
- Global ID
- MDM, ETL
- Data flow monitoring
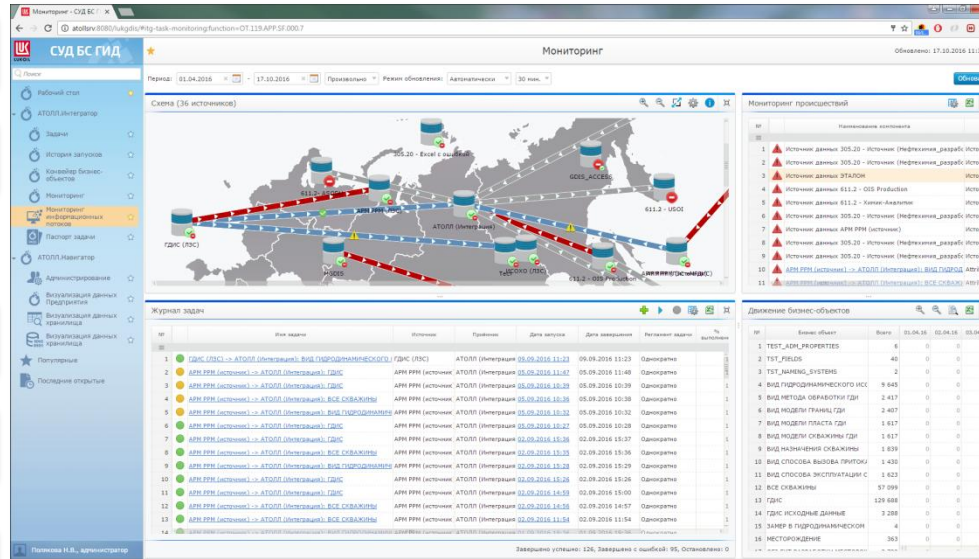
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Searching in all data sources

Data model Searching

Index Searching

Context Searching

Attribute Searching

Map Searching

Searching results viewing

40+ industry visualizers

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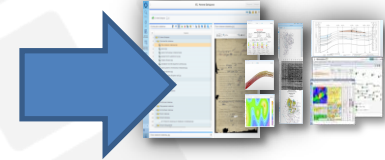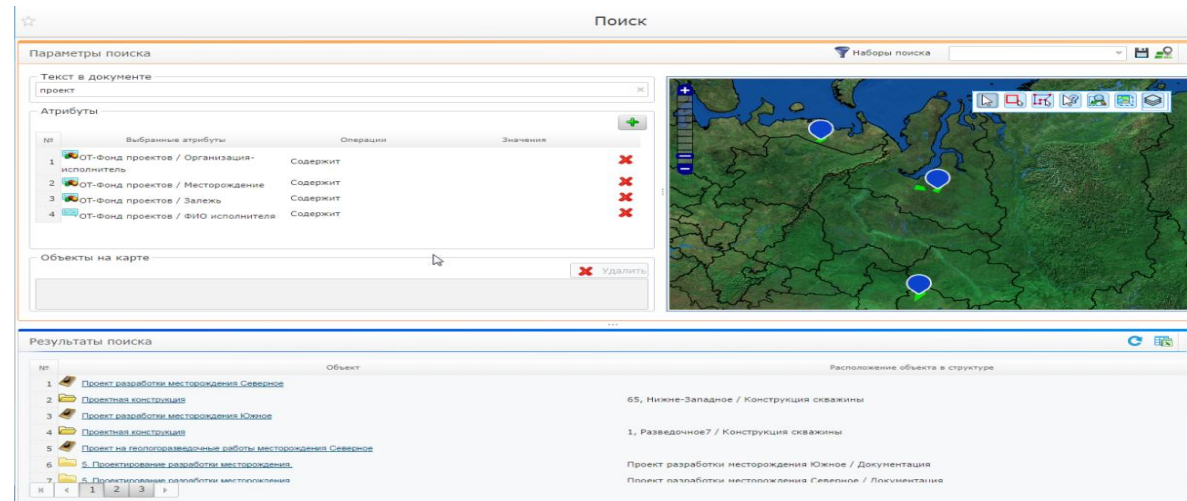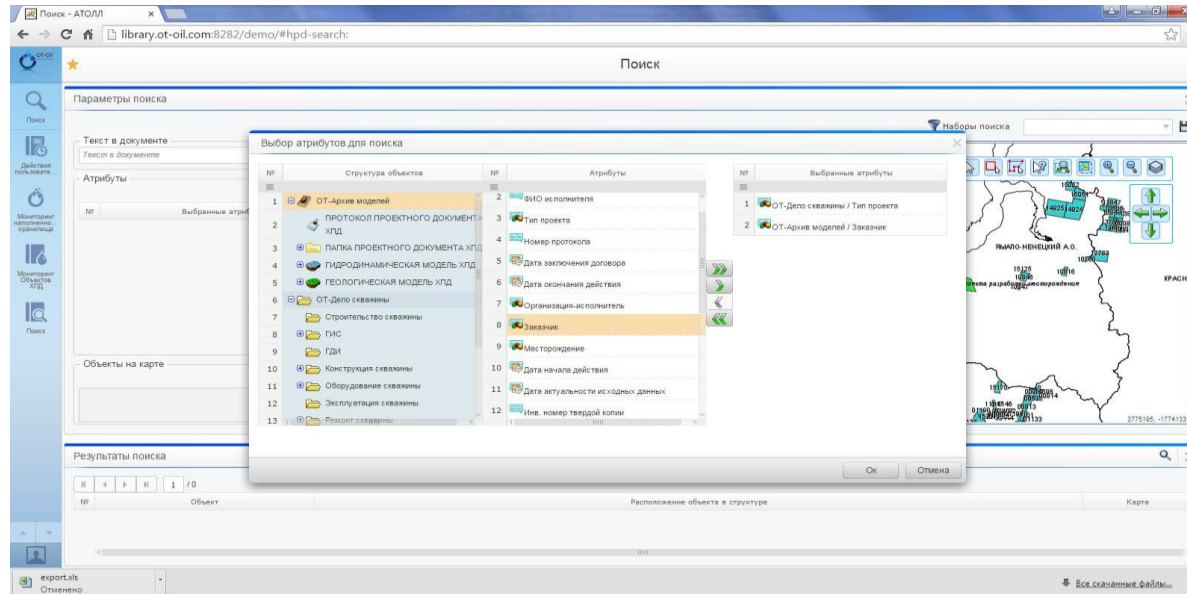
- Digital passports of objects
- Electronic Archives
- Structured File Storage
- Oilfield, Geological and Logs DB
- Reservoir G&E Models Depository
- E&P drill&dev docs Depository
- Seismic Data Depository
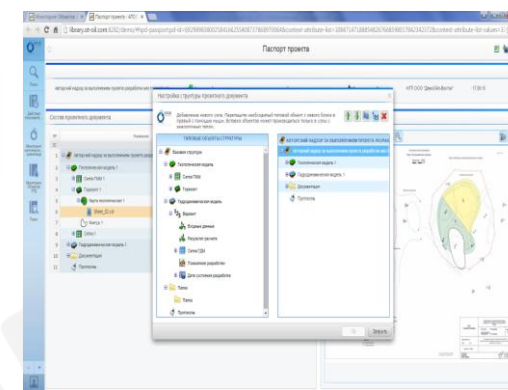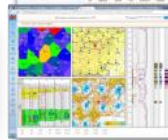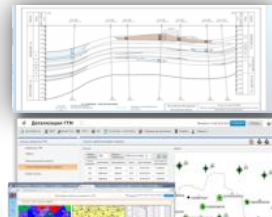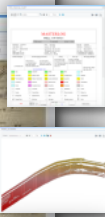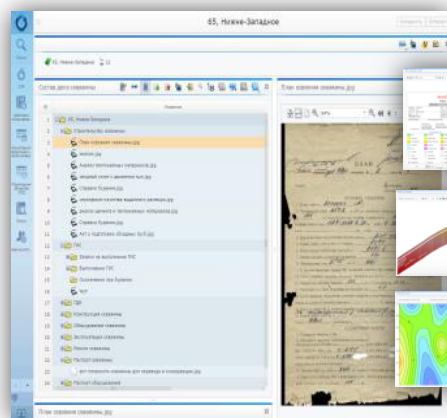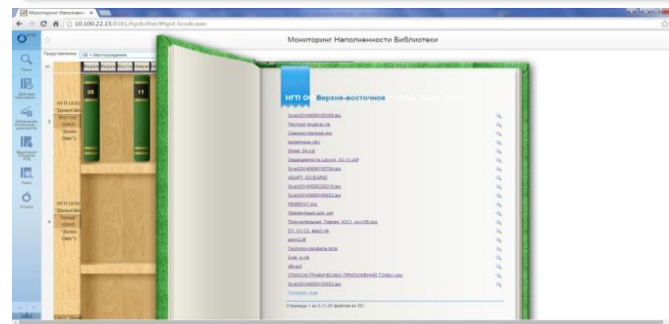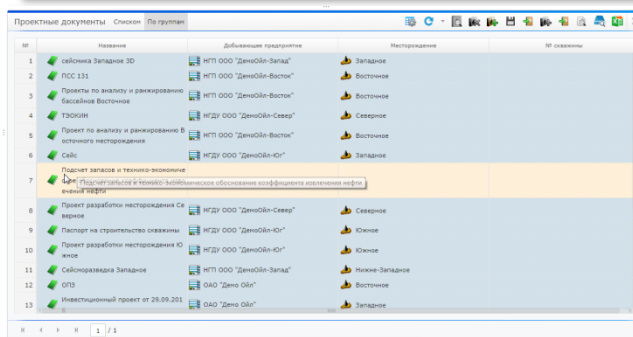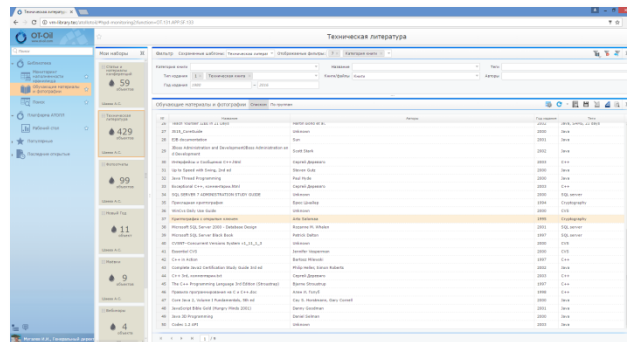
Well Data Depository (Shore, Offshore)

Technological Activities Program

Oil production/Water injection

Technological Activity Efficiency
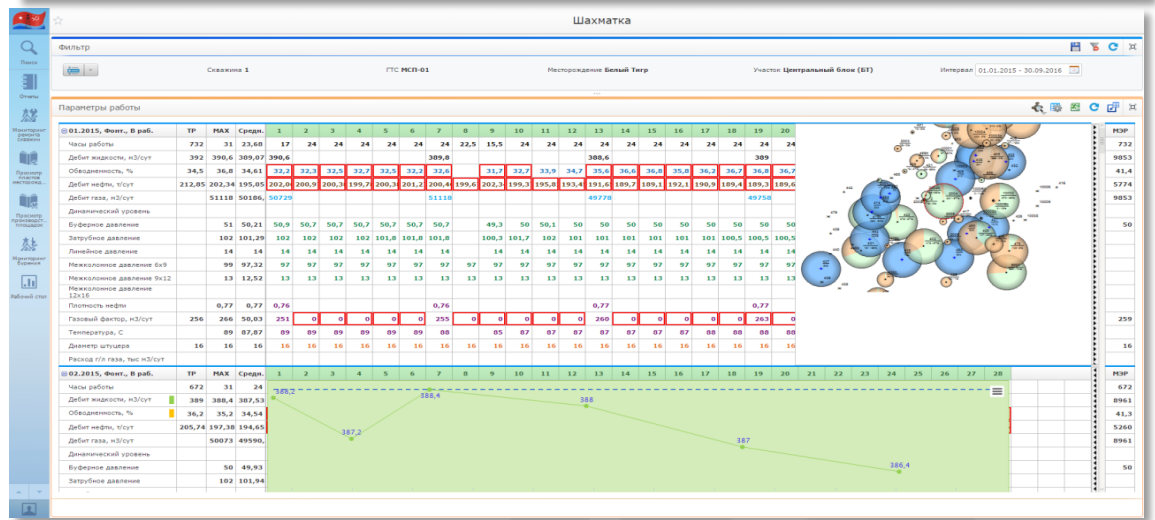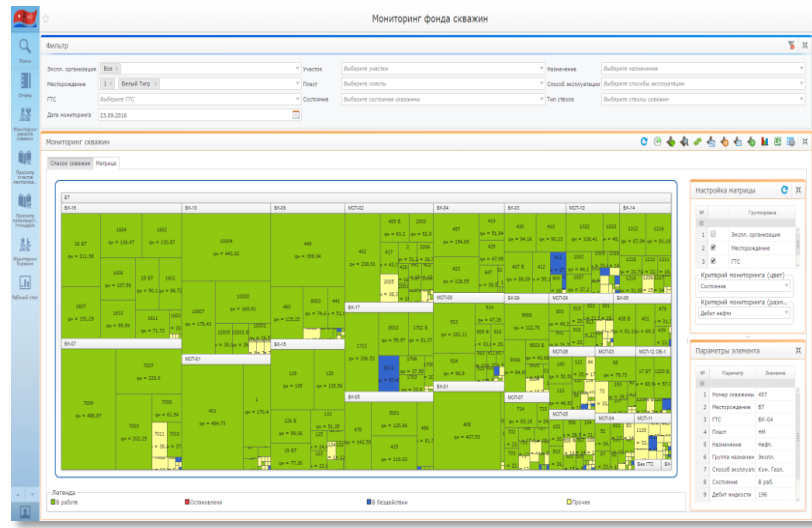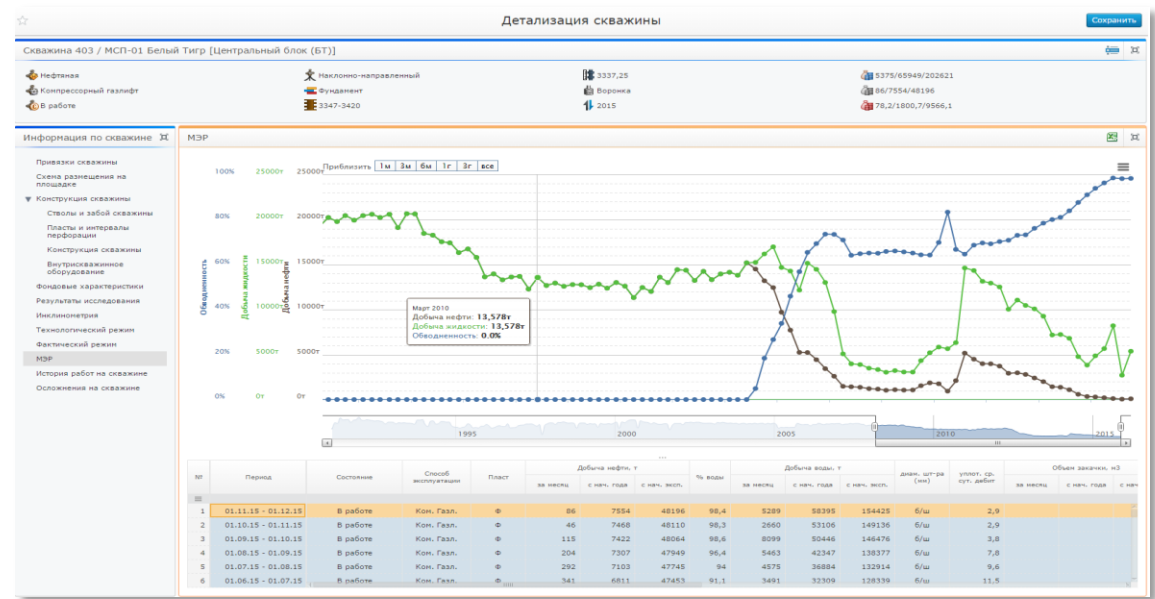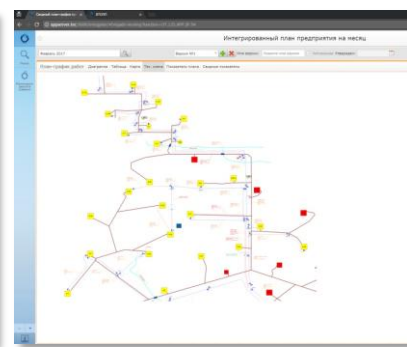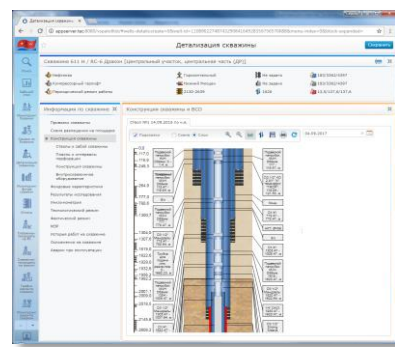
Well Constructing

Supervising

Well Repairs

Crew Movement Schedule

Well Research

Crew Reports

Well Protection

Monitoring of Downtime
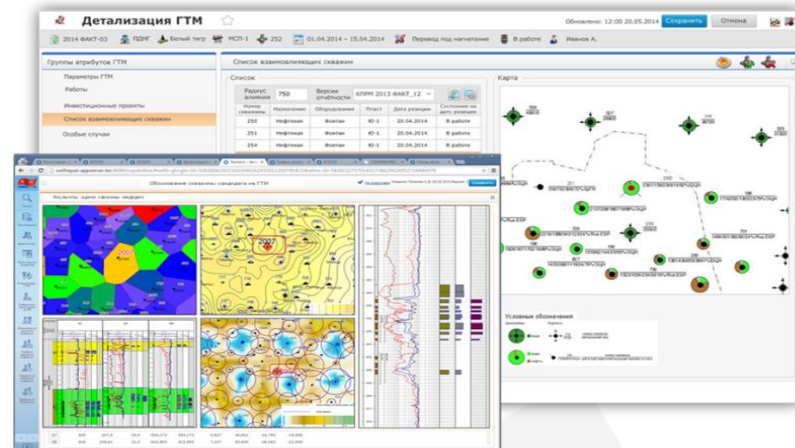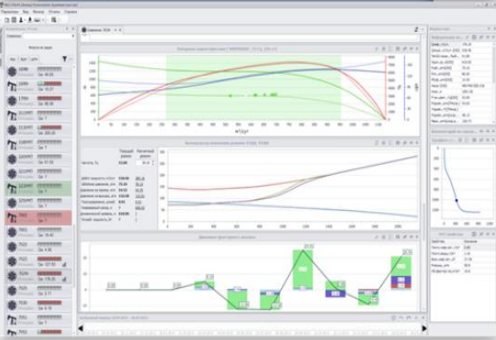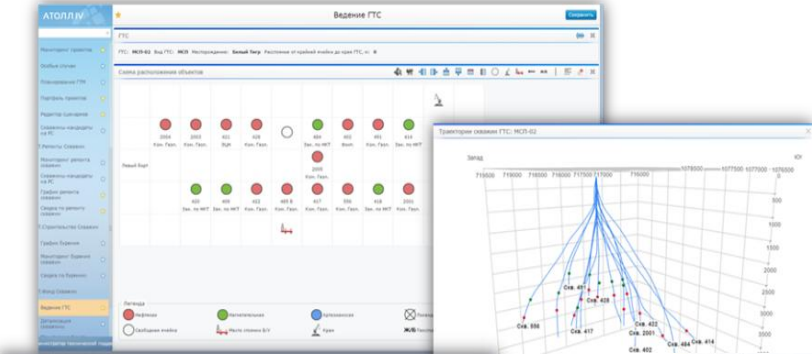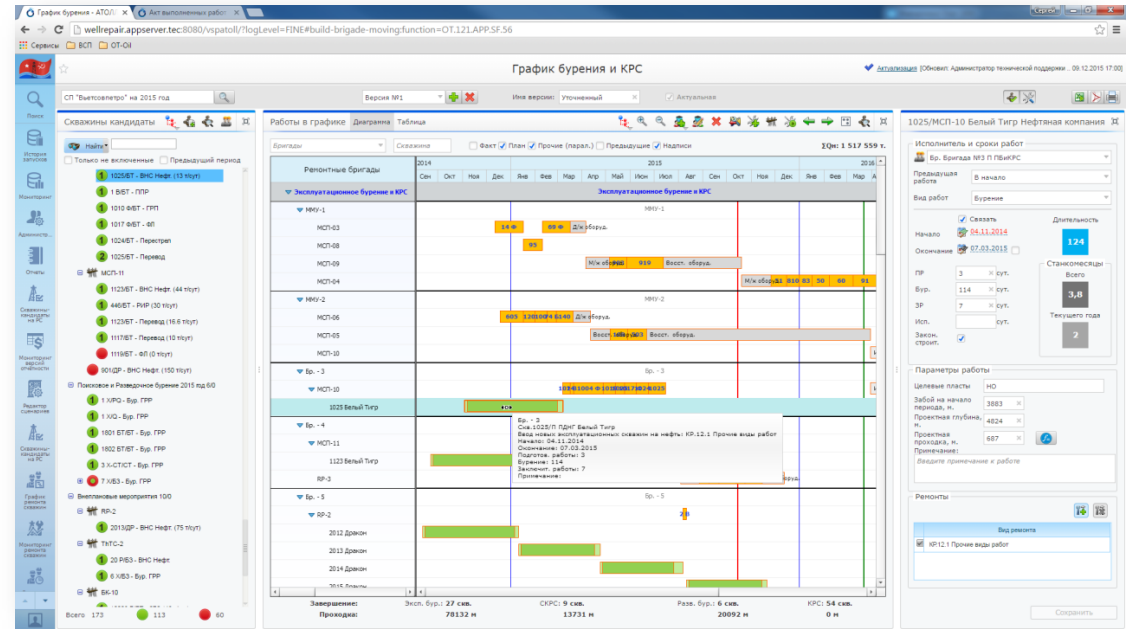
Register of indicators and requirements

Interpolation maps

Results of observations

Forecasting emergency spill

Weather data

Spill response plan
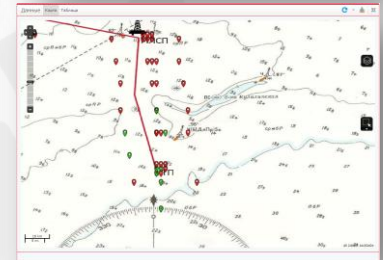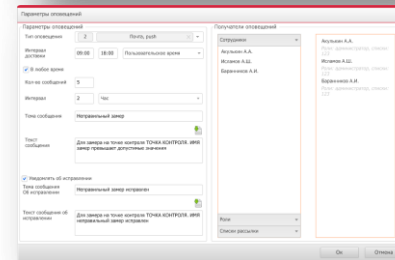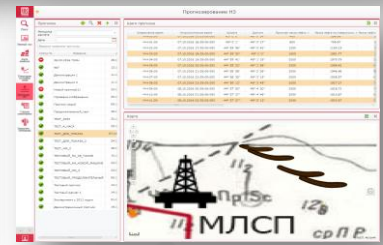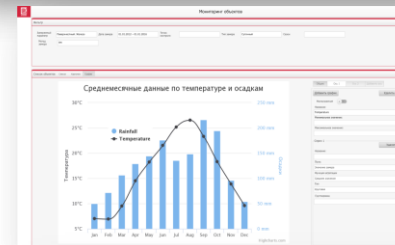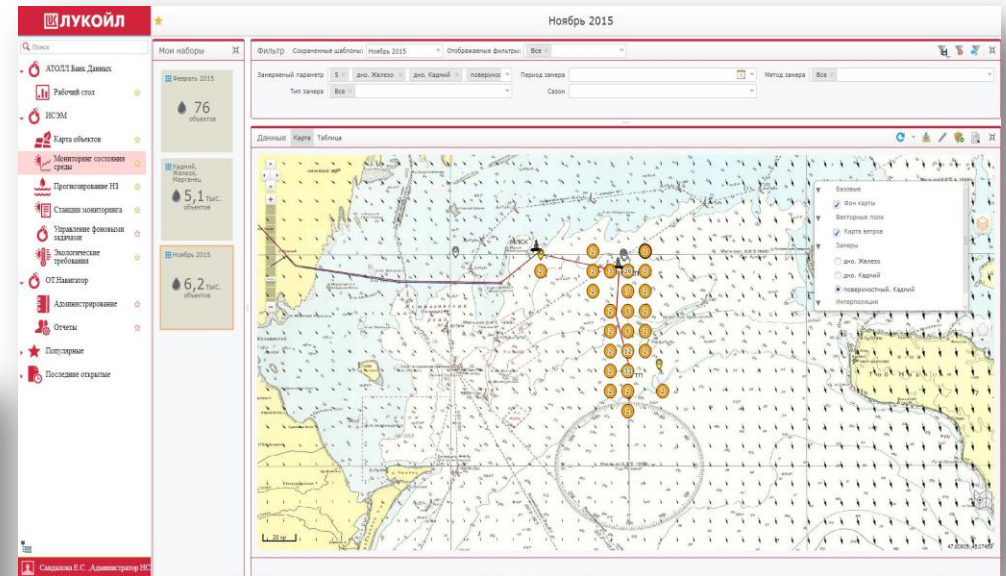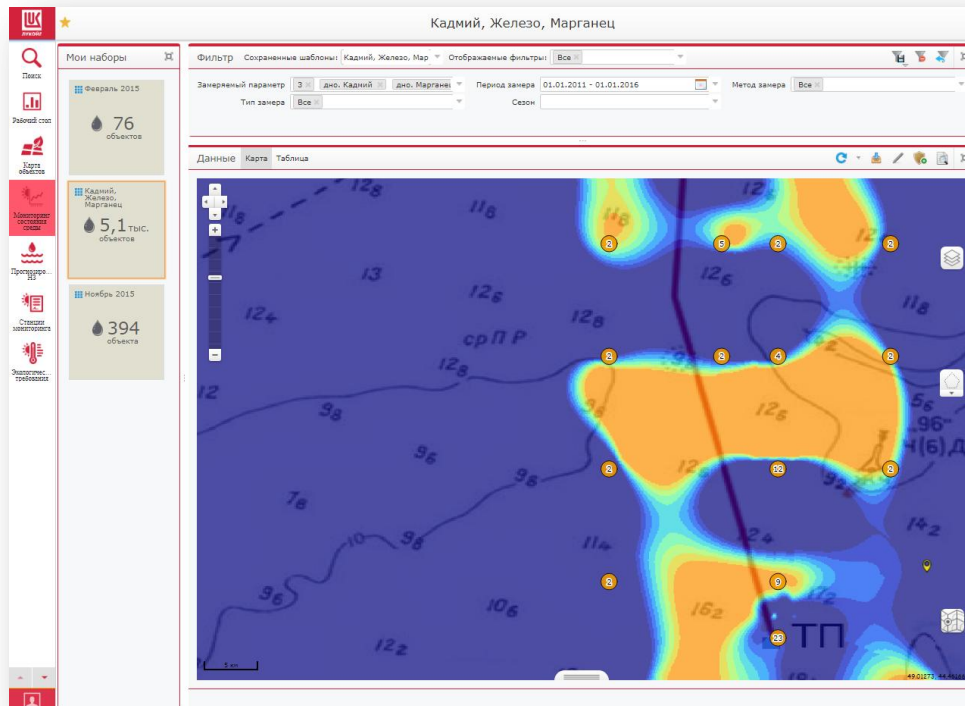
⭐ **Moscow** - central office: management of the Company and business examination of the fuel and energy complex

⭐ **Voronezh** - branch of the company: software design and development

⭐ **Tyumen** - branch of the company: technical support of IT solutions

⭐ **Perm** - representative office: business expertise

⭐ **Vung Tau** (Vietnam) - representative office: software support

⭐ **Astrakhan** - representative office: software support
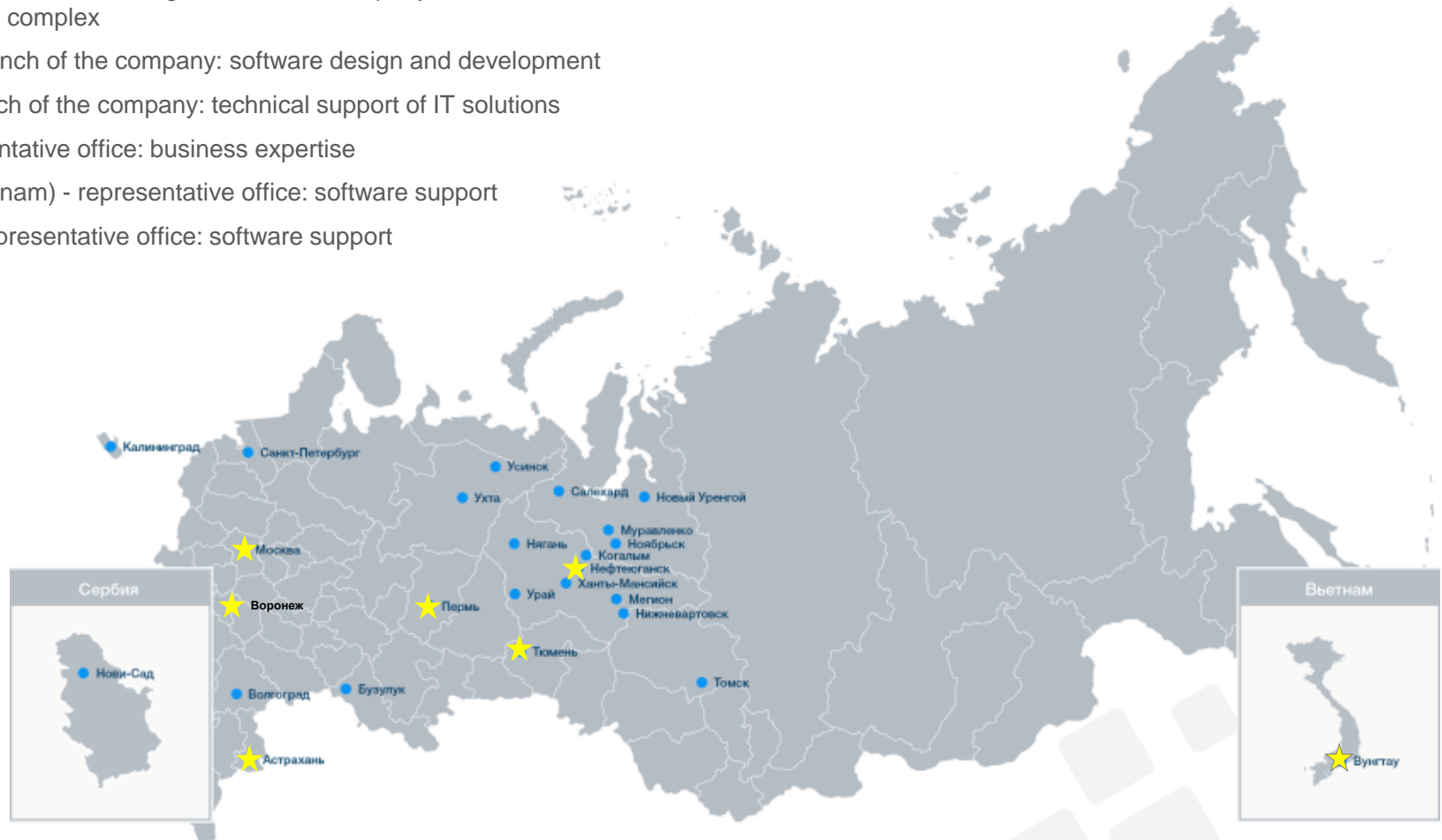
Novi Sad (Serbia) industrial exploitation of the application ATOil WBI Program in Gazpromneft

A. Optimization of Upstream production processes

Business-tasks:

1. Keeping a well stock

2. Forecasting production levels in field development

3. Well construction planning

4. Monitoring and management of well construction processes

5. Monitoring of regulation of development of deposits and formation of the reporting under the investment program

6. Planning and rationing of well repairs

7. Monitoring the performance of well repairs by service teams

8. Acting well repairs

9. Environmental monitoring

10. Process Performance Management

Significant completed projects:

ROSNEFT Planning and monitoring of the implementation of investment projects, calculation of additional production (GTM DB).

GAZPROM NEFT Planning and monitoring of the implementation of investment projects, calculation of additional production (WBI-Invest)

NIS GAZPROM NEFT Planning and monitoring of the implementation of investment projects, calculation of additional production

SlavNeft Planning and monitoring of the implementation of investment projects, calculation of additional production (Program WBI)

ROSNEFT Automation of service control at the well

GAZPROM NEFT Planning, control and accounting of well repairs

СлавНефть Planning, control and accounting of well repairs

LUK Short-term and long-term planning of production levels. (Subsystem «Forecasting»)

LUK Environmental monitoring of oil production on shelf(ISEM)

GAZPROM NEFT Monitoring KPI on mobile devices. (iAnalytics)

LUK Monitoring KPI on mobile devices. (iAnalytics)

VIETSOVPETRO Automation of oil production on the shelf (all ATOLL IV applications)

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B. Consulting services

Business tasks:	Significant completed projects:

Business tasks:

1. Audit and transformation of Upstream processes

2. Master Plan development for optimization of Upstream processes

3. Information System technical design and specifications development

Significant completed projects:

ROSNEFT Conducting research and build a business model for the processes of Oil Production in the Central Office of OJSC ROSNEFT and the extracting subsidiary company RN-Yuganskneftegaz (2006)

LUK Pre-project research of of the Oil and Gas Production Association of the oil company LUKOIL within the project «Digital Oil Field» (2013)

ROSNEFT Development of regulations on business trips of the President of the Company. Development of regulations on internal communications. ROSNEFT Oil Company (2011)

GAZPROM NEFT Research and formation of a map of IT solutions and information flows of GAZPROM's subdivisions. (2010)

VIETSOVPETRO Inspection of the automation level of the divisions of JV VIETSOVPETRO (2012)

VIETSOVPETRO Formation of an information technology development strategy of JV VIETSOVPETRO (2012)

ROSNEFT Development of an IT development strategy for Rosneft for the period 2011-2015.

Development of technical specifications for GIS of the fuel and energy complex. Ministry of Energy (2012)

LUK Sketch and technical design of integration of business processes between the subsystems «Audit of Resources» and «Subsoil Management» of CIS «Exploration, Development and Exploitation of Deposits» and Integrated Management System for Oil and Gas Producing Companies. (2010)

LUK Development of the Project of elements of DOF (2015)

GAZPROM NEFT Designing a conceptual data model for the Exploration and Production Block. (2013)

ROSNEFT Creation of technical assignment and draft design for the information system of the Crisis Management Center. (2014)

GAZPROM NEFT Creation of a technical assignment for the information system "Petrochemical management". (2014)

GAZPROM Designing of informational and managing system of mineral resources and raw materials (2016)

C. Organization of Data Banks and Warehouses

1. Installation of centralized and distributed storage system of production information (field, geological and seismic data)

2. Deploying Electronic Archives

3. Audit of information flows among industrial IS

4. Setting up Integration among production IS

5. Optimization and modernization of existing applications

6. Delivery of ORACLE licenses

7. Performance audit and optimization of IT infrastructure components (servers, communication channels, information systems, applications, etc.)

Deployment of the distributed Data Warehouse of field and geological and geophysical information (2008)

Deployment of a distributed Data Bank of geological models, project documentation, well construction projects, etc. (2010)

Deployment of a distributed Data Bank of geological models, project documentation, well construction projects, etc. (2010)

Deployment of the Data Bank of geological models, project documentation, well construction projects, etc. (2012)

Deploying a distributed Data warehouse for electronic wells (2012)

Deployment of a centralized data warehouse for electronic wells (2014)

Deployment of the Bank of Data of the Wells Fund and GTM (2006)

Deployment of the Bank of Data of the Wells Fund and GTM (2011)

Deployment of the Bank of Data of the Wells Fund and GTM (2014)

Deployment of the Bank of Data of the Wells Fund and GTM (2014)

Deployment of a centralized database of production indicators (2013)

Deployment of the Industry Data Warehouse for Production Indicators of the Fuel and Energy Complex (GIS Data Storage NEFTECONTROL) (2012))

Deployment of Geological Exploration Data Warehouses (2016)

Research and formation of a map of IT solutions and information flows of GAZPROM's divisions (2010)

Integration of Platform ATOLL with customers' software: Finder, OpenWorks, Oil production, OIS, ROXAR ResVIEW, PetroBANK, AWS of exploration and development of deposits, IS CRT, ArcGIS, Consultant+, Merak Peep, RN-Mining, RN-CDS, UIPS etc (…-2017)

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THANK YOU FOR YOUR ATTENTION!

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