



**ingenix
group**

responsible upstream
solutions

Our Experience:
Key Projects Done in 2010-2017

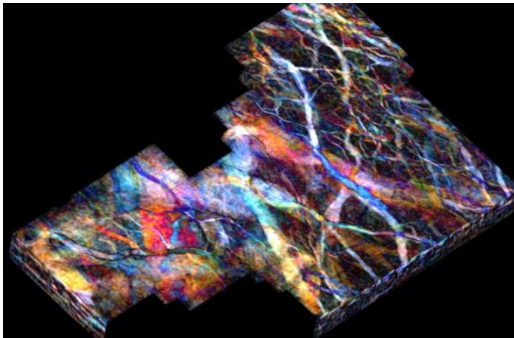


INGENIX GROUP - ABOUT US



6+ years / 120+ projects screened & evaluated in oil&gas upstream in Russia

- Prescreening of assets / Finding attractive targets
- Detailed multi-scenario feasibility studies
- CAPEX/OPEX evaluation using unique patented cost databases



Deep Analysis of Reserves / Development Scenarios

- 2D/3D seismic and well data interpretation
- Geological modeling. Reserves evaluation. Assessment of geological risks
- Reservoir development scenarios



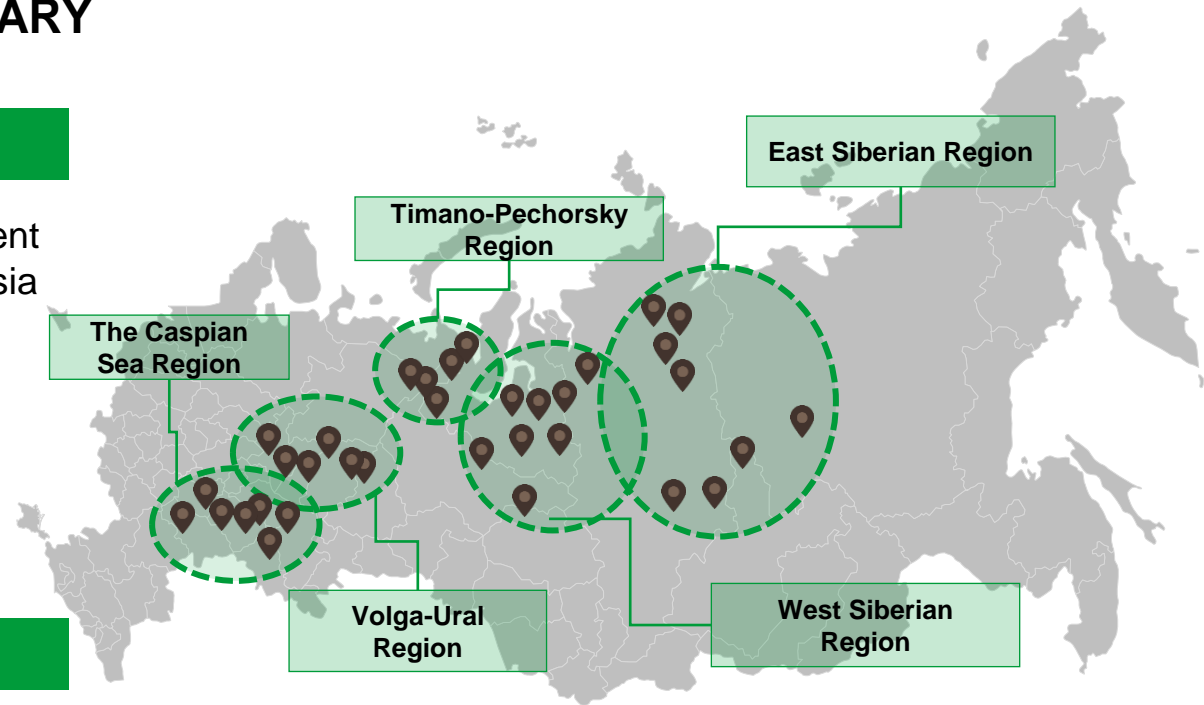
Know-how in Project Evaluation / Cost Engineering

- Own software specially developed by Ingenix Group for screening / feasibility studies including detailed cost evaluation (Ingenix Cost Manager®, Ingenix Cost Evaluator®, Ingenix Cost Viewer®)

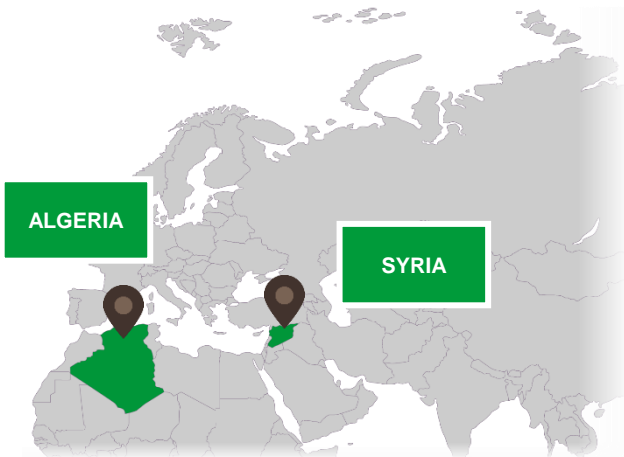
EXPERIENCE: SUMMARY

Russia

Over **120** projects in different oil & gas provinces in Russia



Worldwide



AMONG OUR CLIENTS:



EXPERIENCE: KEY PROJECTS

No	Year	Subject of contract*	Region**
1	2017	Feasibility study of upstream assets (more than 100 development scenarios run to choose a best option for reservoir development)	KhMAO
2	2017	Analysis of seismic and well logging results after introduction of the new field data	YaNAO
3	2016	Evaluation of cost of building the new gas booster station (phase 2)	Sakhalin region
4	2016	DrillEX, Facilites CAPEX and OPEX cost evaluation	YaNAO
5	2016	Инжиниринговые услуги в области оценки объема капитальных, операционных затрат, а также эффективности освоения верхнеюрских и базальных залежей ЛУ Y	KhMAO
6	2016	Технико-экономических соображений перспективности участка недр, расположенного в НАО	NAO
7	2015	Special research of the field seismic data and complex analysis of seismic, geophysical and geological information in productive formations of Tyumen suite and foundation of X field.	West Siberian Petroleum province
8	2015	Preliminary feasibility study of the license blocks' infrastructure development	KhMAO
9	2015	Setting up a development plan based on permanent geological and technological models of productive formations B2 of Bobrikov's horison and B1 of Turneysky horison at X oilfield	Volga-Urals Petroleum province
10	2014	Feasibility study of license block development	Tomsk region
11	2014	Formation of the production program of reconstruction and technical re-equipment of existing treatment facilities and transportation of gas (big gas field)	YaNAO
12	2014	Feasibility study of license block development	Syria
13	2014	Project development of the oilfield exploration	Timano-Pechorsky Petroleum province
14	2013	Integrated seismic data interpretation obtained as a result of geological survey of the subsoil part of the Astrakhan gas condensate field	The Caspian sea Petroleum province

EXPERIENCE: KEY PROJECTS (2)

№	Year	Subject of contract	Region**
15	2013	Cost estimation of technological blocks of the typical oil & gas fields.	KhMAO
16	2013	The development of the economic efficiency section for the concept of using oil, gas, condensate and water produced on oil and gas condensate field	YaNAO
17	2013	The generalization of the results of the exploration works on the license area	Timano-Pechorsky Petroleum province
18	2013	The development of a permanent geological and technological model of the field	Timano-Pechorsky Petroleum province
19	2013	Calculation of reserves and feasibility study of oil recovery. The establishment and monitoring of permanent geological and hydrodynamic models of deposits of Algeria	Algeria
20	2013	Inversion reconversion and seismic facial analysis of materials of 2D seismic exploration on the field X	West Siberian Petroleum province
21	2013	Examination of the results of 3D seismic data interpretation, GIS, three-dimensional geological and hydrodynamic models. Audit of the business plan in terms of project exploration and development of oil deposits in the Permian deposits, and additional exploration of deposits in the Triassic and Devonian oil fields X	Timano-Pechorsky Petroleum province
22	2013	Support of seismic surveys on the license area (field data expertise, interpretation support of data processing)	West Siberian Petroleum province
23	2013	Examination of geological and geophysical information, feasibility study and financial-economic model of the license area development, located in the Krasnoyarsk region	Enisey-Khatangskaya Petroleum province
24	2012	Feasibility study of the exploration and exploitation of the fields and license areas' prospects (including the creation of three-dimensional geological and hydrodynamic models)	West Siberian Petroleum province
25	2012	Current estimation of oil reserves and dissolved gas of achimovsky deposits on the field X	West Siberian Petroleum province
26	2012	Report consolidation on geological results of geological prospecting works on license area at Nadymsky district of YNAO	West Siberian Petroleum province

EXPERIENCE: KEY PROJECTS (3)

№ п/п	Год	Предмет договора	Регион деятельности**
27	2012	Report consolidation on geological results of geological prospecting works at Purovsky district of YNAO	West Siberian Petroleum province
28	2012	Interpretation of 3D seismic data on the license area X	Timano-Pechorsky Petroleum province
29	2012	Inversion reconversion and seismic facial analysis of materials of 3D seismic exploration	Algeria
30	2012	Structural interpretation, paleotectonic analysis and seismogeological models development based on 2D/3D seismic data and production logging data on the territory of the license block	Algeria
31	2012	Assessment of fields' and structures' development on the license area	West Siberian Petroleum province
32	2011	Examination of the results of 3D seismic data interpretation, production logging data, three-dimensional geological and hydrodynamic models.	West Siberian Petroleum province
33	2011	Structural and dynamic interpretation of 2D seismic data and production logging data, development of three-dimensional geological model of the Achimov deposits of the bundles on the territory of the license area	West Siberian Petroleum province
34	2011	Structural and dynamic interpretation of 3D seismic data and production logging data, development of three-dimensional geological model of sediments of Ordovician ages on the territory of the fields X & Y	Algeria
35	2010	Complex 2D seismic data interpretation and production logging data within license area (deposits of Jurassic age)	West Siberian Petroleum province

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