



**SMART OILFIELD
TECHNOLOGY
CATALOGUE**

2018

EXPLORING THE VISION



ABOUT



ENEGROW IS UNIQUE BUSINESS, TECHNOLOGY AND SERVICE PLATFORM THAT COMMERCIALISING FOREMOST SCIENTISTS AND MANUFACTURERS TO THE GLOBAL PETROLEUM MARKET



Enegrow is a company for the development, promotion and operation of smart cutting-edge technologies in petroleum industry. Enegrow builds up a powerful and efficient cooperation between science and industry, investing in R & D and product/service marketing, providing sales, project management, finance and after-sales support.



ONLY STARS

We work only with the innovative, reliable, efficient and break-through technologies. Any product, you choose from our portfolio, is the best one in its category in the market. Combination of our technologies ensures unsurpassed business efficiency.



COOPERATION AND INTEGRATION

Science needs a strong business support, starting from product demand, finance, production and sales development, global market access. We know how to put together resources, technologies and products, promote innovations through cooperation and integration.



GLOBAL SCALE

Global market access is a valuable part of the business. By investing resources into smart technologies Enegrow provides a vast access to the international market. We are an efficient business platform linking foremost technologies to global petroleum and finance markets.

EXPERTISE



CHEMICALS

Customized Solutions & Supply

We are pleased to offer you Chemical Products, the leading worldwide solutions related to EOR, wax and scale removals in wells and pipelines, best products for drilling operations and unique hydrogen sulfide and mercaptan (thiol) scavengers for oil distillates, gas condensate and crude oil. All our chemical solutions are applicable for treating a large number of fluids, including hydrocarbons, water, combination of liquid and gaseous phases, etc. Our products were invented and developed by the leading scientists from universities and innovation clusters.

TECHNOLOGY

Smart and Integrated

Energrow represents a number of technologies with high efficiency and unique features in their segment. The main target is to integrate, combine and adapt technologies to very specific tasks and projects. We develop leading-edge products and provide oil operators with proven, innovative solutions. The product line has been designed to specifically address concerns about production efficiency, capital costs and other critical issues existing in oilfields, including the quality of oil and high water cut.

SERVICE

Consultancy, Training, Operation

We offer to our clients specific services based on innovative and smart technologies. Energrow cooperates with advanced international teams in the petroleum sector to share the experience and utilize knowledge for the success of our clients. Energrow pays additional attention to the reservoir management, flow intensification, the green technologies, the water management, operations security, risk control and management. Some of the services we provide in cooperation with our local partners around the world.

ACTIVITIES



MARKETING

The product shall comply with the international standards and be tailored to local culture and level of professional knowledge in every country where we offer it. Promoting products in a proper way is a challenging and very exciting part of our business.



TECHNOLOGY PILOTING

We have developed a special in-house process to take technology to the new markets. This process includes technology risk analysis, riskless implementation and adaptation for a new environment. In some cases we offer our clients preliminary or pilot projects.



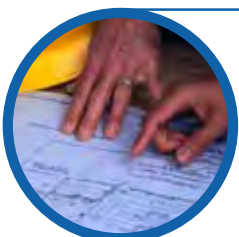
SALES

Sales activities include contracting, export and import operations, special permissions and after sales support and services. Enegrow manages own partnership and dealership networks to support sales globally.



SERVICE

Enegrow is not only a product supplier but a high-class service provider. Our services include but not limited to design and engineering, process modelling and laboratory tests, field supervision and operations, training and client support.



PROJECT MANAGEMENT

Managing international projects is our expertise. Enegrow utilizes best resources and implements best practices to manage from small to large-scale projects globally. Our project management often includes technology adaptation and piloting, risk management and additional multitask service.

INNOVATIONS



RESEARCH AND DEVELOPMENT

Enegrow is a modern dynamic business platform for the development of new technologies. We cooperate and work with many laboratories, scientific centers and universities. R & D is an important part for our business that we always look at and support through corporate, national and international networking.



TECHNOLOGY TRANSFER AND TRAINING

We share expertise, knowledge, innovations, solutions, methods, resources to ensure that scientific and technological developments are accessible to global market. Technology transfer is one of the major parts of our business.



EXPERTISE AND CONSULTANCY

We are proud of our team - professionals with the very high level of expertise and business approach in technology and global networking. Our community of international experts is a great value we have worked on for many years.



ASSETS FEASIBILITY STUDY & ANALYTICS



Oil and gas exploration is highly critical activity. It is risky and even after confirmation of hydro-carbons it is still crucial to perform adequate assessment to ascertain whether a discovery is commercially attractive.

Our services span the breadth of consultation and field services, from frontier exploration to mature field revitalization. Tailored services deliver exact and more accurate license and hydrocarbon field data for a purchase and exploration risk reduction.

Our Oil & Gas Feasibility Studies typically involve:

- Establishing scope, objectives and terms of reference for the study
- Developing a study basis, including oil & gas development data, well site PVT data analysis
- Review of subsurface exploration results
- Performance of geology, reservoir engineering and production engineering
- Consideration of EOR techniques, e.g.: water injection, steam injection, gas lift etc.
- Establishment of base drainage scenarios and production profiles
- Performance of development engineering
- Production facilities definition and separation facilities definition
- HSE screening
- Oil and gas risk assessment
- Development schedule
- CAPEX, OPEX and oil and gas economics
- Recommendations



RESERVOIR CHARACTERIZATION



The better you understand your reservoir, the better positioned you are to optimize its lifetime performance. We aim to deliver for our clients a better understanding of reservoir rocks and fluids through accurate measurements and characterization delivered by our tools, services and petrotechnical expertise.

We acquire, process, analyze and manage all forms of available field data to provide our customers with the exact information. We help our clients to make the right purchase and operational decisions by offering additional services to characterize reservoirs, estimate reserves, optimize production and increase ultimate recovery.



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- **DATA PROCESSING AND INTERPRETATION SERVICES**

 - **HELIUM SURVEY & WELL MONITORING FOR OPTIMIZATION**

 - **MT SOUNDING SURVEY**

 - **ISOTOPIC FLUID INJECTION TRACING**

 - **PETROPHYSICS BASED WIRELINE SERVICES**

 - **HYDRO-DYNAMIC MODELING**

 - **HYBRID INTELLIGENT SYSTEMS FOR OIL FIELD DEVELOPMENT**

 - **INTELLIGENT RESERVOIR MANAGEMENT WITH DECISION SUPPORT SYSTEM**

MATURE FIELDS



PRODUCERS / FLOW STIMULATION

- ULTRASONIC STIMULATION
- SEISMIC IMPULSE STIMULATION
- THERMO-CHEMICAL STIMULATION
- SURFACTANT FLASHING/STIMULATION
- ULTRA-FLOW CHEMICAL STIMULATION
- ADVANCED ACID STIMULATION
- COMPLEX HYDROGEN STIMULATION TECHNOLOGY
- SIDETRACKING: RADIAL CANALS SIDE DRILLING
- FRACTURING: FLOW BACK ADDITIVE FOR FRACTION
- FRACTURING: HIGH STRENGTH PROPANT

PRODUCT

WELLHORN

T-SEISMO

THERMALBEAST

FLOW CURE

NANO FLOW

FLOW CURE

P-BOOST

PERFOBUR

PRODUCT LINE

PRODUCT LINE

INJECTORS / FLOW STIMULATION

- H2S REMOVAL
- CHEMICAL INJECTION FOR FLOW RATE INCREASE
- SEISMIC IMPULSE STIMULATION
- ADVANCED ACID STIMULATION

THIONOL

NANO FLOW

T-SEISMO

FLOW CURE

ARTIFICIAL LIFT

- ULTRA LONG STROKE HYDRAULIC ROD PUMPS
- PUMP AUTOMATION, REMOTE CONTROL & FLOW OPTIMIZATION
- PUMPS FOR HEAVY OIL PRODUCTION

ULS-NG

ULS-NG

ULS-NG

PRODUCTS & SOLUTIONS

ASPHALTINE/WAX REMOVAL (TUBING)

- THERMO-CHEMICAL CAPSULES
- HOT SURFACTANT FLASHING

PRODUCT

THERMALBEAST

FLOW CURE

SCALE REMOVAL (TUBING)

- CHEMICAL FLASHING

FLOW CURE



WATER MANAGEMENT

- ONSITE FREE WATER KNOCKOUT SEPARATOR
- WATER SHUT-OFF CHEMICALS
- POLYMERS
- ISOTOPIC FLUID INJECTION TRACING
- HYDRO-DYNAMIC MODELING

MODEL X

PRODUCT LINE

PRODUCT LINE

GREEN LAB

GREEN LAB

PROCESSING & SEPARATION



SEPARATORS AND WATER TREATMENT

PRODUCT

- FREE WATER KNOCKOUT SEPARATOR
- WATER TREATMENT
- BACTERIAL OIL IN WATER DECONTAMINATION
- ONSITE SOLIDS REMOVAL
- NEUTRALIZATION OF BIOLOGICALLY ACTIVE AGENTS

MODEL X

PRODUCT LINE

ENS-BIO

FENNO

FENNO



PIPELINE

- H₂S AND MERCAPTANE REMOVAL
- SCALE AND WAX REMOVAL
- TOTAL ACID NUMBER CONTROL

THIONOL

FLOW CURE

PRODUCT LINE

STORAGE TANKS

- BACTERIAL SLUDGE REMOVAL
- SLUDGE: CENTRIFUGAL OIL EXTRACTION
- H₂S AND MERCAPTANE REMOVAL
- TANK CLENNING AUTOMATED NON-MAN-ENTRY TECHNOLOGY

ENS-BIO

REEF

THIONOL

REEF

ENVIRONMENT & SAFETY



OIL SPILLS (SOIL)

- BACTERIAL IN-SITU SOIL REMEDIATION

- CENTRIFUGAL OIL EXTRACTION

OIL SPILLS (WATER)

- BACTERIAL DECONTAMINATION

- CENTRIFUGAL TREATMENT

DRILLING WASTE, SLUDGE/EMULSION

- BACTERIAL DECONTAMINATION

- CENTRIFUGAL OIL EXTRACTION

- GEOPOLYMER: WASTE NEUTRALIZATION

WATER RECYCLING AND FINAL TREATMENT

- BACTERIAL

- MECHANICAL

- CHEMICAL

PRODUCT

ENS-BIO

REEF

ENS-BIO

REEF

ENS-BIO

REEF

GEXOCON

ENS-BIO AND MORE

FENNO AND MORE

THIONOL AND MORE

