

**Proven Oil Production Enhancement Technologies backed by Global Experience, Expertise and Excellence in the Successful Implementations of EOR Pilot and Full-Scale (i.e.: Steamflood, Chemical EOR Injection, CO<sub>2</sub> Flooding) at the World's Most Challenging Yet Prolific Mature Oilfields.**

ENERPROGROUP ("ENERPRO") is an enhanced oil & energy production technology and integrated chemicals' services company. ENERPRO offers strategic approach development for onshore and offshore oil & gas fields around the world (from exploration to appraisal to production to restoration), advanced sub-surface/fracture diagnostics and managed upstream oilfield services for the Enhanced Oil Recovery (EOR) project design and implementation. At present, we have pervasive ecosystems (under agreements) with chemical manufacturers of Chemical EOR cocktails and solutions.

ENERPRO's guiding purpose is to help our oil & gas client-operator sustain profitable growth. In fact, we have been leading the "One-Team" to assist them in their pursuit of tertiary oil recovery strategies and actionable EOR full-field implementations. We do this by focusing on the commercial implementation of advanced EOR technologies worldwide, amplifying production, increasing proven development reserves, reducing water cut and ultimately helping our clients achieve maximum Return On Invested Capital.

With over one billion barrels of discovered oil still in the ground, ENERPRO leverages our oilfield-tested expertise in subsurface analyses and low-cost structure to unlock types of reservoirs deep beneath the country's historic, oil-rich landscape. We are focused on increasing oil recovery from existing mature oilfields by utilizing the proven American ingenuity in EOR technologies (i.e.: Alkaline/Surfactant/Polymer) and innovation (i.e.: fully-customizable chemical cocktails) to decipher each reservoir's unique geologic and chemical make-up, thereby de-risking the plan of re-development and improving clients' marginal potential to maximum profit. Our ASP technology is proven to bring substantial reduction of environmental damage and reduction of additionally generated waste per tons of incremental crude oil production. We comply with the net zero emissions target through reduction of carbon dioxide (CO<sub>2</sub>) emissions per barrel of crude oil by approximately 3-7 times.

Today, our regional head offices (Jakarta, Houston and Beijing) have in-house teams of global EOR experts and Geology-Geophysics-Reservoir-Production-Facilities (GGRPF) engineers. We are relentlessly committed to serving oil & gas client-operators and the communities with the highest ethical standards and genuine regard for corporate social responsibility.

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## Partnership of The “World’s EOR Experts”

ENERPROGROUP has forged strategic partnerships with Ultimate EOR Services (“UEORS”; a commercial spin-off of the Petroleum Engineering R&D Department of The University of Texas at Austin, U.S.A.), ResMetrics (a Pan-American leader in advanced tracer diagnostics) and specialty chemical suppliers to deliver an integrated excellence in different combinations – from chemical solutions and oilfield applications of CEOR flooding technology to custom cocktails formulation (chemical synthesis and molecular modelling) to chemical tracers and blending facilities:

- ▶ We bring the highest-performing EOR and GGRPF teams, working in inclusive, geographically borderless teams to bring diverse and proven technical EOR perspectives and move quickly to actions and quantifiable results.
- ▶ Our Team speaks English, Spanish, Indonesian, Arabic, Farsi, Hindi, Chinese and Japanese.
- ▶ We strive to bring exceptional client service by being technically responsive and insightful, sharing our knowledge and globally-proven EOR experiences, expertise and excellence.

Building trust, delivering cutting-edge EOR innovations and enriching relationships are our mindset and culture. This is what differentiates ENERPROGROUP in the world and is how we help our oil & gas clients-operators increase recovery factor and achieve sustained profitable growth.



## Our Strategy

Our strategy in Chemical EOR (“CEOR”) is to create the custom chemical cocktails’ solutions (of high purity and low cost) for revitalizing oil production in mature and pressure-depleted oilfields worldwide.

At present, we remain the global leader at the forefront of EOR technologies (in pilot/full-fields implementation in our chosen markets) to solve even the client’s most difficult reservoir challenges.

ENERPROGROUP’s reservoir success in EOR is based on bringing to the table the sub-/surface capabilities that surround the incremental recovery processes – technical capabilities in reservoir characterization, flood-front monitoring, expert interpretation, advanced modelling and management, field development planning (FDP) and the management of surface facilities and their interconnections.

## Our Integrated Services

### ADVANCED RESERVOIR ENGINEERING

- ▶ EOR Field Design and Evaluation
- ▶ EOR Screening Studies
- ▶ Risk Management and Uncertainty Analysis
- ▶ Reservoir Evaluation
- ▶ Reservoir Performance Monitoring
- ▶ EOR Field History Matching

### TRACER DIAGNOSTICS (SINGLE WELL & INTER WELL)

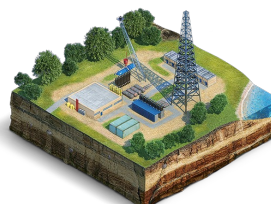
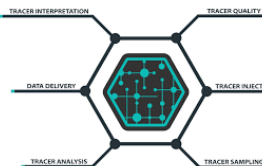
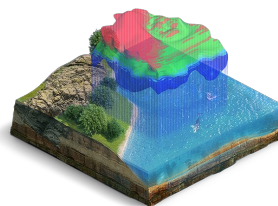
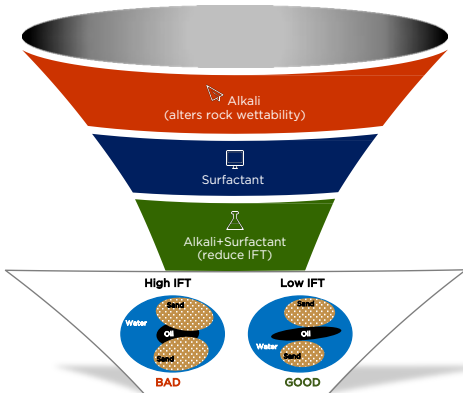
- ▶ Tracer Screening and Calibration
- ▶ Tracer Injection Automatic Flow-Metering
- ▶ iPhone/Android Sampling App
- ▶ High Performance Analytical Lab
- ▶ PetroXY Web App for Tracer Data Interpretation
- ▶ Cloud Data Delivery

### PILOT DESIGN

- ▶ Pilot Project Design
- ▶ Zone Selection
- ▶ Detailed Injection Scheme
- ▶ Performance Metrics and Troubleshooting
- ▶ Evaluation of General Pilot Approach
- ▶ Data Collection/Sampling

### FIELD SUPPORT

- ▶ EOR Facility Design and Evaluation
- ▶ Quality Control and On-Site Testing
- ▶ CEOR Procurement
- ▶ CEOR Solutions Aggregator and Logistics
- ▶ Fluid Separation and Emulsion Handling



## Why We Are the only “PROVEN EOR LEADER”?

- ▶ Partnered with UEORS, ResMetrics and global CEOR manufacturers (undisclosed) to provide integrated services from EOR Lab, Chemical Tracers, Subsurface Analysis and supplies of custom C-EOR cocktails’ in Five (5) EOR Pilot/Full-Scale;

Indonesia	India	Kuwait	U.A.E.	UK
<b>MINAS (ROKAN PSC)</b> • PT. Chevron Pacific Indonesia • 2013 ASP Pilot • Est. Recovery: <b>-20% from OOI</b> • Giant SANDSTONE Reservoir.	<b>MANGGALA</b> • Cairn Oil & Gas (Vedanta Ltd.) • 2014 ASP Pilot • Est. Recovery: <b>-25% from OOI</b> • Super Giant SANDSTONE Reservoir.	<b>SABRIYAH MAUDDUD</b> • Kuwait Oil Co. • 2017-8 ASP Pilot • Est. Recovery: <b>-18% from OOI</b> • Giant CARBONATE Reservoir.	<b>OFFSHORE “ZARKUM”</b> • Abu Dhabi Mervar Operating Co. • 2015 ASP Pilot • Est. Recovery: <b>-22% from OOI</b> • Super Giant CARBONATE Reservoir.	<b>CAPTAIN FIELD NORTH SEA</b> • Chevron UK North Sea Ltd. • 2017 Polymer/ASP Pilots • Est. Recovery: <b>-16% from OOI</b> • Giant CARBONATE Reservoir.

- ▶ A catalyst for the step-change in bespoke oil production recovery;
- ▶ Faster, safer and more effective development (included custom cocktails’ formulations, i.e.: chemical synthesis and molecular blending);
- ▶ Proven and cost-effective EOR technologies and solutions (of high purity + high powered + low cost) and better risk control;
- ▶ Rapid EOR deployments at Scale and Economies of Speed.

