# **EOR Training & Strategic Support**

### Polymer Flooding, Conformance & Water Shut-Off Solutions



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### Your challenges – Our mission

Water cut rising? Pilot stalled? Teams unsure how to move forward?

You're not alone. Most operators struggle with conformance and polymer strategies in complex fields.

That's where we come in — with experience, clarity, and practical tools to support your decision-making.



# What we offer - 3 services

Service	Goal	Format	Fee
Technical Audit	Diagnose & design EOR strategy	2–5 days + report	€4,000–9,000
Enterprise Training	Build internal capacity	1 day or hybrid	€1,500-4,000
<b>Project Mentoring</b>	Strategic guidance	5–15h/month	€1,500– 3,000/month

### Why work with us

- ✓ 15+ years in CEOR (SNF, global missions)
- 10+ polymer projects designed
- Track record in Kazakhstan, Russia, Argentina...
- Blend of tech, field, science, and human skills
- Trusted by CAPSA, MOL, ONGC, PanAmerican...

### What you get – Outcomes

- A clear strategy to move forward
- Smarter use of your internal data & teams
- Fewer mistakes, faster implementation, better performance



# Formats & delivery

• Online (Teams, Zoom)

• On-site (worldwide)

English or French

• Customizable based on your needs

Deliverant Bonus : access to online academy content

### How to start

- Contact me
- We schedule a 30-min discovery call
- You receive a tailored proposal
- We deliver value within 10 days



### **Contact us!**

### Antoine THOMAS – CEO antoinethom@eppok.org admin@polymer-flooding.com





### **Reviews on training**

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### Pan American ENERGY

Dr. Marat Sagyndikov • 1st Head of Enhanced Oil Recovery Service - Kazmunaigas Engineering Ka...

During the preceding week, I engaged in an instructive training program led by Antoine THOMAS, which comprehensively addressed reservoir conformance and water shut-off methodologies. Prior to this course, I maintained skepticism towards the efficacy of conformance treatments and water shut-off strategies, subscribing exclusively to the belief that polymer floods held the sole solution to rectifying conformance challenges. However, following the acquisition of fresh knowledge and insights, our forthcoming endeavors will entail the pursuit of enhancements within our mature oil fields. We extend our sincere gratitude to our esteemed mentor, Antoine THOMAS, for his invaluable guidance.

In conclusion, I wholeheartedly endorse this course to fellow oil field engineers, as it equips participants with essential insights and tools for optimizing reservoir performance.





Matías M. Raimundo • 1st HR Business Learning 8mo •••

Antoine, it was an honor to support you in delivering this exceptional training activity. Thanks for your expertise and passion for the subject matter. The participants' overwhelmingly positive feedback is a testament to your impact!



Anton Charushin • 1st Technical Manager - Coiled Tubing & Stimulation at NESR 10mo • 🕲

As the major world's oilfields aging, excessive water production became a common problem. The good news that this issue can be mitigated relying on systematic and consistent engineering approach.

Kudos to Antoine THOMAS who has delivered comprehensive water shutoff and conformance control course. The course dives into aspects of water problem diagnostics, approaches to tackle different water problems, treatment selection, design and recipe selection.

With broad experience across multiple countries and perfect teaching skills of Antoine, I highly recommend all my network connections who are interested to learn WSO & conformance control to reach him out and benefit of well packed insightful course.





### Testimonials

Antoine is a well-renowned business development manager who has always believed in the significant potential of chemical EOR technologies. Besides delivering outstanding results in the global business environment as an efficient negotiator, Antoine has also proven to be a visionary who is able to deeply discover client needs and find the best solution for their industrial challenges.

Antoine possesses a unique combination of all the skills and knowledge of a business manager and a reservoir engineer, which – combined with his talent and extraordinary global experience – makes his courses or interventions valuable and enjoyable pieces of work for everyone involved in the international innovation ecosystem.

#### Jozsef Goldfarth – Managing Director MVM Upstream

### Testimonials

I had a great chance to work with Antoine during the implementation of the polymer flooding pilot in Russia. He is an expert in chemical EOR, especially in polymer flooding. His deep knowledge of theoretical fundamentals is supplemented by worldwide practical experience, which in combination brings high value. Moreover, Antoine is in touch with the global engineering society and keeps up to date latest updates and shares it with a great will. He is a very open-minded, trustworthy, reliable person, and is always willing to help. I would recommend everyone to work and deal with Antoine!

Dr. Ilnur Ilyasov, ADNOC

### Some of our customers

















### **On the web: training courses & more!**

#### Website: Polymer Flooding Home v The Polymer News Industry v Knowledge v Products v Consulting Services Forum Contact Academ **Polymer Flooding Academy** The knowledge essentials of polymer flooding technique gathered in one place to foster learning and sound field implementation News, publications, videos, downloads & more **Polymer Flooding** Polymer Flooding Academy @polymerfloodingacademy · 87 abonnés · 10 vidéos The Polymer Flooding Guide provides the latest insights on Chemical EOR, publications, and industry best practices he knowledge essentials of polymer flooding technique gathered in one place to foster le ...plus ymer-flooding.com et 1 autre lien News, publications, videos, downloads & more **Featured products** Personnaliser la chaîne Gérer les vidéos Polymer Flooding - from A to Z If you would like to learn everything about Polymer Flooding, Chemical EOR, Conformance, Water Shut-Off, this series of videos, Accueil Vidéos Playlists Posts 📿 courses and documents is for you! Pour yous an of cEOR for P/SP/ASI **Basic Economics of Chemical EOR** It depends on your baseling Practical Training courses Industry spreadsheet Typical + Polymer costs (\$/kg) - powder - basi knowledge knowledge A place to learn the Download • 7 files ABC DEF Hands-on experience The main stakeholders & essentials at your own Gain a clear and structured approach to evaluating the economic feasibility of their capabilities lab procedures, field 65 \$ 70.16 \$ polymer flooding and other chemical EOR methods with this three-sheet cases spreadsheet. It provides a basic yet accurate estimate of total costs, helping you rank candidate projects, build stronger scenarios, and make informed The Excel Or Routine Podcast with Randy Serioht decisions about implementation. The Polymer Flooding Academy - Knowledg Part 1: introduction sharing session: an introduction to injectivit Part 2: Injectivity 1 vues • il y a 6 mois 294 vues • il v a 6 moi 129 vues • il v a 6 mois 1,4 3,067 Shg The Polymer Flooding Academy - a tour of the web Vidéos **Polyacrylamides - Markets & Technology** with a Focus on Enhanced Oil Recovery **Polvacrylamides** Polymer flooding Course + 19 Lessons 1:36:17 Markets & Technology with a focus on EOR Discover the world of polyacrylamides with this practical course focusing on markets, stakeholders, and Enhanced Oil Recovery (EOR), Learn about raw he Fxcel Or Ro materials, polymer flooding benefits, implementation workflows, and cost-saving techniques. Ideal for beginners, market researchers and professionals

https://polymer-flooding.com/

**Polymer Flooding Academy (courses & more)** 

#### YouTube channel: podcasts & more



https://www.youtube.com/@polymerfloodingacademy

#### 7/1/2025

https://academy.polymer-flooding.com/

# **Training course – polymer flooding**

- **Chapter 1:** Introduction the rising relevance of EOR
- **Chapter 2:** Oil recovery mechanisms a reminder
- Chapter 3: Polymer Flooding practical overview and benefits
- **Chapter 4:** Polymer Flooding the mechanisms
- Chapter 5: Applicability
- Chapter 6: Essential Know-Hows
- Chapter 6: Field and reservoir screening
- Chapter 8: Laboratory testing
- Chapter 9: Simulation
- Chapter 10: Facilities & QC
- Chapter 11: Monitoring
- Chapter 12: Reservoir responses
- Chapter 13: Basic economics
- **Chapter 14:** Water treatment and production challenges
- Chapter 15: Field cases

In-person/remote

2 days for basics

3-4 days for advanced + work on your data

### **Training course – Water shutoff & conformance**

- Chapter 1: Introduction
- Chapter 2: Definitions & Reservoir
- Chapter 3: Strategy to Attack Excess Water
- Chapter 4: Problems
- Chapter 5: Flow Regime
- Chapter 6: Technologies
  - Gels
  - RPM / DPR
  - PPG
  - Microgels and Nanogels
- Chapter 7: Placement of Gels
- Chapter 8: Gel in Fractures
- Chapter 9: Field Implementation & Case Studies
- Chapter 10: Summary Overall



### **Publications (1/3)**

- Thomas A., Breaking the Mold: Reassessing Polymer Flooding and the Outdated 'Primary, Secondary, Tertiary' Model. To be published at EAGE IOR+, Edinburg, April 2025.
- Thomas A. Tnacheri N., Lhommet L., Raina S., Mattu L., 2023. Accelerating exploration for hydrocarbons using a novel. 14<sup>th</sup> biannual SPG conference and exhibition, Kochi, India. November 3<sup>rd</sup>.
- Thomas A. Revisiting Polymer Selection Workflow for Chemical Enhanced Oil Recovery, 2023. <u>IOR+ 2023</u>, Oct 2023, Volume 2023, p.1 32, The Hague, The Netherlands, October 1<sup>st</sup>. <u>https://doi.org/10.3997/2214-4609.202331012</u>
- Thomas A., Lhommet L., 2023. How good is your seismic? A genetic algorithm to kickstart evaluation of CCS candidates.
  <u>84th EAGE Annual Conference & Exhibition</u>, Jun 2023, Volume 2023, p.1 5. doi: <u>https://doi.org/10.3997/2214-4609.202310522</u>
- Thomas A., 2022. A pragmatic approach to polymer flooding to accelerate field implementation // Kazakhstan journal for oil & gas industry, Vol. 4. N. 4. P. 56-67. doi: <u>10.54859/kjogi108617</u>
- Thomas A., 2021. A genetic algorithm to screen gas storage candidates and better predict flow paths using seismic data.
  <u>83rd EAGE Annual Conference & Exhibition</u>, Jun 2022, Volume 2022, p.1 5. <u>https://doi.org/10.3997/2214-4609.202211004</u>
- **Thomas A.**, Tnacheri N., Lhommet L., 2021. Artificial Intelligence for localizing CO<sub>2</sub> using seismic data: application to the Sleipner storage project. <u>https://doi.org/10.3997/2214-4609.202121072</u>

### **Publications (2/3)**

- Ilyasov I., Koltsov I., Golub P., Tretyakov N., Cheban A., Thomas A., 2021. Polymer Retention Determination in Porous Media for Polymer Flooding in Unconsolidated Reservoir. <u>https://doi.org/10.3390/polym13162737</u>
- Gathier F., Rivas C., Lauber L., Thomas A., Offshore Polymer EOR Injection Philosophies, Constraints and Solutions. <u>https://doi.org/10.2118/200368-MS</u>
- **Thomas A**. Essentials of Polymer Flooding Technique. April 2019, Wiley ISBN: 9781119537588
- Thomas A., Giddins M., Wilton R., 2019. Why is it so Difficult to Predict Polymer Injectivity in Chemical Oil Recovery Processes? <u>https://doi.org/10.3997/2214-4609.201900114</u>
- **Thomas A.**, Gaillard N., Favéro C. 2013. Some Key Features to Consider When Studying Acrylamide-Based Polymers for Chemical Enhanced Oil Recovery. https://doi.org/10.2516/ogst/2012065
- Gaillard N., Favéro C., Bai J., Green K., Wassmuth F., Thomas A. 2013. Performance of Associative Polymers in Porous Media. https://doi.org/10.3997/2214-4609.20142625
- Gaillard N., Thomas A., Favéro C. 2013. Novel Associative Acrylamide-Based Polymers for Proppant Transport in Hydraulic Fracturing Fluids. <u>https://doi.org/10.2118/164072-MS</u>
- Bonnier J., Rivas C., Gathier F., Quillien B., Thomas A., 2013. Inline Viscosity Monitoring of Polymer Solutions Injected in Chemical Enhanced Oil Recovery Processes. <u>https://doi.org/10.2118/165249-MS</u>

### **Publications (3/3)**

- Divers T., Gaillard N., Bataille S., Thomas A., Favéro C., 2017. Successful Polymer Selection for CEOR: Brine Hardness and Mechanical Degradation Considerations. <u>https://doi.org/10.2118/185418-MS</u>
- Gaillard N., **Thomas A.**, Bataille S., Dupuis G., Daguerre F., Favéro C., 2017. Advanced Selection of Polymers for EOR Considering Shear and Hardness Tolerance Properties. <u>https://doi.org/10.3997/2214-4609.201700333</u>
- Puskas S., Vago A., Toro M., Ordog T., Kalman G.Y., Tabajd R., Dekany I., Dudas J., Nagy R., Bartha L., Lakatos I., Thomas A., Garcia R., 2017.
  First Surfactant-Polymer EOR Injectivity Test in the Algyo Field, Hungary. <u>https://doi.org/10.3997/2214-4609.201700244</u>
- Thomas A., Braun O., Dutilleul J., Gathier F., Gaillard N., Leblanc T., Favéro C., 2017. Design, Characterization and Implementation of Emulsion-based Polyacrylamides for Chemical Enhanced Oil Recovery. <u>https://doi.org/10.3997/2214-4609.201700286</u>
- Thomas A., 2016. Polymer Flooding, Chemical Enhanced Oil Recovery (cEOR) a Practical Overview, Dr. Laura Romero-Zerón (Ed.), InTech, DOI: 10.5772/64623.
- Gaillard N., Giovannetti B., **Thomas A.**, Favéro C., Braun O. 2016. Selection of Customized Polymers to Enhance Oil Recovery from High Temperature Reservoirs. <u>https://doi.org/10.2118/177073-MS</u>
- Al-Hashmi A.R., Divers T., Al-Maamari R.S., Favéro C., Thomas A. 2016. Improving Polymer Flooding Efficiency in Oman Oil Fields. <u>https://doi.org/10.2118/179834-MS</u>
- Leblanc T., Braun, O., Thomas A., Gaillard N., Favéro C. 2015. Rheological Properties of Stimuli-Responsive Polymers in Solution to Improve the Salinity and Temperature Performances of Polymer-Based Chemical Enhanced Oil Recovery Technologies. <u>https://doi.org/10.2118/174618-MS</u>