

# Water Science Servicing EOR

**HIGH-PERFORMANCE CHEMICAL SOLUTIONS FOR EOR**  
 Backed by world-class equipment and engineering support, qualified applications specialists, efficient manufacturing of quality water-soluble polymers, and optimized supply chain management, SNF is a recognized leader in the development of high-performance chemical solutions designed to exceed the needs of our customers in the Oil & Gas Industry. SNF polymers are manufactured on 5 continents, which allows us to provide polymer solutions to the Oil & Gas Industry in a cost-effective, energy-efficient manner. Regionally dedicated SNF Manufacturing, Engineering, Logistics, and Service Centers support our clients worldwide.

**REDUCING WATER CONSUMPTION AND CO<sub>2</sub> EMISSIONS**  
 In Enhanced Oil Recovery (EOR), polymer flooding is a cost-effective approach to maximize the productivity of existing assets.  
 A polymer flood project can reduce water consumption by 80% per barrel of oil produced. Likewise, the amount of CO<sub>2</sub> required to produce a barrel is reduced by 50% to 80% due to a reduction in pumping energy required.

Combined with Polymer expertise we offer complete engineering systems to optimize injection for polymer flooding applications.

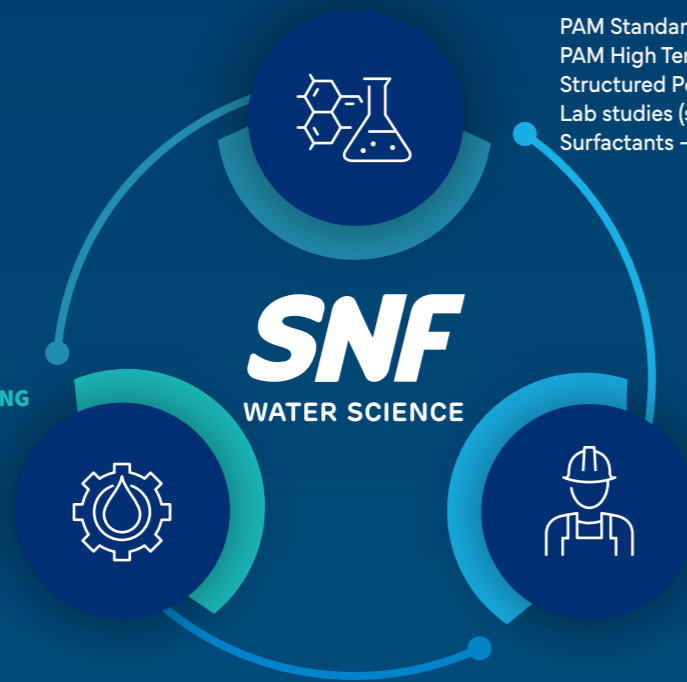
**EOR PLUG AND PUMP SYSTEMS**  
 Over the last 20 years, SNF acquired a solid understanding of clients' constraints with an involvement in more than 350 projects worldwide. Combined with Polymer expertise we offer full engineering systems to optimize injection for polymer flooding applications.

Based on a modular approach, SNF developed Plug and Pump systems that can easily be transported and deployed on-site. Adapted to any existing well configurations, our portable units enable polymer solution preparation and ensure quick and efficient injection once installed.

- CHEMICALS**
- PAM Standard
  - PAM High Temperature and Salinity
  - Structured Polymers
  - Lab studies (selection, compatibility)
  - Surfactants – Alkali - Solvents (purchase / resale)

- SERVICE**
- Commissioning / Start-up
  - Training
  - O&M assistance
  - Optimization assistance
  - Performance Monitoring

- EQUIPMENT & ENGINEERING**
- Polymer Slicing Unit
  - Standard Skids
  - PIU
  - Turn-Key System
  - EPC contract



**SNF**  
 WATER SCIENCE

**SNF S.A.**  
 ZAC de Milieux  
 Rue Andrienne Bolland  
 42163 Andrézieux - FR

**CONTACT POINT**  
 eor@snf.com  
 +33 (0) 4 77 36 86 00  
 www.snf.com

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**EASEOR™**  
 SMART MONITORING FOR  
 ENHANCED OIL RECOVERY

# EASEOR™

As an end-to-end service provider with global experience in EOR (Enhanced Oil Recovery), SNF Group supports you through the entire lifecycle of your project, from development to field operation.

SNF has introduced EASEOR™ as a smart monitoring system for Enhanced Oil Recovery applications.

Based on IIoT technologies (Industrial Internet of Things, i.e., using sensors and analytics), EASEOR™ solution enables data collection to improve projects' efficiency, productivity and safety.

## Alert Control Prevent



## Instant Access

EASEOR™ helps you get more value out of your data. With EASEOR™, you'll gain control of your oilfield with a comprehensive view of the entire skid. On a single user interface, EASEOR™ gives you a quick overview of key performance indicators. EASEOR™ dashboard makes it easy for anyone to get descriptive visibility into the most important up-to-date information.

## Predictive Maintenance

Implementing predictive maintenance based on live data collection and analysis will improve the overall uptime of the Polymer Injection Unit resulting in a higher efficiency of the EOR process.

Anticipating the equipment maintenance will also reduce the OPEX of the project with a longer lifetime of the asset.

## Design for Cybersecurity

EASEOR™ solution has been designed to be secured at each step.

First, the solution is gathering data on «read only» mode from PLC source and End-To-End encrypted EASEOR™ ensures a full network segmentation, and thus totally isolated from the plant network.

EASEOR™ is fully compliant with ISO27001 and IEC 62443 standards.

## Pump&Play

