

# Oil and Gas Capabilities

## PLYMOUTH TECHNOLOGY INC.

With more than 20 years in the water treatment industry, Plymouth has partnerships with the largest industrial manufacturers, oil and gas, and alternative energy companies around the globe. Plymouth Technology has proven it is innovative, pioneering, and stable. Our expertise, services, and products are in high demand; we invite you to explore how much better you can be with Plymouth Technology.

## RESULTS

A frac water reuse strategy that reduces the amount of freshwater needed for fracs, while ensuring downhole water quality for recycled water.



- Treatability Services
- Analytical Laboratory Services
- Consultative Services
- Residual Waste Management
- Water Reclamation Planning
- Emergency Response
- Enforcement Resolution Plans
- Essence of Value Program™
- Industry Networks
- Technical Training Services

Plymouth Technology's world-class research has developed programs and products to protect one of the world's most precious resources - water. Our customers benefit from proprietary products and services designed to maximize equipment efficiency, reduce costly downtime, ensure compliance and reduce chemical and labor costs.

We provide our expertise, and the industry's highest-quality products and services, to the oil and gas, aerospace, automotive, chemical, food processing, major appliance manufacturing, metal finishing, packaging and plastics industry sectors.

Plymouth Technology works with its oilfield service partners to provide comprehensive chemical products, services, and support for frac water reuse, downhole applications, drill mud and sludge solidification, and frac chemical programs.



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# Technical: Lab Capabilities

## TECHNICAL SUPPORT

The Plymouth Technology team provides the following services:

- Site Inspections
- Treatability Services
- Specialized Chemical Programs
- Water/Chemical Analysis
- Onsite Service
- Dewatering Capabilities

## MISSION & CORE

### PURPOSE

Plymouth Technology is committed to advancing fair partnerships for industrial manufacturers, oil and gas clients, and our employees. Our staff delivers cost-effective solutions for wastewater, water treatment, oilfield and industrial processes to generate spectacular results. We respond quickly, provide the best value and services, utilize our extensive network within the industry and help to drive the success of our customers.

For more information on our products or services please visit us at:

[www.plymouthtechnology.com](http://www.plymouthtechnology.com)

### Analytical Services:

- Water Analysis using:
  - Atomic Adsorption
  - ICP-OES
  - ICP-MS
  - GC-MS
  - Titration
- Scaling and Corrosion Index Modeling
- Dynamic Friction Loop Testing
- Viscosity
- Crosslink and Breaker Testing
- Microbiological Analysis
- Deposit Composition Analysis



The Plymouth Technology Laboratory is well suited to provide our customers with a full line of analysis to support both environmental and oil and gas projects. Our deep experience enables partnerships with our customers to solve difficult problems through lab analysis, R&D, and onsite applications.

## Chemical / Treatability Studies

The Plymouth Technology Laboratory team has developed programs for flowback and wastewater recycling. Our lab is fully stocked with modeling equipment



including membranes, dewatering equipment, and treatment devices. We lead the industry by providing a full line of custom blended coagulants, oxidants, and flocculants for individualized solutions to water recycling.



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