

CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

MARKETS SERVED / ENERGY

Upstream Energy

Completion, production, and difficult water chemistry.

Improve the economics of each treated barrel, from frac water through production and facility operation.

APPLICATION • PROOF • COMMERCIAL SCALE



01 / 04



UPSTREAM ENERGY / 01

Where we fit

Upstream chemistry must perform as water quality, salinity, temperature, and production conditions change.

COMPLETION

PolyVelocity™ friction reducers, EcoFlow™ surfactants, MineralLock™ stabilization, and StructuraGel™ systems.

PRODUCTION

SulfaGuard™ H₂S control, corrosion and scale management, separation, and flow assurance.

WATER

AquaCore™ clarification, OxiPro™ oxidation and biocide concepts, and reuse compatibility.

HEAVY CRUDE

GelCore™ selective logistics and ViscorMax™ viscosity programs address constrained barrels.

Start with actual fluids and a quantified cost-per-barrel or uptime target.



UPSTREAM ENERGY / 02

A complete program

The chemistry is paired with local supply, equipment, and technical feedback.

IDENTIFY

Locate overfeed, production interruptions, poor separation, expensive diluent, or excessive freight.

BENCHMARK

Compare candidates against the incumbent in actual field fluids and operating conditions.

DEPLOY

Choose bulk supply, protected distributor programs, or modular manufacturing and dosing.

DOCUMENT

Track treatment objective, dose, lot quality, service events, and economics.

The strongest opportunity is a recurring field problem with a measurable cost and accessible sample.



UPSTREAM ENERGY / 03

Technology map

Platforms can be combined as a facility program rather than sold one drum at a time.

REDUCE COMPLETION COST

Friction reduction and produced-water fit with PolyVelocity™ and completion additives.

PROTECT UPTIME

H₂S, corrosion, scale, deposition, and demulsification support.

RECOVER WATER VALUE

Clarification, microbial control, and reuse chemistry integrated with treatment equipment.

EXPAND EGRESS

Selective gel-based crude logistics where existing routes are constrained.

Pilot design and customer economics determine the final product and deployment scope.