

CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

CORE PRODUCT CATEGORIES / PRODUCT PLATFORM

SynStim™

Acid replacement technology

Develop targeted stimulation, leach and cleaning concepts where conventional acids create tradeoffs.

APPLICATION • PROOF • COMMERCIAL SCALE



01 / 04



SYNSTIM™ / 01

Where the platform fits

Develop targeted stimulation, leach and cleaning concepts where conventional acids create tradeoffs.

SUBSURFACE

Assess formation-specific remediation or stimulation.

MINING

Explore leach enhancement and mineral-processing applications.

PLANT CLEANING

Target selected scale or deposit removal duties.

CONNECTED SYSTEM

Chemical IP R&D, OFI supply and Kane engineering can be combined when the process requires more than a product.

Select the treatment around the customer stream, objective and operating constraints.



SYNSTIM™ / 02

Prove the operating value

Application-specific tests connect a technical response to a customer decision.

SUBSTRATE

Identify mineral, deposit, metallurgy and treatment objective.

COMPATIBILITY

Check corrosion, precipitation, emulsion and adjacent chemistries.

TRIAL

Measure dissolution, flow restoration or cleaning outcome.

VALUE METRIC

Useful treatment effect at an acceptable total operating cost.

Bench and field results define the commercial claim for this application.



SYNSTIM™ / 03

From trial to program

Qualified chemistry becomes a repeatable supply and service arrangement.

QUALIFY

Agree on the specification, sampling plan and acceptance criteria.

ENGINEER

Select product form, production route, equipment and safe operating envelope.

SUPPLY

Choose bulk, toll, private label or regional manufacture as volume supports.

IMPROVE

Connect batch quality, dose and field data to an ongoing technical review.

A representative sample and a measurable target are the best starting point.