

STAND THE HEAT

Experience performance certainty
with the geothermal fluids specialists.

NEWPARK



PERFORMANCE CERTAINTY

Enhancing energy recovery while reducing risk and cost.

Newpark is the leading and most experienced fluid provider for geothermal well development. With more than 30 years' expertise and 370+ geothermal wells drilled worldwide, we deliver unmatched performance certainty across every stage of the well lifecycle to:

- Reduce total well costs
- Minimize operational and HSE risk
- Maximize energy recovery and returns
- Minimize environmental impact and enable more sustainable operations

ENGINEERED FOR THE EXTREME

Integrated fluids solutions for geothermal success

Our specialist geothermal experience supports a portfolio of fluid solutions engineered for the most challenging environments, delivering:

- **Drilling performance** – specialist geothermal high-temperature, high-performance fluid systems to drill fast and efficiently
- **Effective well cleanup** – low-hazard, reservoir-friendly uniform cleanup and conditioning
- **Enhance energy recovery** – innovative reservoir stimulation treatments to improve permeability to enhance flow

30+

YEARS'
GEOHERMAL
EXPERIENCE

370+

GEOHERMAL
WELLS DRILLED
WORLDWIDE





DRILL WITH CONFIDENCE

Drill hotter wells with certainty and reduce costs with TerraTherm™ high-performance geothermal drilling fluid system

Purpose-built to withstand the demands of the most extreme geothermal conditions, this leading-edge water-based system enables you to:

- Drill faster and more efficiently
- Mitigate losses and optimize well construction
- Eliminate high costs associated with non-aqueous fluids
- Handle unexpected well events and changing H₂, He, CO₂, and H₂S levels

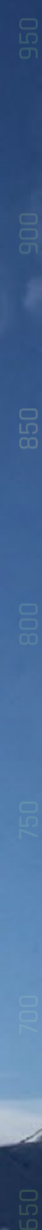


480°C

MAXIMUM
TEMPERATURE
ACHIEVED

4,628m

MAXIMUM DEPTH
ACHIEVED





RESTORE RESERVOIR POTENTIAL

Improve flow with ORCA™ reservoir-friendly cleanup technology for uniform, low-hazard drilling damage removal.

ORCA™ cleanup technology works seamlessly with TerraTherm™ to remove drilling damage, restore flow, and protect reservoir integrity while reducing operational risk.

- Generates acid in situ for uniform filter cake cleanup and optimized zonal coverage - without handling hazardous neat acids
- Can be utilized for newly drilled wells and as a remedial treatment
- Highly effective single-stage filter cake removal treatment.
- Simplifies on-site mixing, reduces operational risk, and protects well integrity



UNLOCK ENHANCED ENERGY RECOVERY

Enhance reservoir permeability with low-hazard, low-impact DEEPA™ in-situ acidizing technology.

DEEPA™ treatment fluids in-situ acidizing for cost-effective geothermal well productivity enhancement and improve fluid flow.

- Targets carbonate formations to improve permeability and increase well output
- Removes scale and stimulates fractures using low-hazard, reservoir-friendly chemistry
- Enables precise treatment placement with minimal HSE impact
- Built for performance and sustainability

Both ORCA™ and DEEPA™ use low-environmental-impact chemicals, many from renewable sources. This reduces waste, simplifies disposal, and supports operators' sustainability and clean energy commitments.



COUNT ON US

Trust the experience and expertise of the geothermal fluids leader.

With decades of field-proven expertise, advanced R&D, and global lab capabilities, Newpark is your trusted partner to keep your geothermal projects on track.

On every project you benefit from:

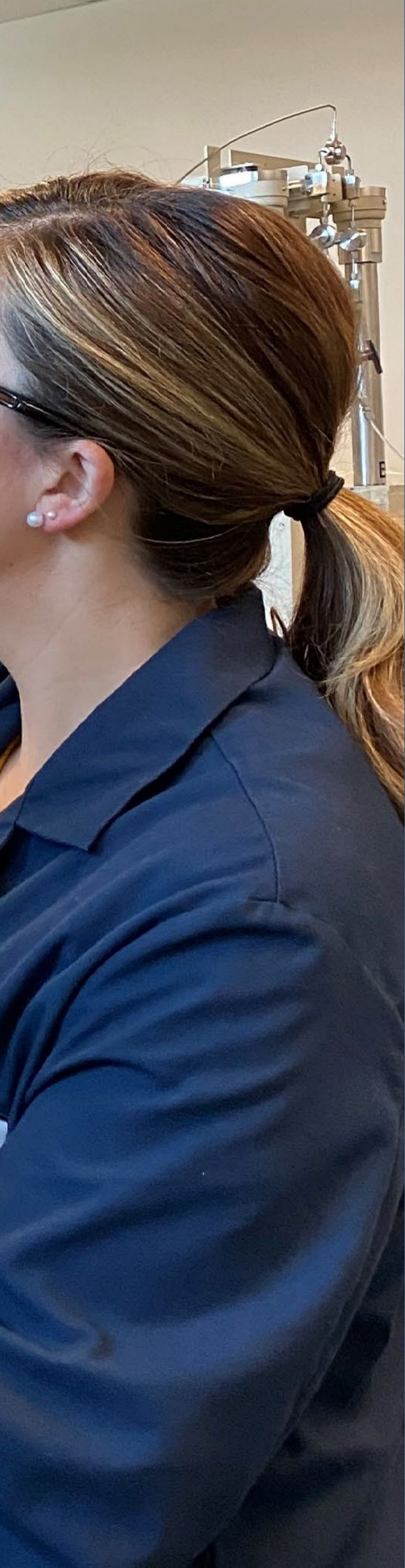
- Technical support
- Dedicated fluids specialist
- Operational experience
- QHSE and quality assurance standards

When performance is on the line, trust the geothermal fluids leader – partner with Newpark to power the world's clean energy future.

30+
COUNTRIES
WORLDWIDE

1,000+
FLUIDS EXPERTS





STAY ONE STEP AHEAD

Achieve performance certainty with Newpark – the world’s leading independent provider of drilling fluids for the energy sector.

Whether you’re planning a new well, optimizing a current project, or exploring ways to boost production, our team of geothermal fluid specialists is ready to help you achieve outstanding results.

Scan the QR code to:

- Learn more about TerraTherm™, ORCA™, and DEEPA™
- Explore case studies from geothermal fields worldwide
- Download data sheets
- Schedule a one-on-one with our technical experts



NEWPARK

newpark.com/geothermal

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