



DIGITAL FLUIDS SOLUTIONS

SOLVING FLUIDS CHALLENGES THROUGH DATA-DRIVEN TOOLS AND INSIGHTS

Explore how our industry-leading digital solutions keep you one step ahead



Unlock the power of effective data analysis

Newpark fluids specialists utilize innovative digital fluid solutions and software that bring together our vast fluids knowledge and historic well data with proprietary formation and rock properties to anticipate and overcome your challenges. Making informed, data-driven decisions to deliver consistent performance, leading best practices and a superior service – with no surprises.

Putting the smartest tools in the best hands

It's not enough just to have the smartest tools for the job. You need the specialist expertise to know how to interrogate the data and make the right move at the right time. Our team of dedicated experts do just that – utilizing our leading-edge systems to add value by delivering best-practices, consistency of service, and share our knowledge on a global scale.

As the digitalization journey continues across the oilfield, we'll keep investing in our digital solution capabilities to add value for our customers.



A crucial part of the Newpark service advantage

Our digital fluids solutions play a key role in delivering the Newpark service advantage. As the starting point for our fluids solutions, we use them to model and engineer the best possible solutions for our customers, safeguard delivery and gather data to continuously expand our knowledge and improve our service.



Fluids-focused specialists

With deep domain knowledge spread across our truly global team, you can rest assured you'll always be talking to a fluids expert. Whatever your project, and wherever you are in the world, we'll go further to anticipate your unique requirements and overcome your challenges with the right solution. Fast.



Innovations that rise to your fluid needs

By manufacturing and developing our own fluids chemistry, in our own industry-leading laboratories, we have the agility to customize fluids to your exact requirements. And with our global supply chain, we get them to you at pace. Every step along the way.



Safeguarding performance with laboratory testing and technical support

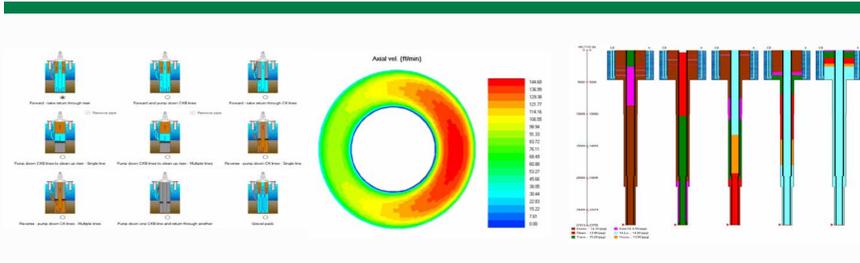
In addition to digital modeling and engineering, our solutions are thoroughly tested in state-of-the-art laboratories. Replicating real-world scenarios – including extreme environmental conditions – means we can test, refine, and customize our fluids. While our technical services team are always available to resolve any unexpected challenges that emerge.



Fluid Architect™ Know your fluids

When it comes to fluids knowledge management, it's important to get the basics right. From which fluids you're using and how much you're consuming to ensuring you're accurately billed – we ensure you get to the data you want, exactly how you want it.

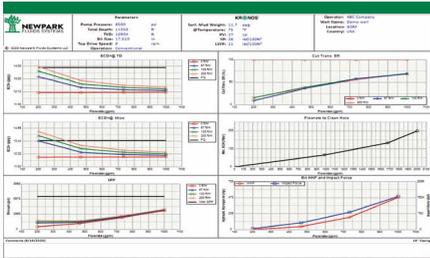
- Daily Mud Report (DMR)
- Fluids properties specifications tracking
- Fluids, chemical and additive consumption
- Standardized global reporting
- Customizable end of well reports
- Data for future analytics



ClearDepth™ Efficiently displace to a clear well

Accurate modeling of pressures while pumping multiple fluids downhole is key to the successful displacement of fluids as you move between drilling, and completion phases of the well and production. ClearDepth™ hydraulic modeling software allows for the seamless simulation of deepwater displacements – helping you design and plan the optimal conditions for multiple pumping stages and flow paths including choke, kill, boost lines, and circulating subs.

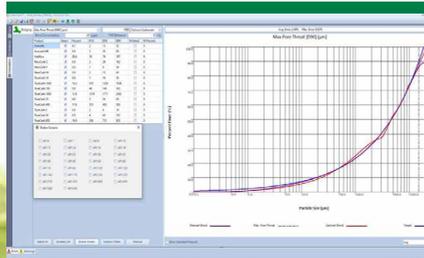
- Up to 16 operation stages for land wells
- Circulating temperature prediction
- Combination of 9 flow paths for deep water operations
- Fluid compressibility
- Free-fall/back-fill (U-tubing) calculation
- Pressure and temperature-dependent rheology
- ECDs/pressures at various depths vs. time
- Effects of pipe standoff on hydraulics
- Up to 12 fluids for each stage
- Circulation sub and gravel pack
- Coiled tubing operation



ClearTrack™ Clear run. Stay on track.

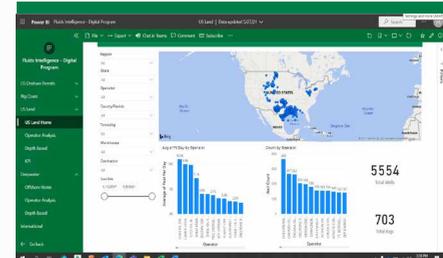
Accurately model, simulate and avoid unscheduled events with ClearTrack™ fluids engineering simulator. By understanding the behavior of fluids in different conditions, formations, pressures, temperatures and operating conditions, we ensure all fluids-related properties are balanced to ensure successful drilling and completion operations in even the most complex wells.

- Accurate ECD/ESD
- Hole-cleaning
- Surge-swab
- MPD (including CML)
- HPHT rheological modeling with field calibration
- Temperature modeling
- Bridging based on rock properties
- What-If analysis



ClearBridge™ Close the gap

Protect your operation from costly NPT and the loss of high fluids volumes. Our ClearBridge™ lost circulation modeling and engineering platform keeps you ahead of the curve – allowing you to model and simulate natural and induced fractures in the formation. Meaning you can develop strategies to prevent induced fractures and identify where to proactively specify and run LCM to seal any fractures as they form.



Fluid Intelligence™ Turn insight into action

Our latest digital innovation - the Fluid Intelligence™ data analytics platform - transforms data into actionable insights to optimize performance and drive operational efficiency. The platform integrates multiple data sources and data points to benchmark performance against global offset well and historical data analysis from a vast archive covering multiple geographies and environments.

- KPI tracking
- Depth based analysis for multiple wells
- Cost-benefit analysis comparing performance to cost by operator or by well
- Global product consumption and ESG stats (fluid usage of OBM vs WBM)

Stay one step ahead.

Our pure fluids-focused expertise keeps you ahead of the game by anticipating your challenges to deliver fluids solutions that make your operations more productive, more efficient, and more sustainable.

Total fluids solutions for oil & gas, geothermal and mining operations

- Drilling fluids
- Reservoir fluids and high-performance breakers
- Stimulation fluids
- Specialty additives
- Digital fluids solutions
- Shaker screens
- Solids control & waste management



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