



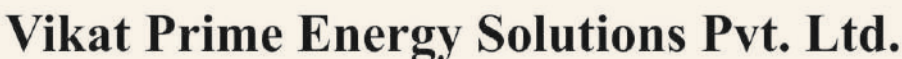
VIKAT PRIME ENERGY SOLUTIONS PVT. LTD.



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Mission

"To deliver high-quality screening equipment that meets customer needs with precision, innovation, and reliability. "

Vision

"To be the global leader in high-quality screening equipment through innovation and reliability."

Industries Served :

1. Oil & Gas
2. Mining
3. Underground Construction





CLOSED LOOP DRILLING



The Oil & Gas industry has been utilizing closed-loop drilling systems for decades to efficiently recycle drilling fluids while eliminating the need for traditional sumps. This method allows for the reuse of drilling fluids across multiple wells while significantly reducing environmental impact.

HOW IT WORKS

A closed-loop system ensures that drilling fluids never touch the ground, minimizing surface disturbance and improving overall site safety. The process consists of multiple stages:

- 1. DRYING SHAKERS** - The flow from the borehole is directed to shakers, where larger cutting particles are removed. It then moves to a drying shaker, which separates fluids from drill cutting and makes it more drier or less moisture. The cutting is collected in a bin, while the fluids are transferred to a tank.
- 2. CENTRIFUGES – FINE PARTICLE SEPARATION**
 - In the next stage, centrifuges remove low-gravity solids using forces ranging from 300 to 3,500 G.
 - These high-speed separators eliminate fine particles as small as 5 microns, ensuring the drilling fluid remains clean and reusable.
- 3. DEWATERING UNIT** - All liquid wastes are pumped into Dewatering Unit to separate wastes and (from) slurry and again further processed.

FEATURES :

- Reduced Well Construction Costs
- Smaller Footprint & Site Efficiency
- Water Savings Costs
- Lower Environmental Impact
- Reduced Drilling Fluid Cost

ASSOCIATIONS



#startupindia





VIKAT PRIME ENERGY SOLUTIONS PVT. LTD.

OUR GLOBAL FOOTPRINT



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