roundLAB
Wellbore Survey Management

Independent survey management that improves decision quality around positional uncertainty — without replacing survey tools, changing standards, or disrupting rig workflows.

Benefits

Independent

Objective oversight focused only on the operator's wellbore certainty.

- Checks, validates, and questions survey data quality
- Restores objectivity when the data producer is not the only verifier
- Supports confident decisions under uncertainty

Accurate

Validated corrections reduce uncertainty and improve positional confidence.

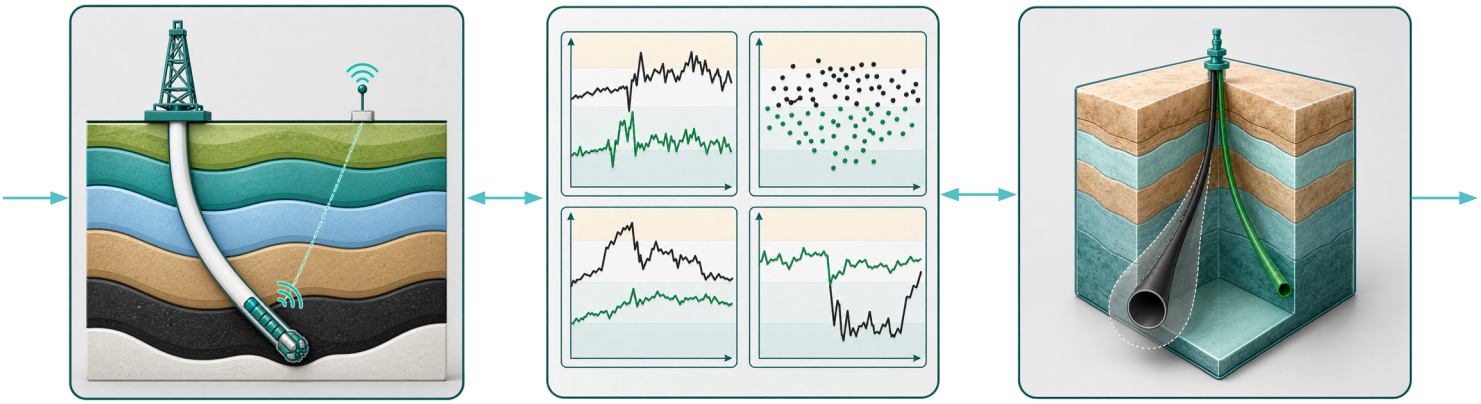
- Smaller uncertainty envelopes support tighter spacing and accurate geosteering
- Transparent corrections are explainable and auditable
- Improves the quality of wellbore position data

Operationally Simple

Works alongside current directional workflows with minimal friction.

- No additional downhole equipment nor process changes
- Reduces hesitation while drilling with trusted data
- Supports drilling, geology, completions, and production teams respectively

Survey Certainty Workflow



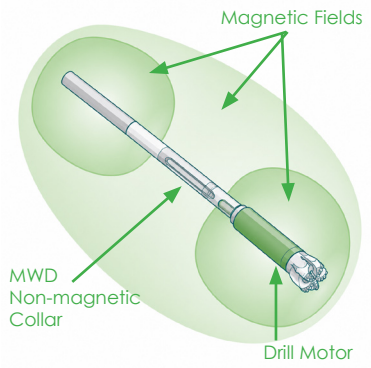
Wellbore Survey Data Input | Data QC & Survey Corrections | Enhanced Positional Certainty

roundLAB Technical Service Elements

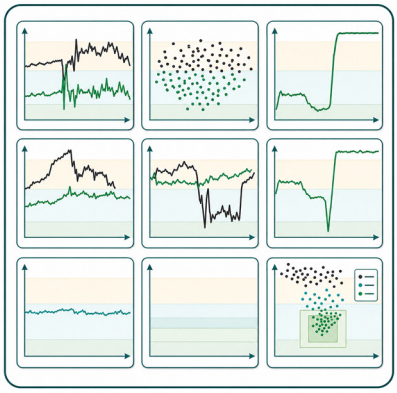
roundLAB Services	Wellbore Survey Management		
		Reference Accuracy	WGS84 gravity model and high resolution geomagnetic model or In field reference (IFR1) magnetic reference to enhance positional fidelity. Solar Strom awareness and in field reference two (IFR2) capability to compensate diurnal error.
		BHA + Survey Corrections	This includes Bottom Hole Assembly (BHA) ferromagnetic component assessment, non-magnetic spacing review, multi-station analysis, and BHA Sag correction.
		Uncertainty Evaluation	Reduce wellbore positional uncertainty by reducing systematic error whilst drilling, which enables geoscientists to more accurately target the asset with reduced collision risk.

Technical Features

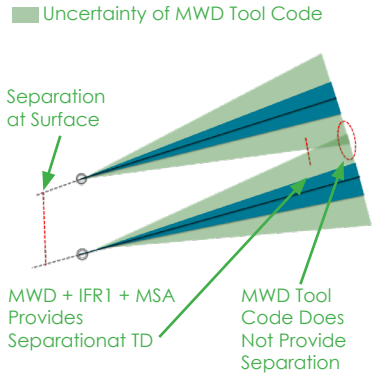
- Independent survey QC and correction oversight
- Real time review of survey data quality and position certainty improvement
- In-field referencing (IFR1) and Diurnal Survey Correction (IFR2) support
- BHA ferromagnetic component and non-magnetic spacing evaluation
- Accurate reference model utilization WGS84 Gravity and high resolution geomag model or IFR1 usage
- Multi-station analysis correction
- Works alongside existing directional vendors, tools, procedures, and workflows
- Supports drilling, geology, geosteering, completions, and production decisions
- Real risk versus assumed risk evaluation for safer optimization
- Transparent, auditable documentation of corrections and recommendations
- BHA configuration and drilling parameters



MSA Theory



Survey QC & Correction Plots



Drilling Uncertainty & Collisions

Technical Controls

- WGS84 gravity model
- High-resolution geomagnetic model
- In-field referencing (IFR1)
- Diurnal Survey Correction (IFR2)
- BHA non-magnetic spacing / EDSI
- BHA Sag correction
- Multi-station analysis

Operational Inputs

- Directional survey measurements
- BHA configuration and drilling parameters
- Magnetic / gravity reference data
- MD, Inc, Azimuth, component vector data from MWD tool
- Pad spacing, lease-line, and collision context
- Geological targets, formation tops, and steering decisions
- Drilling events and operational constraints

Outputs & Decision Support

Confidence
Trusted survey data for faster drilling decisions

Consistency
Repeatable standards preserving review across wells

Transparency
Traceable corrections and auditable recommendations

Independence
Objective oversight focused on operator value

Implementation Fit	No rig-team disruption. No tool replacement. No standards change. A technical assurance layer for survey data quality and wellbore certainty.

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