

# SynTraC

SYNTHETIC SURVEY



**THE ULTIMATE SYNTHETIC  
SURVEY SYSTEM**



Scientific Drilling

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Scientific Drilling's SynTraC Synthetic Survey system is a ground breaking active ranging solution that delivers an unmatched combination of performance and affordability in close proximity drilling and anti-collision applications. This system provides relative positioning and tool face by referencing surrounding cased wellbores, without the need of additional tools in the drill string or invasion of target or reference wells.

## DELIVERING THE ULTIMATE VALUE

- + Compatible with all major industry survey, steering, and MWD systems ensuring optimal operational flexibility
- + Supports data processing at traditional MWD stations allowing real-time data transmission for a wide range of ranging while drilling applications
- + Streamlined system design enabling rapid mobilization with no additional downhole equipment required
- + High accuracy positioning and orientation data, mitigating collision risk in crowded drilling environments with extensive magnetic interference
- + Proven performance of over 120 successful jobs to date, demonstrating the reliability, safety, and drilling confidence delivered

## TARGET APPLICATIONS

- + Wellbore Separation (Collision Avoidance, Kickoff Assurance)
- + Close Proximity (Twinning, Handrailing, Multi-well Drilling)
- + Wellbore Intercept
- + Mining

## PRODUCT SPECS

<b>POWER SUPPLY</b>	240V AC single phase input, 250V 15A output  208 AC three phase input, 300V 16A output
<b>SURFACE LINES</b>	10-14 AWG insulated single conductor wires
<b>SURVEY DURATION</b>	Less than 2 minutes
<b>DEPTH LIMITATION</b>	Signal dependent on well profile & operational factors (ie. pipe size, formation resistivity, end of pipe and current injected)
<b>DETECTION RANGE</b>	3-4 times greater than passive ranging (dependent on injected current)
<b>SYSTEM POWER</b>	Powered by Rig or Generator