



SPT Solutions Dossier

Alternatif Teknologi Nusantara

Official SPT distributor:
Indonesia



sptab.com



PT Alternatif Teknologi Nusantara

Official SPT distributor in Indonesia



Accurate Decision Mining

SPT specializes in the research, design, manufacturing, and distribution of high-precision solutions for accurate decision making in the mining industry.

For nearly 30 years, SPT has become a trusted partner to the world's leading mining companies, delivering innovative, reliable, and high-quality technologies across exploration projects worldwide.

A Global Company



Ville Rautakoski
Oy Kati AB. Finland

“The autonomy provided by
SPT’s CalibraCheck is
priceless.”

Kevin Mitchell
Swexp. EEUU

“We reached depths of over
3100 meters under
challenging conditions, and
everything worked perfectly.”



Global Presence Quality Local Support

With you at all times

With operation in 50+ countries, SPT offer have 24/7 technical support and on-site in less than 24h.

With On Site Calibration, verify and ensure high-precision calibration worldwide. Always close to you.



Brilliant results begin with precision

➤ Global support, local response

24/7 remote support and on-site assistance in under 24 hours, even in remote locations.

➤ Proven compatibility in extreme environments

Trusted by exploration teams operating in high-temperature, high-pressure conditions. SPT's tools deliver precision and reliability, even in the most demanding field environments.



Brilliant results begin with precision

Lower Total Cost of Ownership (TCO)

Innovative, robust technology built for long-term value. Minimal failure rate, low maintenance, and extended service life.

Fast deployment, easy integration

SPT's technology is designed for speed and simplicity. Single-operator handling, no infrastructure changes needed

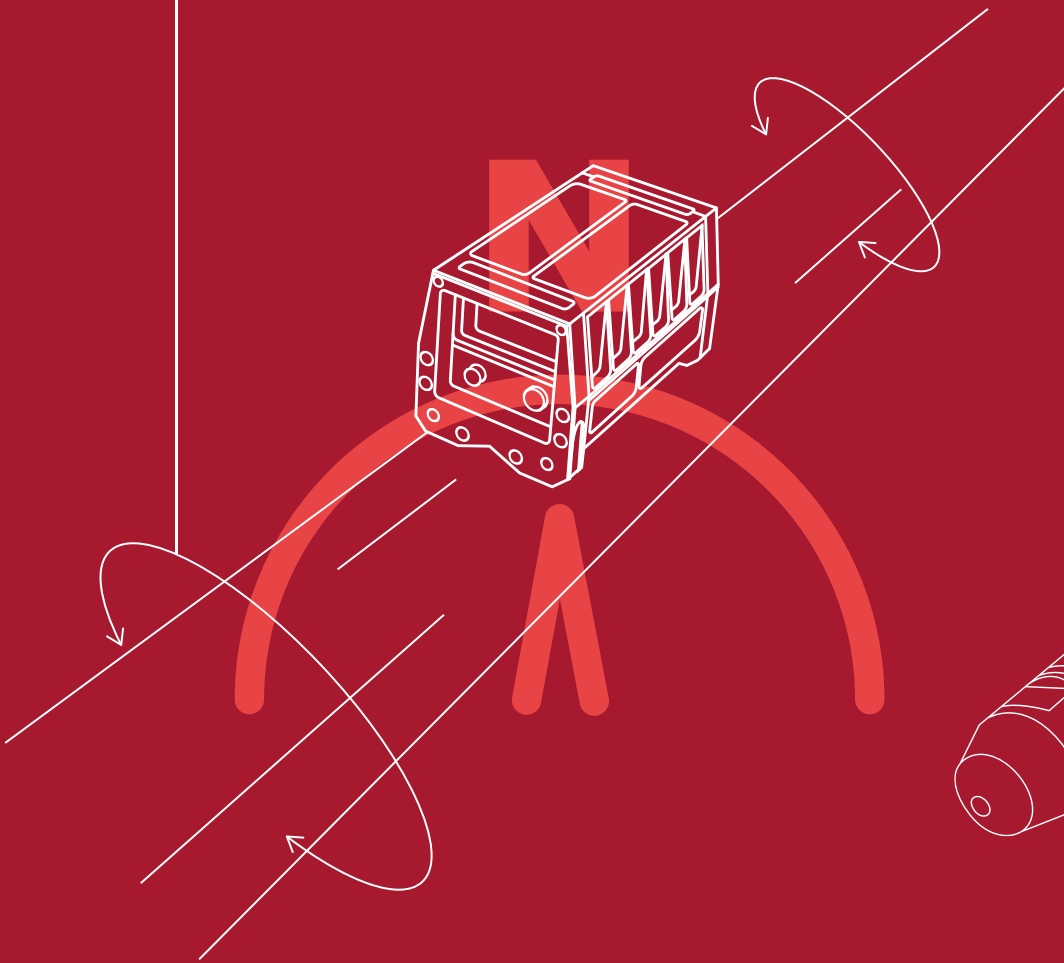




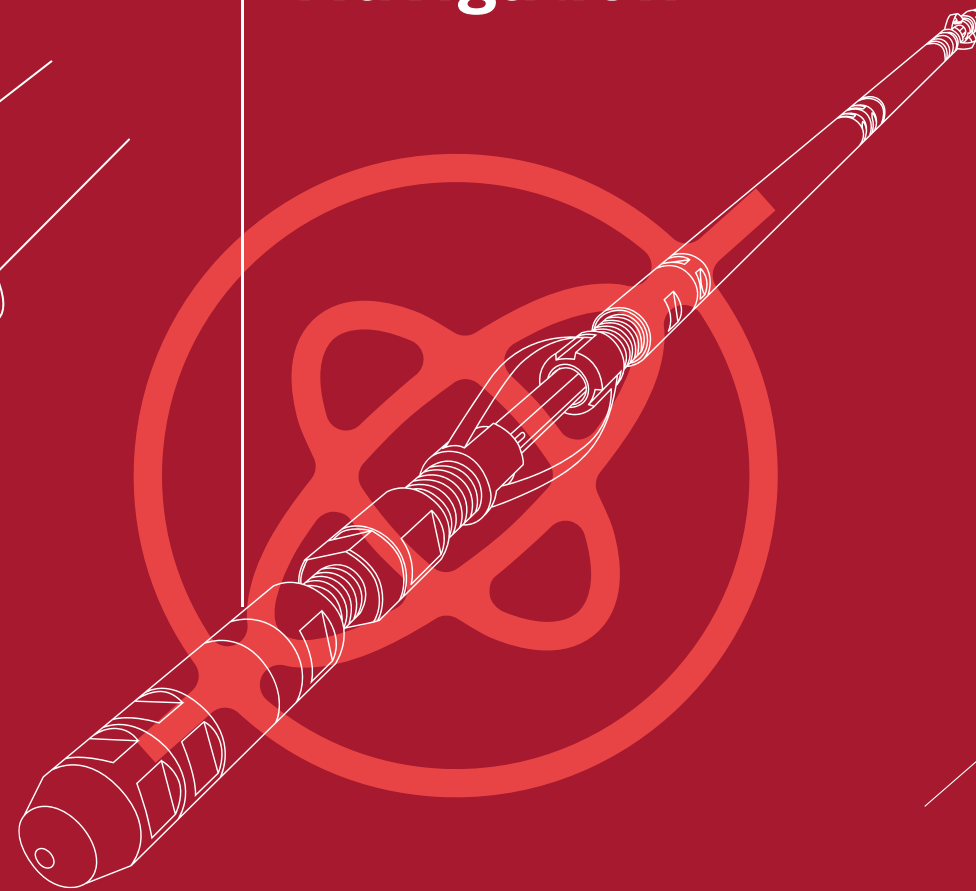
High Precision Solutions for Accurate Decision Making



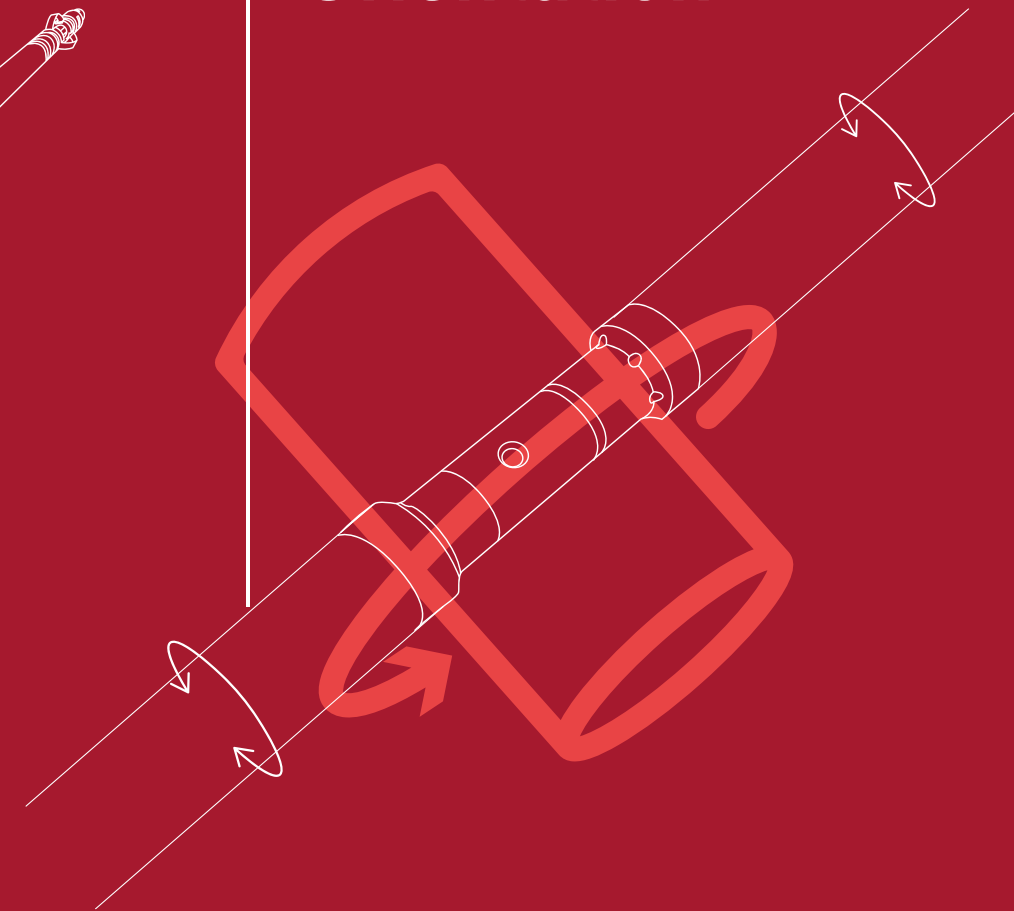
Rig Alignment



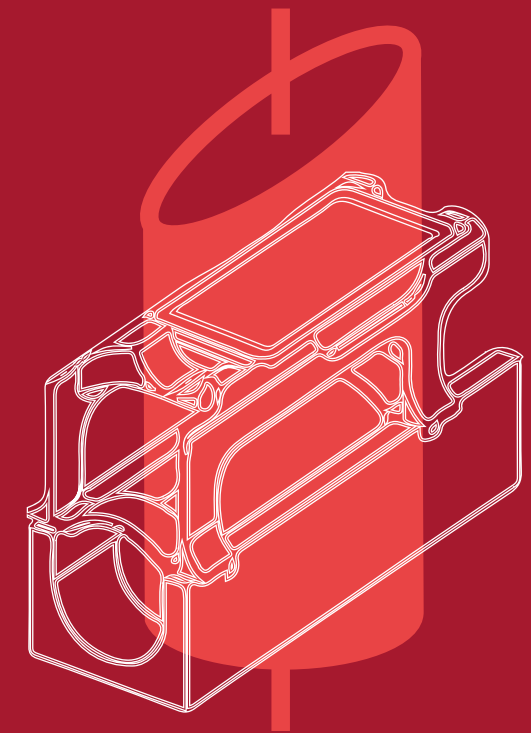
Downhole Navigation



Core Orientation



Structural Logging



**SPT Complete Tech Catalog –
from Rig Alignment to the Core shack**



Polestar Aligner™



Gyro RigAligner™




RIG ALIGNMENT


Polestar Aligner™

- **Field-proven**
All purpose drilling rig aligner, to diverse environments even in the most extreme latitudes.
- **Free-movement operation**
Aerospace inertial navigation technology, allows for free-movement.
- **High precision, higher accuracy**
Accurate azimuth, inclination and roll measurements faster than traditional systems and for more hours with longer battery life.
- **Instant data sync**
Seamless data integration with **SmartCloud™** to have detailed QA/QC reports in industry-standard formats.





Polestar Aligner™


Inclination Accuracy $0,03^{\circ}$ 
Azimuth Accuracy $0,16^{\circ} \cdot \sec(\text{lat})^{\circ}$

Operates Near the Vertical 

Bluetooth safe distance operation 


Robust and portable (Weight 8 kg (17,6 lbs).
One person operation 

Just 10 minutes for a whole day of accurate
alignment. 


Inertial navigation technology
allows for free-movement 


Plug-and-play clamps with quick
release compatible with B N H P 

Competitor X


 Inclination Accuracy $0,05^{\circ}$
Azimuth Accuracy $0,2^{\circ}$


 Operates Near the Vertical

 Bluetooth safe distance operation

 Huge and heavy tool (Weight ~30kg).
Operation requires several people

 Requires over 10 minutes to find the north (12)

 Losses north after a few
minutes

 Fixed clamps and no compatible with P size



GyroMaster™



GyroScout™



GyroLogic™ Evo



MagCruiser™



THE BENCHMARK OF EXCELLENCE

GyroMaster™

- **All angle, all condition**
The only downhole survey instrument that can survey vertically, at all angles, continuously, and at extreme latitudes.
- **Designed to last**
Compact and rugged design with consistent performance even in extreme environments. No failures, no downtime.
- **Industry leading**
Industry leader in reliability and performance, backed by top-tier results and the highest user ratings in its class.
- **The signature of precision**
GyroMaster is how the industry came to know SPT, the benchmark of excellence.



GyroMaster™

Competitor X

Unaffected by magnetic interference	↗	↗	Unaffected by magnetic interference
Industry-leading accuracy with $\pm 0.16^\circ$ azimuth and $\pm 0.05^\circ$ inclination	↗	↘	Azimuth up to $\pm 0.4^\circ$ and inclination up to $\pm 0.25^\circ$, with up to 10 times greater margin of error
Capable of surveying at depths of up to 4000 meters	↗	↗	Lower measurement depth, less than 2900 meters
Works in vertical, horizontal, and inclined positions with minimum loss of accuracy	↗	↘	Results depend on latitude and inclination
(inclination) DIP accuracy = $\pm 0.05^\circ$	↗	↘	(inclination) DIP Accuracy = $\pm 0.25^\circ$
80 - 100m per minute. Up to 150m per minute	↗	↘	>50m per minute
Exports PDF, XLSX, LAS, DXF	↗	↘	Exports CSV



DOWNHOLE NAVIGATION

GyroScout™

- **Optimized blasting operations**
GyroScout is a cutting-edge gyroscopic solution magnetism-proof for continuous surveying in blasting operations.
- **The fastest blast survey system**
Tens of meters surveyed in 1 minute or less.
- **Above industry standards**
Manufacturing process above oil and gas industry standards with the finest materials: gold, titanium, etc.
- **Experience-based precision**
Proven models and algorithms backed by 30 years of experience.



CoreMaster™



GyroCore™



GyroCore Lite™



CORE ORIENTATION DEVICE

CoreMaster™

➤ **Reliable orientation for structural accuracy**

The easiest tool to get directional characteristics of a geological core sample.

➤ **Multi-diameter adaptation**

Digital core orientation device for any diameter.

➤ **Efficient wireless operation**

Optimized operation with high-speed Bluetooth connection, non-rechargeable Li-ion and field-replaceable batteries.

➤ **Seamless cloud sync**

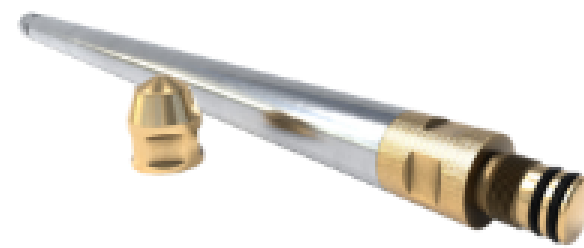
Secure data and syncs directly to the cloud, with QA/QC integrated.



Calibracheck™



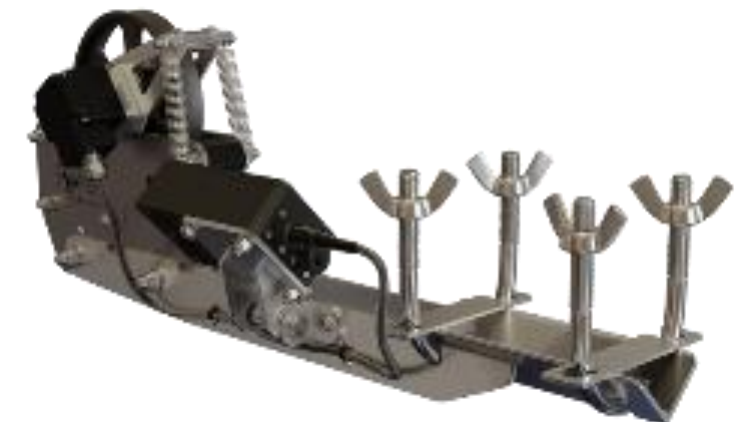
CoreRetriever™



Gamma Module™



Gyro PushRodder™



DepthCounter™

Structural Logging

StructMaster™



StructMaster™

➤ **Angle recalculation anywhere**
Recalculate angles at anytime, anywhere, keeping your geological information accurate and accessible at all times.

➤ **Custom data filtering**
Custom labels for structure classification and smart data filtering with color-coded.

➤ **Structural logging power**
The ultimate tool for geologists and engineers—featuring powerful α and β angle calculations.

➤ **No computer needed**
Handheld and ultra-portable structural logging, without computer operation.

➤ **Intuitive display interface**
Automatically displays stereonet through an intuitive interface—no special training required.

➤ **Seamless data sync**
Speeds up your workflow with one-click export and seamless synchronization.





ORGANIZATION

USER



WELL

BLAST

SPT SmartCloud™

Store and manage data from multiple drilling projects in the cloud in seconds.



Cloud-based control

Access your surveying data in real time, wherever you are. SmartCloud™ allows you and your team to access data from any device, at any time.



Centralized and traceable

SmartCloud™ encrypts, centralizes, and syncs all data collected by SPT tools for total traceability, instant QA/QC, and real-time collaboration.

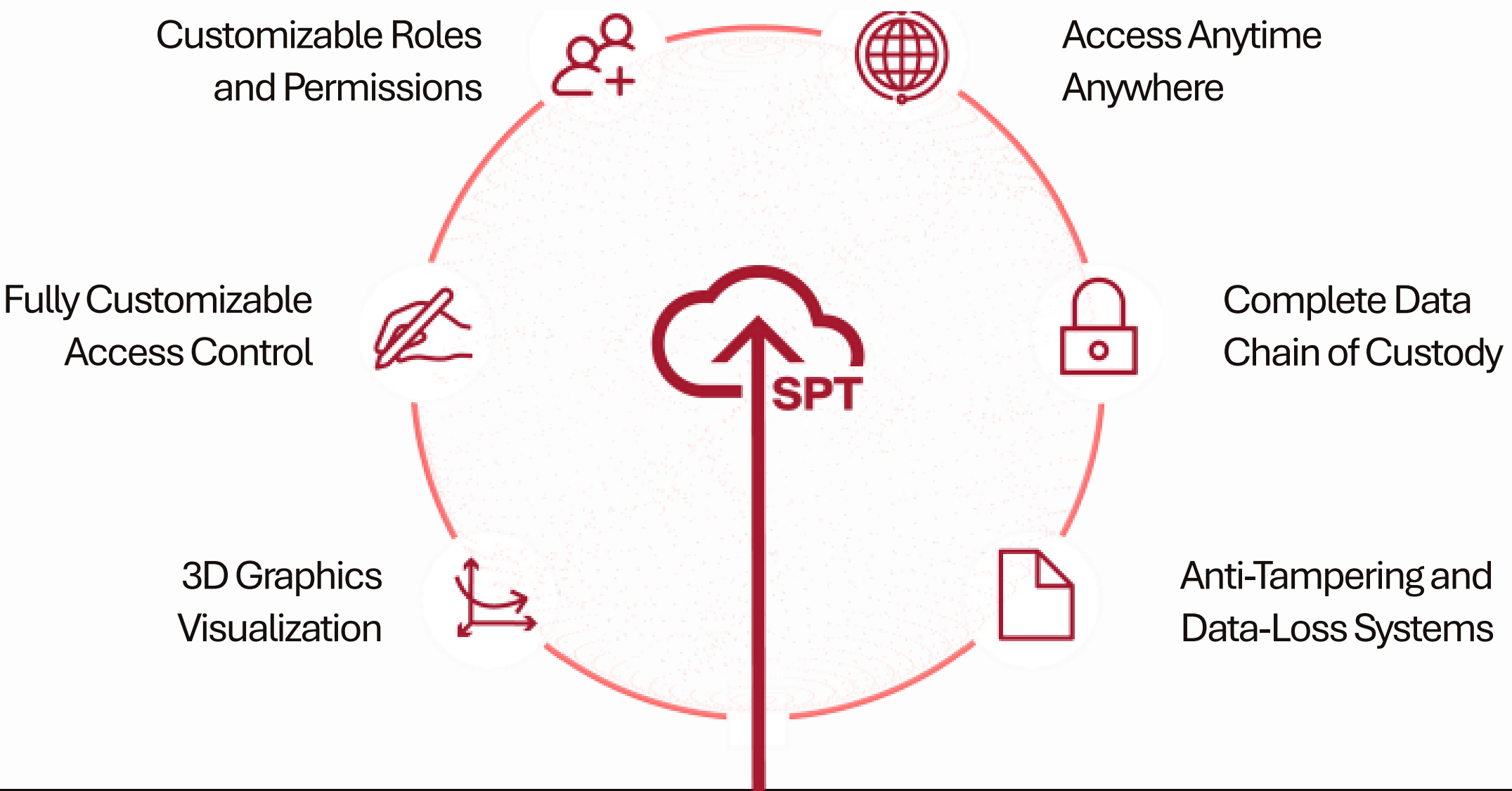


Trusted data chain

Ensures total data security with a multi-layered, auto-updating cybersecurity system.



SPT SmartCloud™

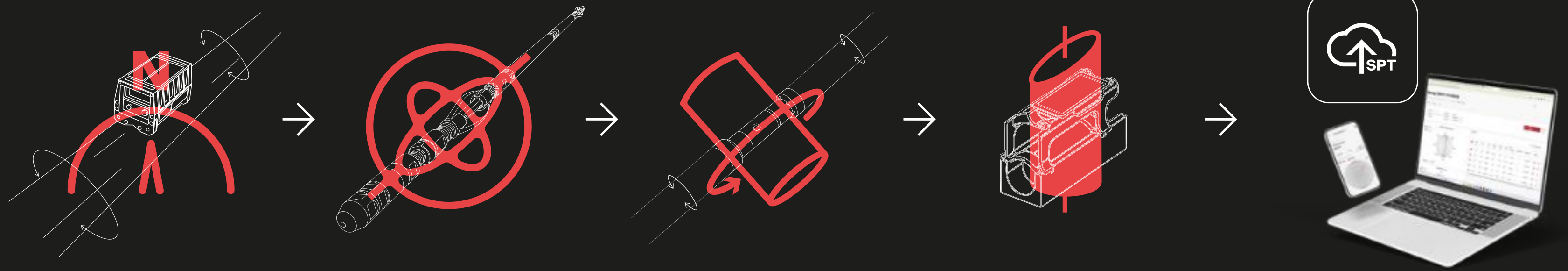




SmartCloud™

Full Data-Correlation for Accurate Structural Mapping

StructMaster™ seamlessly correlates structural logging data with the rest of the data from complete SPT ecosystem

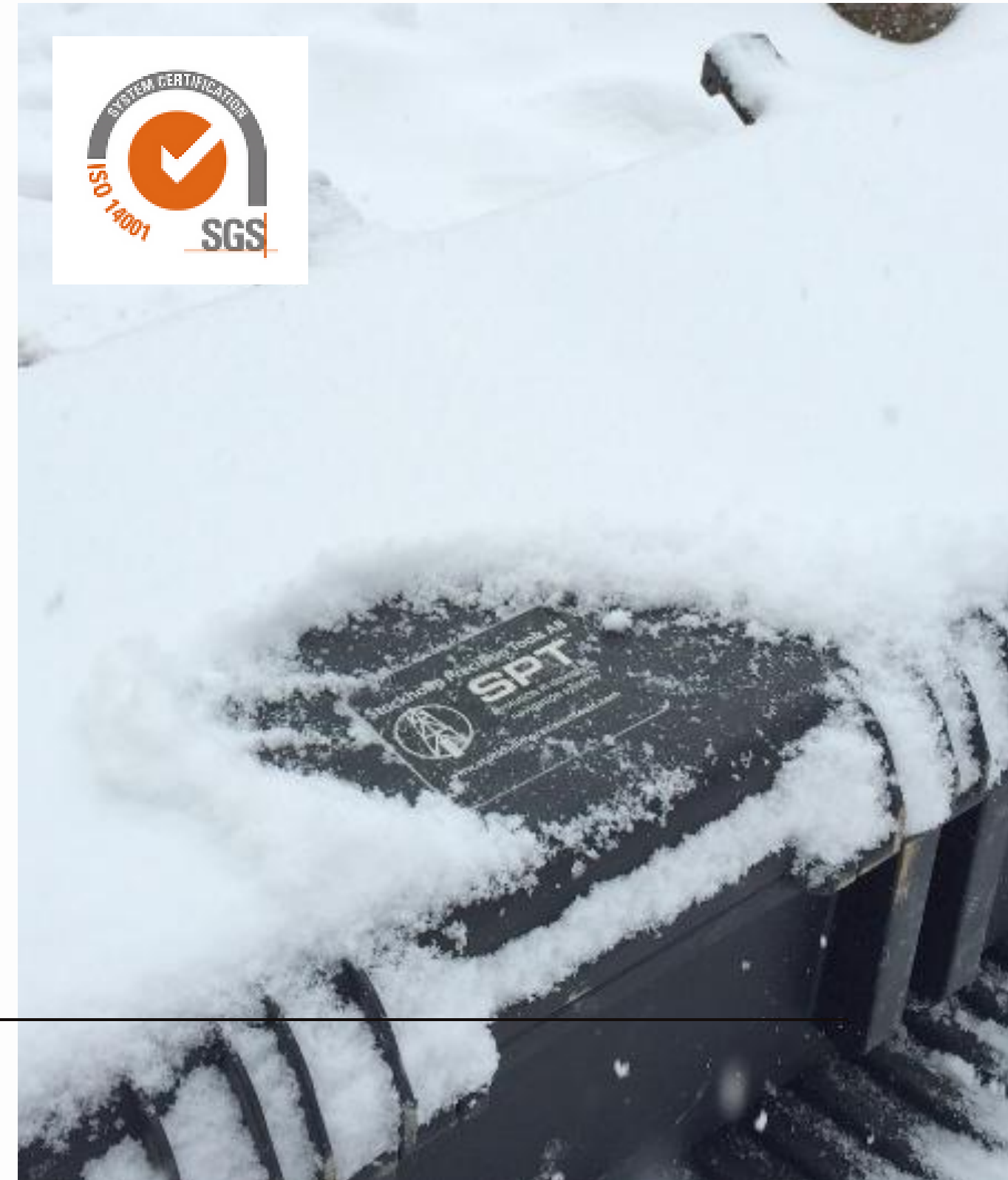


Committed to Quality Control

Environment

SPT is recognized for collaborating with companies that generate a positive impact in their communities, often serving as a reference for responsible practices in the sector.

Its ISO 14001 certification further reflects a genuine commitment to sustainability and environmental responsibility across all operations.





GyroMaster™: The fastest directional survey tool in the industry.

SPT's GyroMaster™ excelled in aspects such as precision, operation time, and quality control, outperforming other companies in a client's project in Brazil.

[READ MORE](#)



Control and precision in every blast hole with GyroScout™.

GyroScout™ enhances blasting efficiency and safety, reducing costs and environmental risks through accurate directional surveys.

[READ MORE](#)



Polestar Aligner optimizes drilling efficiency in Peru.

At one of its operations in Peru, a mining company reduced drill rig alignment time by over 60% thanks to the implementation of SPT's Polestar Aligner™.

[READ MORE](#)



[Link to catalogue](#) ↗

Contact us

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