



Directional core drilling Borehole surveying





The smart way

Devico is a Norwegian company specializing in directional core drilling for the mining and tunneling industry. We help our customers with equipment and services for steering their boreholes in the direction they actually want. Our products have been used in more than 40 countries worldwide.

Represented all around the world

Devico was established in 1988 and has greatly expanded in recent years. Today the company has around 30 employees shared between the head office in Trondheim, Norway and branch offices in Hong Kong, Bulgaria, South-Africa and Brazil. Devico's field engineers have many years experience in this business. In addition to Devico's in-house team, Devico products are represented by sales agents in all the major markets around the world.

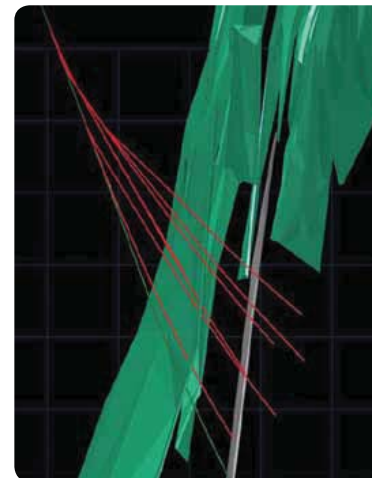


Directional core drilling

Our main product is directional core drilling. In this field, we are world leaders. The DeviDrill can steer the borehole and retrieve core samples from the rock simultaneously. The technology has been proven to give time and cost savings of up to 80 percent compared to conventional methods. Just as important is the increased accuracy and reduced environmental impact due to fewer drill rig setups. Start packages with all the necessary equipment for directional drilling are ready to be shipped to the field at short notice.

Borehole survey tools

Deviation control of boreholes is an important aspect in the art of drilling. Devico has developed a family of magnetic and non-magnetic electronic multishot survey tools for all kind of purposes, from non-magnetic rock formations to steel pipes. Devico survey tools are rugged, accurate and easy to use, which is important when drilling is performed more than 1000 meters under the surface. An electronic core orientation tool is also a part of the family.





Borehole survey tools

DeviTool Combo	Magnetic EMS tool
DeviTool PeeWee	Miniature magnetic EMS tool
DeviFlex	Non-magnetic EMS tool with strain gauge technology
DeviDip	Inclination measurement system with direct connection to spear head.
DeviCore	Electronic core orientation and inclinometer system

Creative solutions

At our head office in Norway we are continuously improving our products so that we will always offer the most efficient solutions for the mining and tunneling industry. We have skilled developers within our mechanic electronic and software departments, who work together to provide the best products possible for our customers. Devico has several products patented worldwide.



Quality assurance

We are committed to our quality assurance program to ensure we keep our customers satisfied. All equipment that is sent for field work has been through extensive testing in our renovated and extended workshop. The work shop is equipped with instruments for surface testing of the DeviDrill, calibration jigs for the survey tools and a test hole facility.

Devico is probably the only producer of borehole survey tools that has their own test holes starting directly from the workshop. Two test holes of 245 and 150 meters cover the needs for testing both magnetic and non-magnetic survey tools. The test holes are also a great asset for training and teaching borehole surveying to new and advanced users.






Diamond core drilling and related services
 On nature's terms


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References

"Devico has been an integral part of our deep drilling program at the Neves-Corvo mine in Portugal since 2006. Having the Devico crew on site helps us to hit our planned targets at depths down to 1,300 meters in an environment where drill hole deviation is difficult to predict. We would not be able to target accurately without it."

Bob Carmichael
 Group Manager, Resource Exploration
 Lundin mining UK Ltd.

"From January to September 2009, we drilled 45 holes (26,750 meters) using Devico technology. In a conventional drilling approach, we would have drilled 47,500 meters, so Devico saved 20,750 meters. The benefit of using directional core drilling in deep exploration is gained throughout the whole production chain. It offers: direct savings in meters and time saved when compared to traditional drilling, less logistics with core handling because there is less drilling, and better drilling accuracy for less failed holes."

Jukka Valimaa
 Senior geologist
 Agnico-Eagle Finland.

"We will not return to the mudmotor operation because of the numerous technological advances of the Devico System."

John Robbins, Chef Geologist
 Areva Recourses, Canada.

"Drilling 3 meters with a mudmotor in this formation takes the whole shift, while DeviDrill makes it in 45 minutes."

Blair Million, Supervisor
 Major Directional Group, Canada.




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TDS Nomad

Devico have for several years used rugged PDA's from TDS - the leading manufacturer of rugged professional PDA's. If your workers need the best tool to get the job done, you are welcome to contact Devico. They deliver the best there is!



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Triona makes custom software solutions for your company. We develop everything from mobile GPS based solutions to more advanced server applications.

For Devico we have the main responsibility for the development of DeviSoft™ Mobile, a PDA application used for collecting borehole data.



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