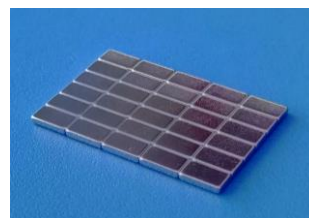


Outstanding Magnetic Properties  
Excellent Thermal Stability (operating temperature up to 350°C)

Learn more at [www.ctzrtc.com](http://www.ctzrtc.com)

## Customized magnet for your application

Zorr Technology is the leading samarium cobalt magnet manufacturer in China. With insight knowledge about material and production technology, Zorr Technology is capable of manufacturing customized high performance samarium cobalt magnets to meet customer's specific demanding application challenge from directional well, to HTHP wells. Zorr Technology's samarium cobalt could be operated under the most demanding and rugged down-hole conditions with stable magnetic properties.



## Our product could be used for application such as:

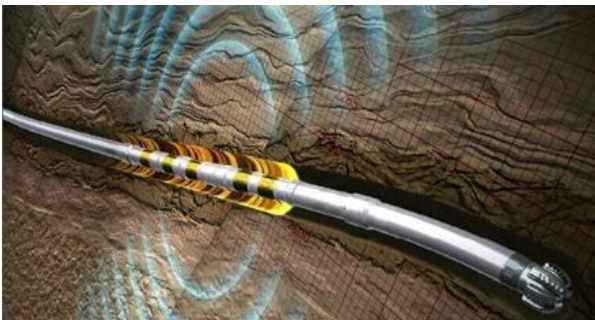
Electrical Submersible Pump Application  
Logging Casing Collar Locator Application  
Down-hole Turbine Generator  
NMR Logging Tools  
Down-hole Position Sensor  
Motor & Generator



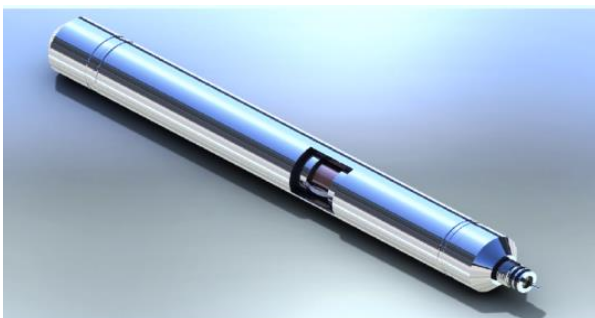
Artificial Lift is one of the key solutions that used in oil and gas production. Traditional induction motor ESP/PCP is high energy-consumed and less efficient. High efficiency Permanent Magnet Motor mounted with SmCo magnet breaks the convention of Electrical Submersible Pump, and could be operated in the most demanding and rugged environments, reducing operating cost, and maximizing the oil recovery for the operator.



In the upstream oil & gas drilling, MWD/LWD tools requires battery module to supply power. The tool applies turbine generator technology to sustainably transform the hydraulic energy into the rotation motion of turbine blade, which thereafter generates electricity energy for the tool operation. Zorr is able to develop high temperature SmCo magnet that could be operated up to 350°C



During oil & gas drilling, it is important to determine the position of BHA. With samarium cobalt magnetic sensor, the position sensor could provide stable high magnetic strength and endure high temperature down-hole condition.



The Logging Casing Collar Locator becomes a key depth control measurement for perforating, and for helping ensure the depth correlation of other wireline service performed in cased hole. With SmCo magnet, the tool could be operated in wide temperature range with stable, sensitive and responsive feedback.