

ELECTRONICS IN THE BOREHOLE

All deep wireline drills must deliver power to the cutting face and sense forces on the sonde to avoid cable knots. The U.S. National Science Foundation (NSF) Ice Drilling Program (IDP) is looking to inform future development with the best approaches to solving these problems in the context of the Foro series drills. The goal is to maintain safety, performance, and durability with a design that supports meaningful verification testing prior to deployment. Existing solutions are presented along with associated downsides, to spur discussion.

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