Student Job – Embedded Software Development

I-Tube Project

A borehole telemetry system for monitoring in real-time an underground drilling process.

Data acquisition / control unit

Depth-independent communication

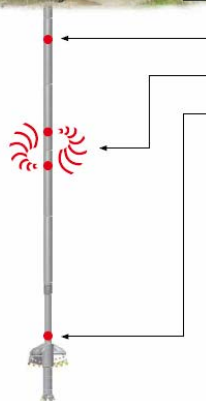Wireless communication of individual drill-tubes with sensors and actuators

Figure 1. Real-time communication in the borehole (Courtesy: STDS-Jantz GmbH & Co. KG)

Task: Implementation of a wireless sensor ad hoc network protocol in an embedded system.

Requirement

Good knowledge and skills in c/c++

Some experience with microcontrollers, RTOS

No. of hours per week: 8

Contact:

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