

Digital SCR

Integrated Drive Systems is uniquely positioned to provide modern drilling controls with modern SCR drive technology.

For nearly 30 years, SCR Drives have been the standard for offshore and land rig equipment. SCR drives provide many benefits including:

- Better control (versus mechanical drives)
- Enhanced drilling and tripping operations
- Lower maintenance costs

Most SCR drives used on drilling rigs have not taken advantage of the technological developments that have produced VFDs, AutoDrillers, and other modern drilling equipment. Most SCRs used on drilling rigs use old analog designs and technology that was developed more than forty years ago. They use outmoded analog circuits developed in the 1960's. Modern digital design provides a more cost effective drive, with more features, lower cost and higher reliability.

Integrated Drives Systems understands SCR drives. IDS personnel have utilized SCR drives for over 35 years! Our compact design enables a smaller package. IDS drives also have a low component count and common spare parts throughout the horsepower range. The same control board is used in all drive sizes. Our rugged oilfield design also has a high meantime between failure rate (MTBF). Our SCR systems provide a smaller and lighter equipment set than mechanical equipment.

DC motors enable relatively compact drawworks and rotary table designs compared to diesel powered equipment. Serial communications are used to tie power, control and instrumentation together into one fully-integrated system.



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