

anticollision

SYSTEM

Up to 20% higher tripping speed and significantly increased safety

The Bentec Anti-Collision System tackles head-on two key objectives in the drilling industry. Namely, the safety of the rig crew, by preventing structure and equipment collisions. And improved performance while tripping, by increasing tripping speeds.

Two redundant PLC systems – independent from each other – monitor the actual hook position, hook load and hook speed, to calculate the distance of the travelling equipment from crown block, drill floor and interlocked rig equipment. This results in an exact prediction of braking trigger points, to stop the movement of travelling equipment automatically, at working points and before it collides with the structure or other rig equipment.

This provides a high degree of protection, preventing personnel injury, rig damage and resulting NPT.

FULL INTEGRATION FOR SMOOTH OPERATIONS

Various Bentec equipment, such as Bentec Top Drive or Bentec Iron Roughneck can be interlocked with the Anti-Collision System. This eliminates collisions between the Link Tilt and racking board or travelling equipment and the Iron Roughneck. The Anti-Collision System is designed to be fully integrated with further equipment, such as complete pipe handling systems etc. via the Bentec Rig Zone Management System.

The Anti-Collision System does the job of continuously managing the travelling equipment position. It automatically brakes and halts hoisting and lowering. This means the driller can focus on actual drilling tasks, instead of being potentially overwhelmed with information and controls.

Exact calculation of automatic braking means manual repositioning to pre-defined working points like fingerboard or tool joints is unnecessary. This promotes repetitive hoisting and lowering of the travelling equipment and leads to significantly higher tripping speeds of up to 20%. All of which results in enhanced rig performance and faster wells.

- ▶ Higher tripping speeds of up to 20%, enabling faster well delivery
- ▶ Repetitive and predictive rig tripping performance
- ▶ Increased levels of safety
- ▶ Collision avoidance reduces NPT



TIME
REDUCED
BY 20%

Higher tripping speeds of up to 20%, enabling faster well delivery.

▶ Keep your personnel safe and increase efficiency with our Anti-Collision System. Get in touch with sales@bentec.com