**Drilling Equipment Presentation**

**Drilling Equipment Composition**

* Drilling-Leader-Tower-Base (DLT-Base)
* DLT-Crown
* Drilling Machine (DM)
* Casing
* Spoil management system (SMS)

**Drilling Machine Composition**

* Kelly
* Slip Table
* Rotary Table
* Drill Bit

**Installation order:**

DLT-Base > DLT-Crown > Casing > DM (> SMS)

**Kelly**

Kelly Profile allow the RT to rotate and the RT & ST to move on the section of the Kelly

Tables work together to provide the Rotation and Continuous Feed for the drilling process

**Rotary Table**

The Rotary Table provides the rotational drive to the Kelly, also incorporated into the Rotary Table Structure is a Slip Assembly which grip the Kelly and hold back the weight of the Drill Assembly as required to control feed

**Slip Table**

The Slip Table locates on the respective Carriages in the Leader Tower by the vertical Carriage Location Pins and locks into the Carriages with the horizontal Carriage Locking Pins. The Locking Pins are fixed to an actuated section of the Slip Table Arm, which when retracted helps the Slip Table to pass down past the Rotary Table Carriage and when extended, locates and locks the Slip Table to the Carriages.

The Slip Yoke is constantly engaged on the Kelly This engagement ensures the Slips are constantly aligned with the contact face on the Kelly and avoids the requirement to stop rotation in order to align the Kelly with the Slips when they are required.