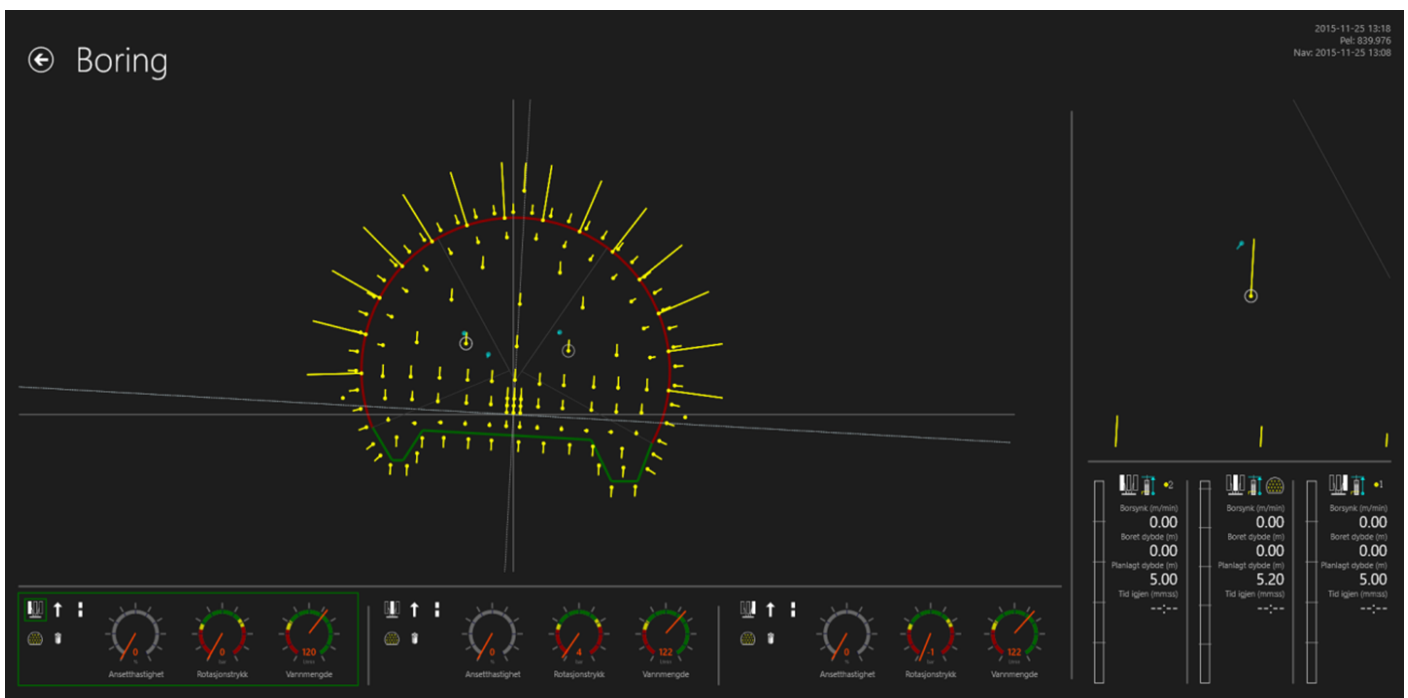


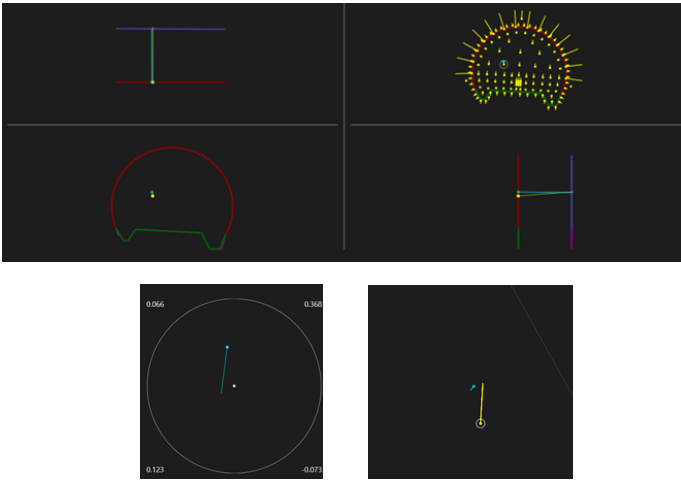
Bever Computer Control System V6

Our newest software for computer controlled drilling operation in tunnelling



Blast drilling can be guided or automatically controlled by our computer system. The display shows accurate design of drill pattern and gives the operator the necessary tools to operate the positioning system. Sensors are installed for all axes of the booms.

- Less volume to excavate, less concrete consumption for lining, less bolting through more accurate contour control
- Less surveyor assistance on site
- Less quality control work



Round drilling and blast pattern adjusted to expanding tunnel cross-section area. Face view and top view can be displayed. From the face view, we display actual collar position and look-out. Top view shows planned and actual drilling depth. The depth hole can be accurate controlled to obtain a pre-programmed bottom face. Reduced scaling, smooth blasting and reduced vibration can be obtained



Operation from touch screen. The system includes alarm monitoring, running hours reporting and warning on service intervals

Modular system that can be adapted to customer's needs

- drifter control and logging
- angle system
- manual drill pattern positioning
- automatic drill pattern positioning



Mechanical, hydraulic and electric components on the jumbo are best quality and well protected. Sensors have robust mechanical enclosures, and cables on the booms are protected in hydraulic hoses.

The arrangement is optimised for easy access and maintenance with dust and waterproof protection.

Bever Control Story

Norwegian contractors introduced the concept of computer controlled drilling as early as 1979 when the first AMV computer controlled jumbo was set in operation. Bever Control is the pioneer company for this technology world wide. We have delivered our system to several hundreds of drill rigs and has set the standard for the performance of computer controlled drilling rigs system.