

Motorway construction for German auto route

Case Study



Major construction company GP Papenburg used Prolec's latest 3D excavator monitoring system, Digmaster Pro, in the construction of the new German auto route A20.

Digmaster Pro was chosen by GP Papenburg to enhance the productivity of their excavators in earthmoving and road construction. One of the reasons for choosing Digmaster Pro was the intuitive graphical user interface (GUI) which, with its icon driven menu, enabled the operator to fully utilise the system rapidly and easily, achieving optimum productivity from the first day of installation. With the ability to upload the multi layered digital terrain map (DTM) into the onboard Digmaster Pro computer, stakeout work was reduced to a minimum.

The efficiency of the job was enhanced further by the number of visual indicators that the operator was able to use, such as the external or on screen LED bar, auto zoom feature and rainbow bucket. The operator was also able to choose a variety of screen views including profile, plan and full 3D.

The client chose AS8 marine grade CANBUS sensors to enable them to use the system for dredging work if required. Key purchasing factors for the client were the ability to switch easily between 2D and 3D modes, as well as being able to use their choice of RTK GPS solution. Since purchasing their original Digmaster Pro, the client has purchased two additional systems.

Who

GP Papenburg

Summary

Digmaster Pro was chosen by GP Papenburg to enhance the productivity of their excavators in earthmoving and road construction.

Services provided

- The AS8 angle sensor utilises advanced optical technology in an innovative application to provide highly accurate and reliable angle information.
- Ability to switch between 2D and 3D modes

Benefits delivered

- Digmaster Pro records the work progress against the plan
- Optimum productivity from the day of installation due to the intuitive graphical user interface

