

Flexible laser -and GPS+ equipment saves a lot of time



“The Control Box watches everything closely.”

“Working with professional positioning equipment gives customers confidence.”

Verhelst Aannemingen NV is an independent subsidiary company of the Verhelst Group, a large family firm since 1925 which is located on the west coast of Belgium near Ostend. Personal initiatives and takeovers of particular companies mean that the Verhelst Group is nowadays one of the most important market players within the Belgian construction industry. There are around 500 employees and the group has a consolidated turnover of 100 million Euros.

Verhelst Aannemingen NV carries out a hugely diverse range of projects such as: demolition, earthwork, excavation and levelling and also the construction of roads, sewers, infrastructure, earth and recycling activities. Mr. Ken Vanleke, a surveyor at Verhelst Aannemingen since 2004 says: “We undertake jobs for public entities as well as private companies. As customers are making ever greater demands for quality and also desire shorter time scales, we have to plan carefully and work with professional equipment.”

Vanleke: “In May 2006 we were able to carry out an extensive project with a minimum of personnel. This was the breaking up and levelling of the sea dyke for the casino in Ostend. This was a pretty tough job as the height of the dyke was completely variable over the whole stretch. As a surveyor I can survey the whole working terrain by myself through the use of GPS+ and this results in a precise plan. A special software programme converts the surveying data to a Topcon System 5 3D Control Box. This is a minicomputer with an integrated monitor which is located in the bulldozer’s cockpit. The Control Box is linked to a large number of satellites through a GPS+-system so that the precise position and height of the bulldozer can be determined. The earth moving activities can be carried out very precisely and fully automatically in this way. For more straightforward projects, such as the construction of car parks, we connect the same Control Box to a very precise Topcon laser system. As the systems can be changed over very quickly, we save a lot of time. This is good for Verhelst and also for the customer.”

 **TOPCON**

Topcon Belgium
J. van Doorslaerstraat 6
1840 STEENHUFFEL
Phone: +32 (0)52/37.45.48
Mail: office@topcon.be