Product presentation
## 'Creating Parcel Plots with GPS and GIS'

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Creating parcel plots in the field is a tedious and labour intensive task. Marking the edges of the parcel block and the paths between the parcels is mostly achieved with conventional surveying methods. Chalk lines are subject to being washed away by rain or surface runoff. Geographic Information Systems (GIS) and Satellite Navigation Systems can help to substantially increase efficiency when it comes to creating and maintaining parcel plot trials.

RTK GPS systems can determine a position with an accuracy of 2.5 cm. When installed on a tractor as part of an automated steering system, RTK GPS receivers help to keep the vehicle on track with the same accuracy. They also serve to trigger signals when predefined positions have been reached.

Geographic Information Systems (GIS) can create, display and manipulate spatial data such as field boundaries and the outline of parcel plots and parcel blocks. GI Systems can be very useful when it comes to fitting parcel blocks into a field boundary or to find the best location within a field with variable soil conditions.

During the **field demonstration** a Fendt 712 tractor with a Trimble AgGPS RTK Autopilot system and a Trimble AgGPS 170 terminal will be presented. The terminal provides the capability to record data and to process prescription maps for variable rate control. It also features a remote output signal that is triggered when the system passes by predefined points. This feature will be demonstrated with a pre-prepared dataset. Appointments for individual presentations of the planning software after the demonstration are welcome.
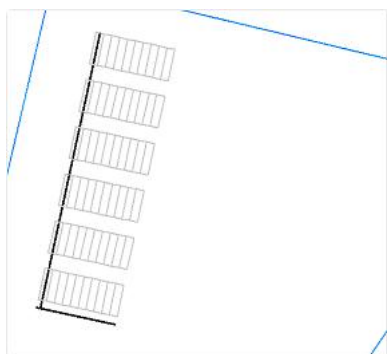
geo-konzept GmbH (founded in 1992) is a system integrator and reseller of GPS and GI systems for agricultural applications. Besides the distribution of parallel swathing and automated steering systems, geo-konzept has its focus on the customized integration of hardware, software and electronic components