

Automation in agricultural harvesters

Relieving the operators of self-propelled harvesters

Customer requirements

The aim of the project is to relieve the drivers of harvesters by employing suitable camera and sensor technology.

Especially when it comes to forage harvesters the operator has to concentrate on both the control of the vehicle as well as the spout. An automated system should make it possible to recognize the trailer driving alongside the harvester and to be able to automatically control the spout in such a manner that the full harvest lands in the trailer. In order to realize this, varying types of harvesting situations and conditions have to be taken into account.

Technology used

Camera technology, sensor technology, CAN interface, user interface, control and feedback technology

comlet solution

In order to realize such a system, one needs the help of cooperating partners in order to develop an extensive software and hardware package.

First of all, the hardware has to be integrated into the harvester. After the installation of a first test version comlet will undertake performance tests during varying harvesting conditions which will lead to continuous system improvements and extensions. In addition, comlet realized a user-friendly operability of the system whilst taking the different country specifics and requirements into account.

