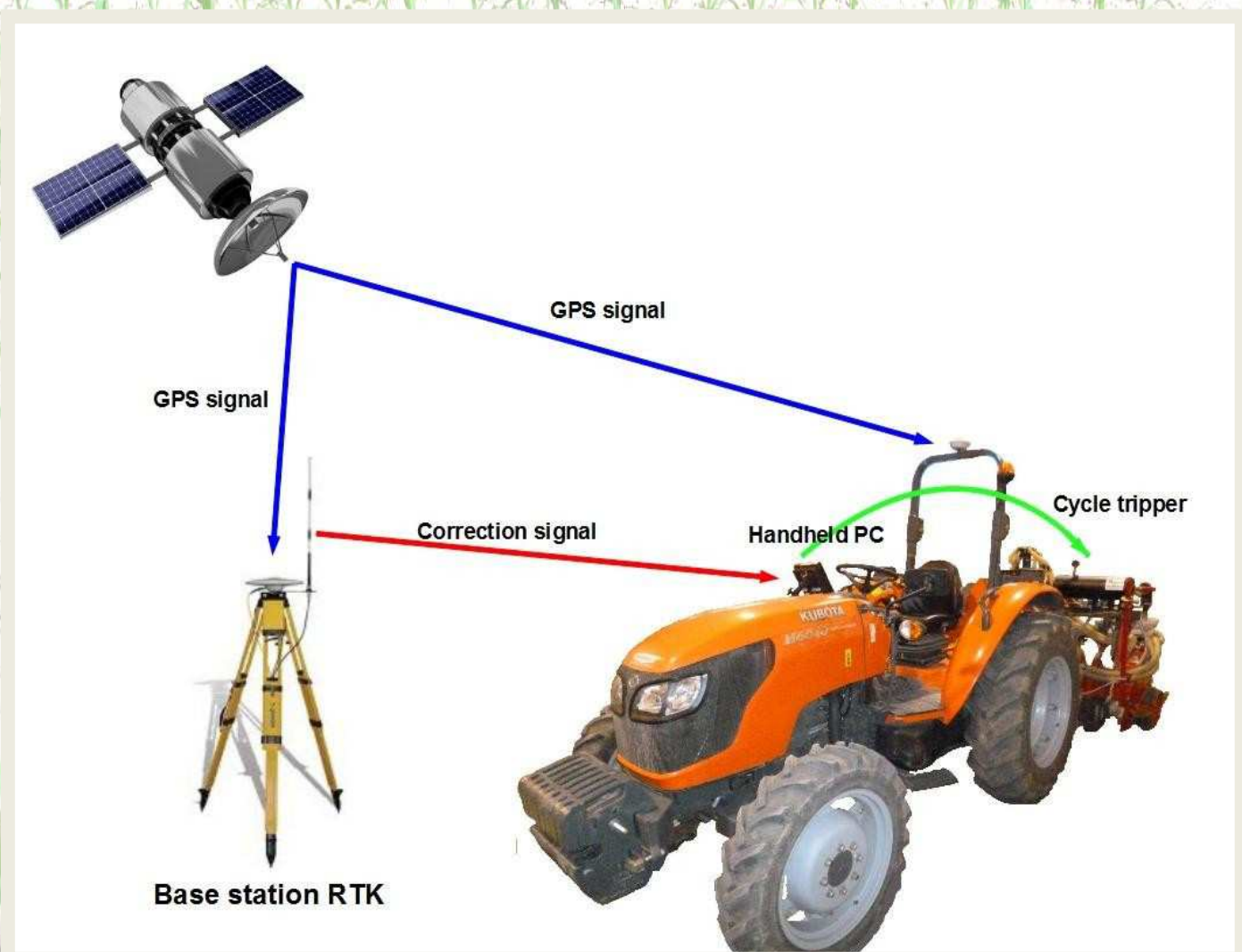


## GPS tripping system

Repros GPS (Global Positioning System), adopts the most advanced technology in precision farming.

The system, installed on a plot planter, lets the working cycle start, without any cable system or manual field measurement.

With this kit, it's very easy and quick to set plots length.







The GPS tripping system is composed by:

- 1 device receiving and managing the GPS signal,
- 1 RTK “Base station”, in order to increase the accuracy of the position (< 2,5 cm),
- 1 specific program,
- 1 interface allowing to receive the pulse from the system and moving it in order to manage the cycle of the plot planter,
- Antennas and cables.

## SYSTEM WORKING PROCESS

After a first field squaring the GPS system maintains a perfect alignment. As the trial starting point and trajectory have been fixed, the planter can start working, without any markers on the soil. The starting of each plot cycle is tripped by the GPS signal instead of the traditional cable.

It's possible to create a work sheet, that requires a field mapping and a trial projecting. In this case different plot length can be set: the system will automatically manage everything, according to the projected work sheet.

The GPS tripping system can be moved, at harvest time, on a plot combine: the main advantage is on the NO STOP system, where the system can trip automatically the harvesting cycle, leaving the operator free to be involved only in monitoring the process.



## BENEFITS OF THE SYSTEM

- **More accuracy:** GPS planting provides better precision than the traditional methods of distance measuring, alleys will be perfectly aligned,
- **More safety:** in comparison with the traditional plot planting, many moving components have been eliminated: cable, check heads, cable winder. Moreover no operator has to come down from the machine for fixing the anchor,
- **Less mishaps:** no mechanical jamming, since some mechanical components have been eliminated,
- **More flexibility and simplification:** possibility of changing plot length, no soil marking, no item connected to the cable system, possibility of projecting the trials in the office reducing the work in field,
- **More efficiency:** all the mentioned advantages allow a higher working capacity.

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