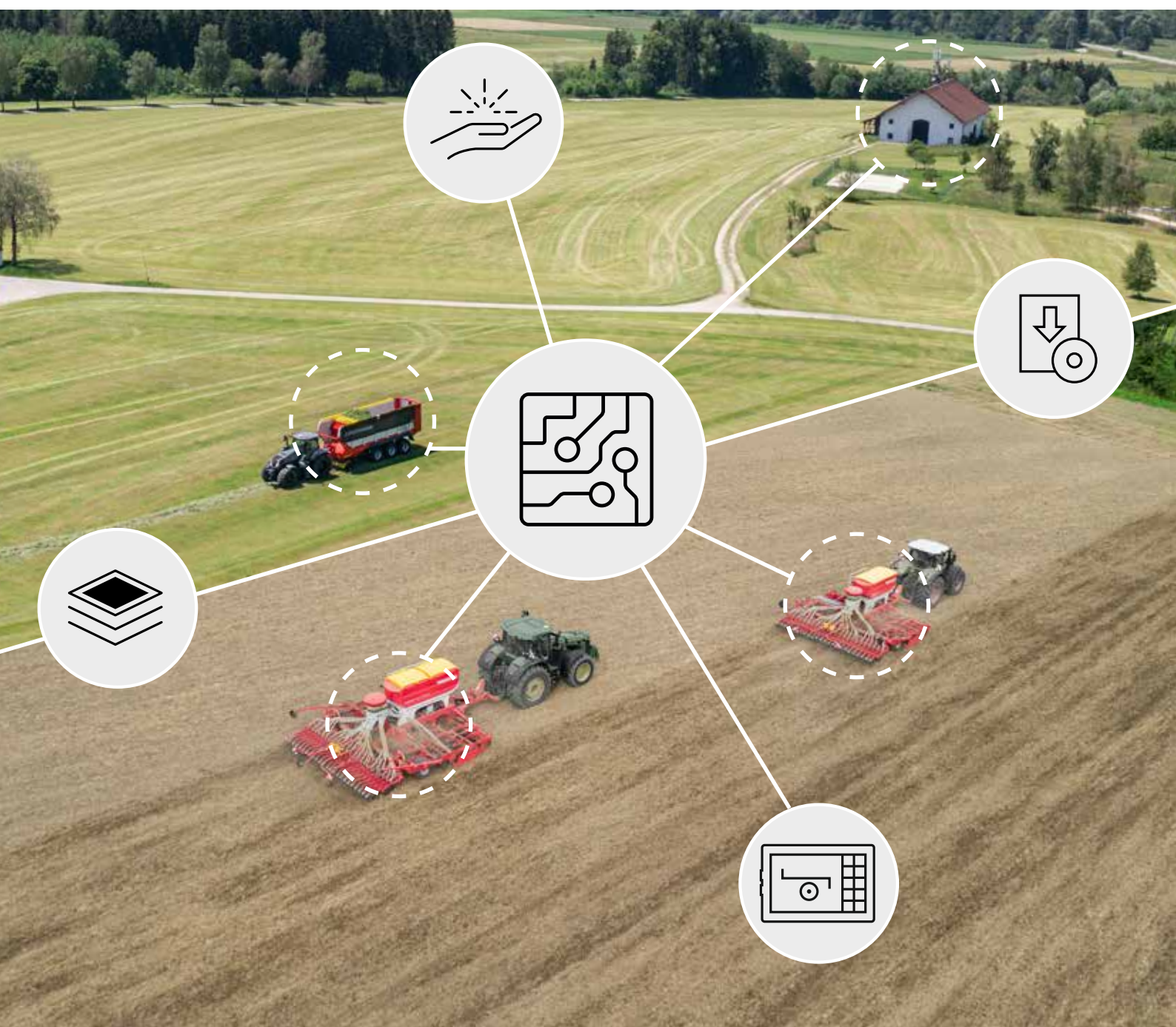


# Clever farming








## Networked farm management – for more success



Following the increase in digitalisation of agricultural technology it is becoming more and more important to network individual systems and define manufacturer-independent standards. Data exchange between individual components is possible thanks to PÖTTINGER's cooperation with various service providers, bringing many advantages into the field. We offer you numerous ways of making your everyday work easier so that you can operate more efficiently and conveniently.

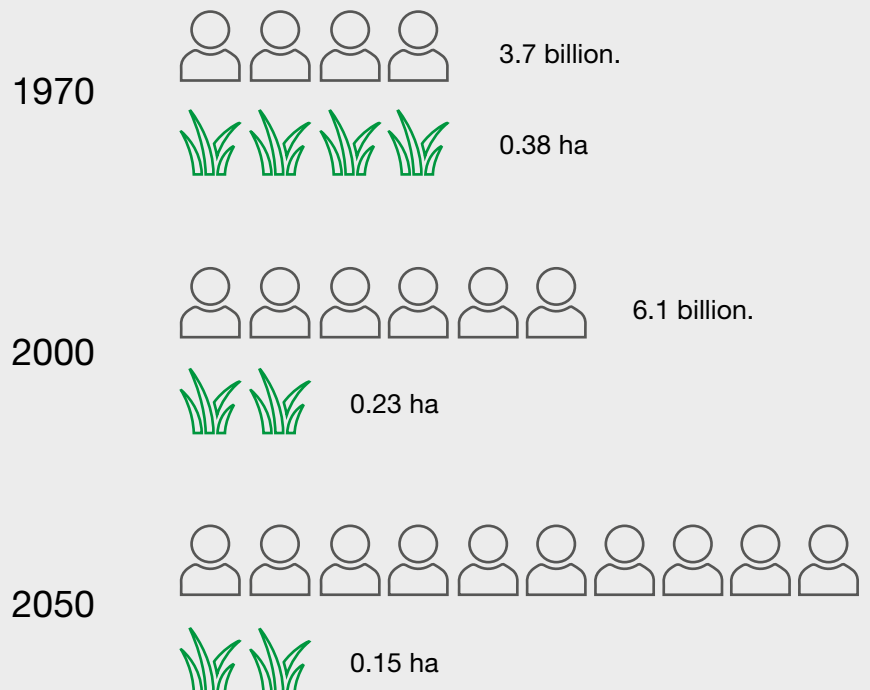
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All information on technical data, dimensions, weights, output, etc. and the images shown, are approximate and are not binding. The machines shown do not feature country-specific equipment and may include equipment that is not supplied as standard, or is not available in all regions. Your PÖTTINGER dealership would be pleased to provide you with more information.

# The advantages of digital agricultural

## Area of agricultural land available per capita\*



## Agriculture in transition

Today's farmers have to face increasingly greater challenges: increasing operating costs, climate change, strict documentation regulations and higher capital investments to name just a few. Agriculture is currently dependent on a range of factors that have significantly changed the industry and will continue to do so in the future.

### Rapidly growing world population

A glance at the statistics indicates: In the 1970s there were about half as many people on Earth as there are today. And this trend is continuing: Over the next 50 years, experts believe that the Earth's population will rise to over ten billion people. More than ten billion people who need to be fed.

## Increasing productivity

Agriculture has changed enormously in the last century. In 1950's 15 people per farmer were able to be fed, it is estimated that by 2030 each farmer will need to feed between 150 and 200 people. Mechanisation, progress in breeding and also digitalisation are some of the milestones that have made this development possible.

## Decreasing agricultural area

The ongoing increase in building and road construction has led to the area of agricultural land per capita being more than halved compared to 1970. This means less than half of the original farming area for twice as many people.

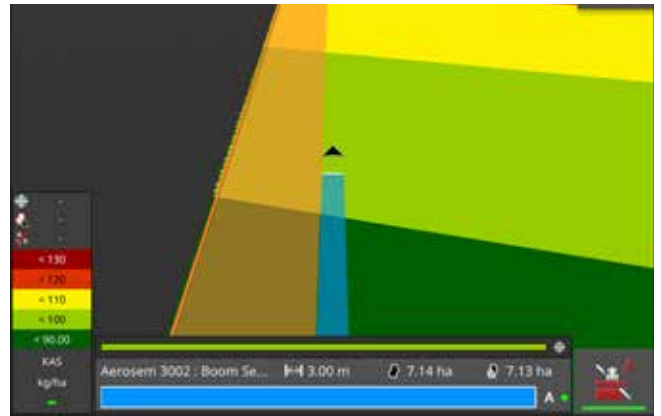
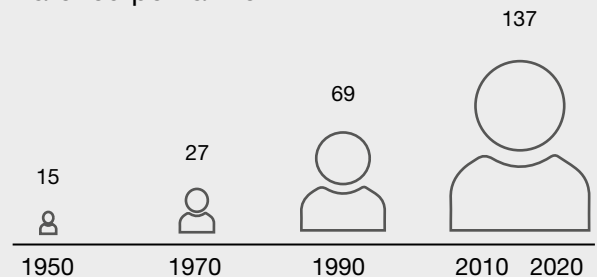
(Source: [www.statista.com](http://www.statista.com))



9.8 billion.

\* Source: [www.statista.com](http://www.statista.com)

Number of people that are fed per farmer\*



## Digitalisation in agriculture

Digitalisation is about transforming analog values into digital formats. Data can then be obtained, evaluated, stored and used for information purposes.

This makes important agronomic data available, such as output by area during an process, yield mapping or site-specific seeding rates. You will also need this information for your documentation.

The information about the process is collected and transmitted in real time directly to the documentation system in your office. This means that data related to the field, machinery and office are networked with each other.

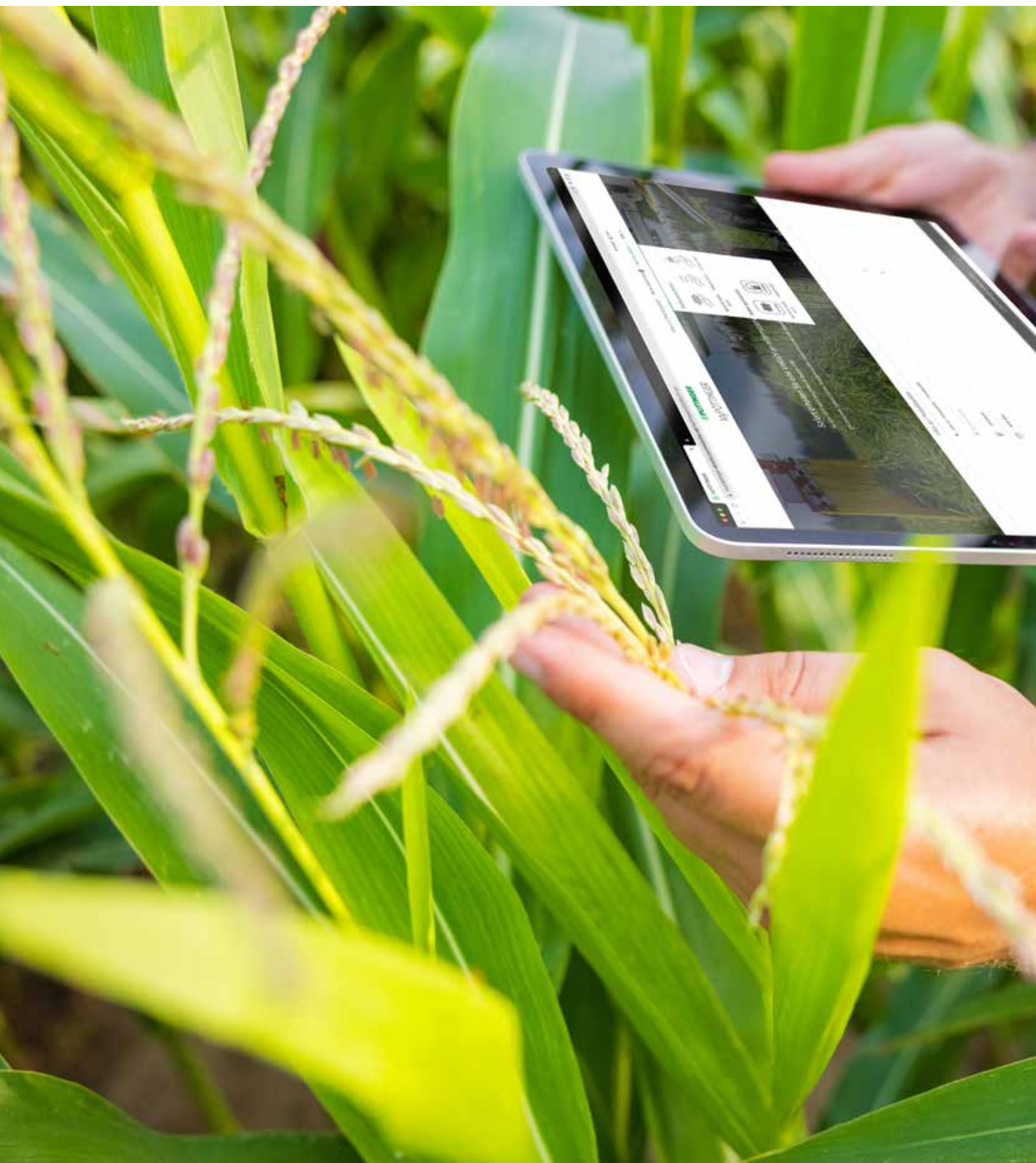
## The significance of precision farming

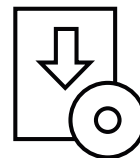
In order to meet the challenges of the future, agriculture must be fit for purpose and efficient. Less agricultural land for a larger global population means that the available land must be used in the best possible way, i.e. extremely precisely. Smart Farming, or Precision Farming, includes the following:

- Site-specific processes and precision management of farmland ...
- ... taking into account biotic (e.g. potential pests) and abiotic (e.g. soil composition, temperature) factors within each field.

The prerequisite for Precision Farming is networking so that data can be exchanged between each piece in the puzzle and processed for information purposes.

software





## Making your working day easier

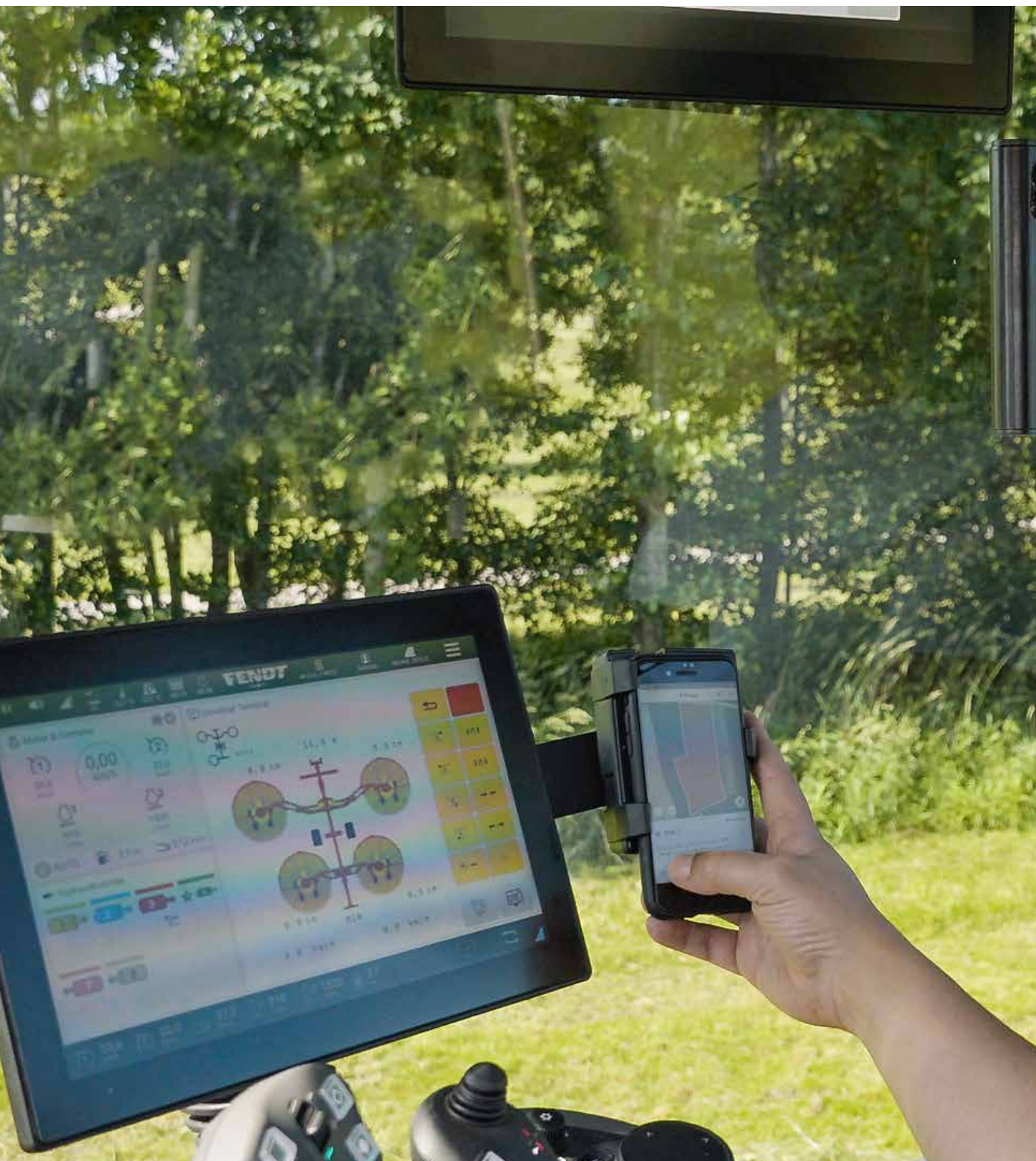
Machines are becoming more and more precise and can perform several tasks simultaneously. The range of software solutions available is increasing.

The aim of the various providers and applications is to make the farmer's work easier. Cost effective advantages can be achieved by using intelligent technologies. Ultimately, this means more convenience, time and profit for your business.

At PÖTTINGER, we offer you numerous possibilities in the field of digital agricultural technology that make your everyday work easier so that you can operate more efficiently and conveniently.



# Apps







## Work made easy

The apps developed by PÖTTINGER are designed to make your everyday work easier. They have each been developed by farmers for farmers, and guarantee intuitive handling for every user. At the end of the day, you can focus on the important things and also save a lot of time.

### Arable farming

- **METERING WHEEL ASSIST** makes it easier to select the right metering wheel for your seed drill. The app calculates the optimum metering wheel for the application using various parameters such as the seed drill model, driving speed, type of seed and seed rate.

### Grassland

- **HARVEST ASSIST** optimises the grass silage harvest. The app helps to coordinate the most efficient flow of crop to the clamp so that deliveries do not all arrive at the same time and idle times are avoided. Each participant can see what is happening live and which fields need to be started or finished next.

# Optimisation of the harvest chain



## The best forage

The free HARVEST ASSIST app helps achieve a higher harvesting performance. The app optimises the sequences between the rake and the loader wagon so that delivery peaks at the clamp are avoided. The result is a mass flow-dependent field processing sequence for dynamic harvesting. The compaction vehicle at the clamp can then neatly distribute and compact each load of crop delivered one by one to produce the best forage.

## Clearly colour-coded

The overview showing the status of each field is colour-coded (Not processed, Raking in progress, Ready for loader wagon, Harvest completed). This way, everyone in the team can see what is happening in which field.

## For intuitive operation

The app can be opened on your smartphone, so no additional hardware is required. You will quickly find your way around, because the app is designed so intuitively. For easy documentation, the each load is counted based on GPS data to determine the yield.

## Simple and fast capture of the fields

Adding a field is intuitive, and allows fields to be created, customised and selected. Site-specific field properties can be defined to assist the drivers. In addition, yield and dry matter are determined for documentation of the silage mass.



# HARVEST ASSIST



## Working cost effectively

The locations of the harvest machines are displayed in real time. This makes it easier to coordinate and display operations. Waiting times and unnecessary journeys are avoided. Because there is an integrated route planner, it is easy to navigate to the fields. People who are not familiar with the farm can immediately spot the fields that are displayed and easily find their way to their next field.



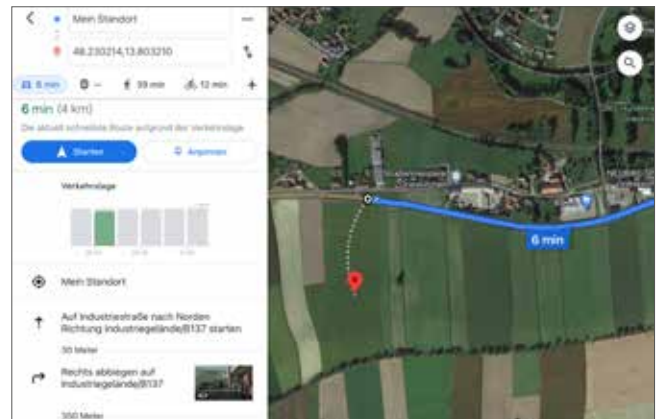
## Dynamic route guidance

The loader wagons are deployed dynamically to the fields according to the set strategy. This ensures that there is a constant flow of material to the clamp and that it can be optimally compacted. Using the navigation function, the route can be displayed directly to the field entrance. The entrance to each field can be clearly defined. This ensures the field is accessed efficiently.



## Live location

The location of each team member is displayed in real time. An overview of all group members is therefore provided. Communication becomes easier as a result.

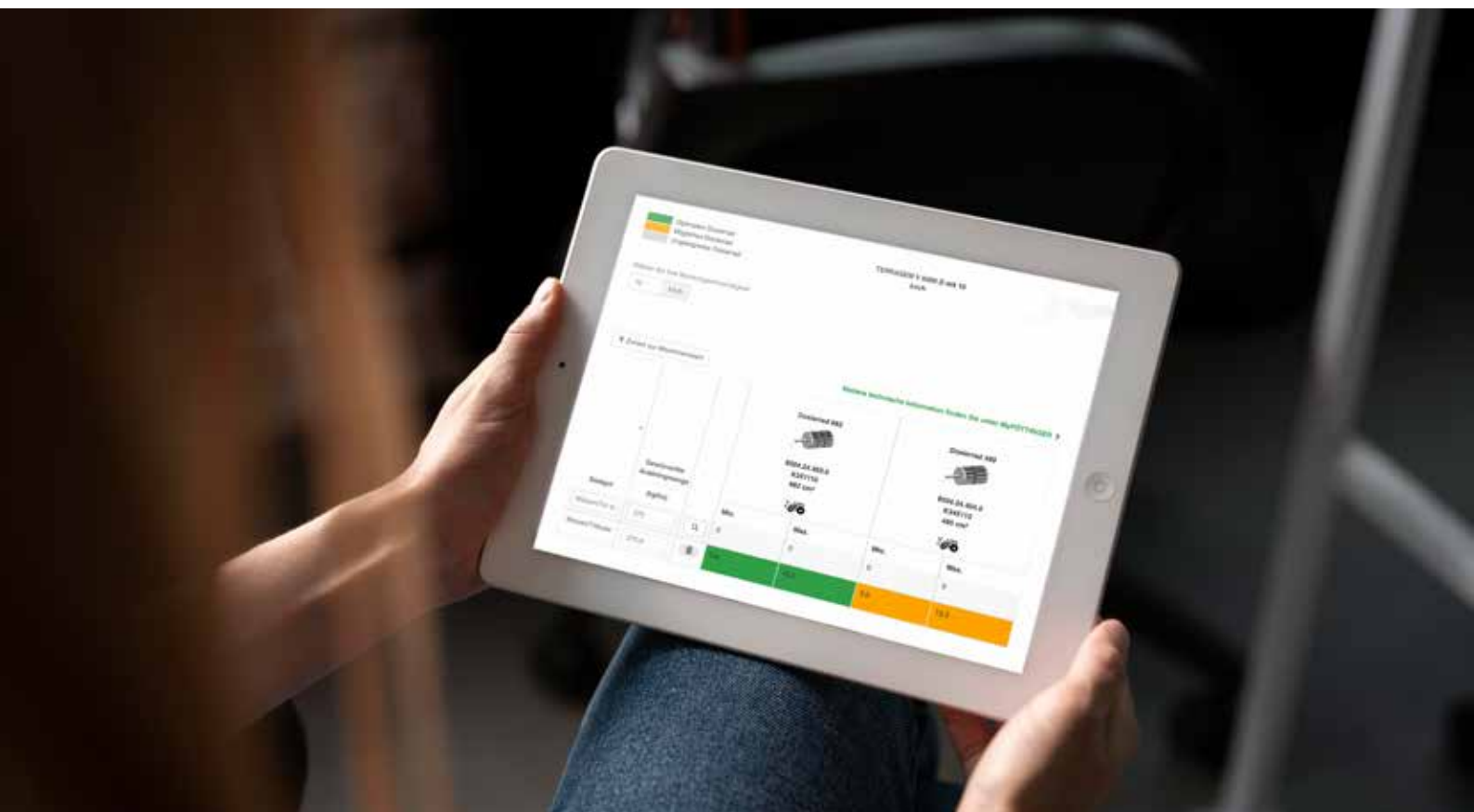


## Each driver finds the quickest route to the field.

Several rakes and loader wagons can be deployed manually or automatically. This creates an automatic harvesting schedule that can be worked through field by field.



# Metering wheel selection



METERING WHEEL ASSIST is an online tool that we have developed to help you find the perfect metering wheel for your seed drill.

You can use this app to find the best metering wheel in just a few clicks. Choose from single metering wheels as well as dual metering wheels depending on the machine type. The bandwidth of the minimum to the maximum application rate of the metering wheels extends from 0.8 to 420 kg per hectare. This covers all conventional seeds from poppies to peas and various types of mineral fertiliser in pellet form.



The following QR code takes you directly to the application:

## Pneumatic seed drill technology with electric metering

This application only applies to pneumatic seed drills with electric metering. For seed drills with mechanical metering, METERING WHEEL ASSIST is used as a guide.

Please note that the metering wheels we suggest are based purely on a mathematical calculation.

From experience we know that sowing is influenced by many different factors (e.g.: different site conditions, type of seed material, basic machine settings, and many more), which is why we cannot give any guarantee for the correctness of the metering wheels suggested. Our latest feedback from the field is always used to keep the METERING WHEEL ASSIST app up to date.



### Choose your machine

In the first step you can choose your machine. All machine models are shown here.

- AEROSEM A / ADD pneumatic seed drills
- AEROSEM FDD pneumatic front hopper seed drills
- AEROSEM VT trailed pneumatic seed drill combinations
- TERRASEM C and V mulch seed drills
- AMICO F hopper

### Choose metering wheel

In the next step you can choose your drilling speed. Next, select the seed type or fertiliser. Now set the required application rate.

The suggested metering wheel is then displayed. A distinction is made between three categories:

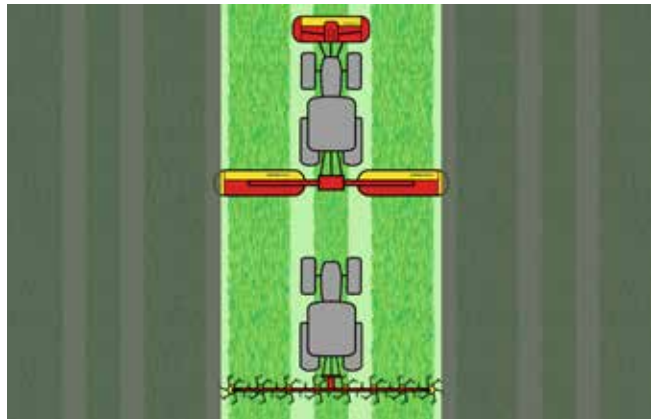
- Optimum metering wheel (green)
- Possible metering wheel (orange)
- Unsuitable metering wheel (grey)

If several optimum metering wheels are displayed for the same seed type, it is generally the smaller metering wheel that is ordered.

# HAYTOOL ASSIST

## Search, and you will find

Match your tedder to the working width of your mower to get the highest utilisation and best work quality from your machines. The best spreading quality is achieved when the tedder completely covers the swath of mowed grass on each pass. And ideally, the tractor should drive along a forage-free lane. The forage then remains loose on top of the grass stubble, making it an easy target for the tines. HAYTOOL ASSIST helps you quickly and easily find the right tedder for your mower.



## Select your mower(s)

In the first step, you can combine front mowers with rear mowers or mower combinations, or select them individually. You can determine important options yourself:

- Mowing strategy (driving in a circle or mowing in passes)
- Number of swathing discs or swath width for mower with conditioner
- Mounting width for rear-mounted mowers or mower combinations

The mower swaths are displayed directly in an image according to your settings.

## Find the right tedder

In the next step, you can select the tedder from our wide product range. The image shows at a glance whether the working width of the tedder matches the mower. For the best overview, the area not covered is darkened.

You can move the tedder left and right to try out all the possible configuration options.

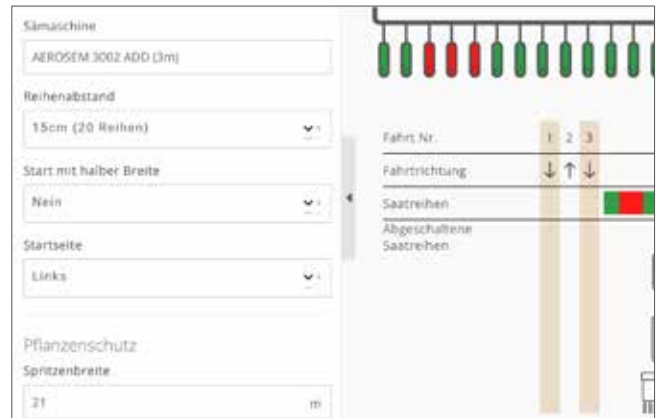


The following QR code takes you directly to the application:



## For a perfect match

To set up the optimal tramline system, you need to synchronise your machinery. TRAMLINER ASSIST helps you to do this. When choosing your seed drill, parameters such as the working width of your crop care machines, track and tyre widths are critical for optimising tramlining. TRAMLINER ASSIST identifies the tramline rhythm for you, the position of the tramline rows, and the number of rows that need to be switched off.



## Select your machine parameters

You can select your required or existing parameters in the seed drill menu.

- Seed drill: Choose from all current mechanical and pneumatic seed drills available
- Row spacing along with number of rows
- Choose between start with half working width or start with full working width
- Select start on left or start on right

The tramline rhythm is displayed according to your settings and the seed rows that need to be switched off for the tramline.

## Select tramlines

Here you select the parameters for your crop protection machinery.

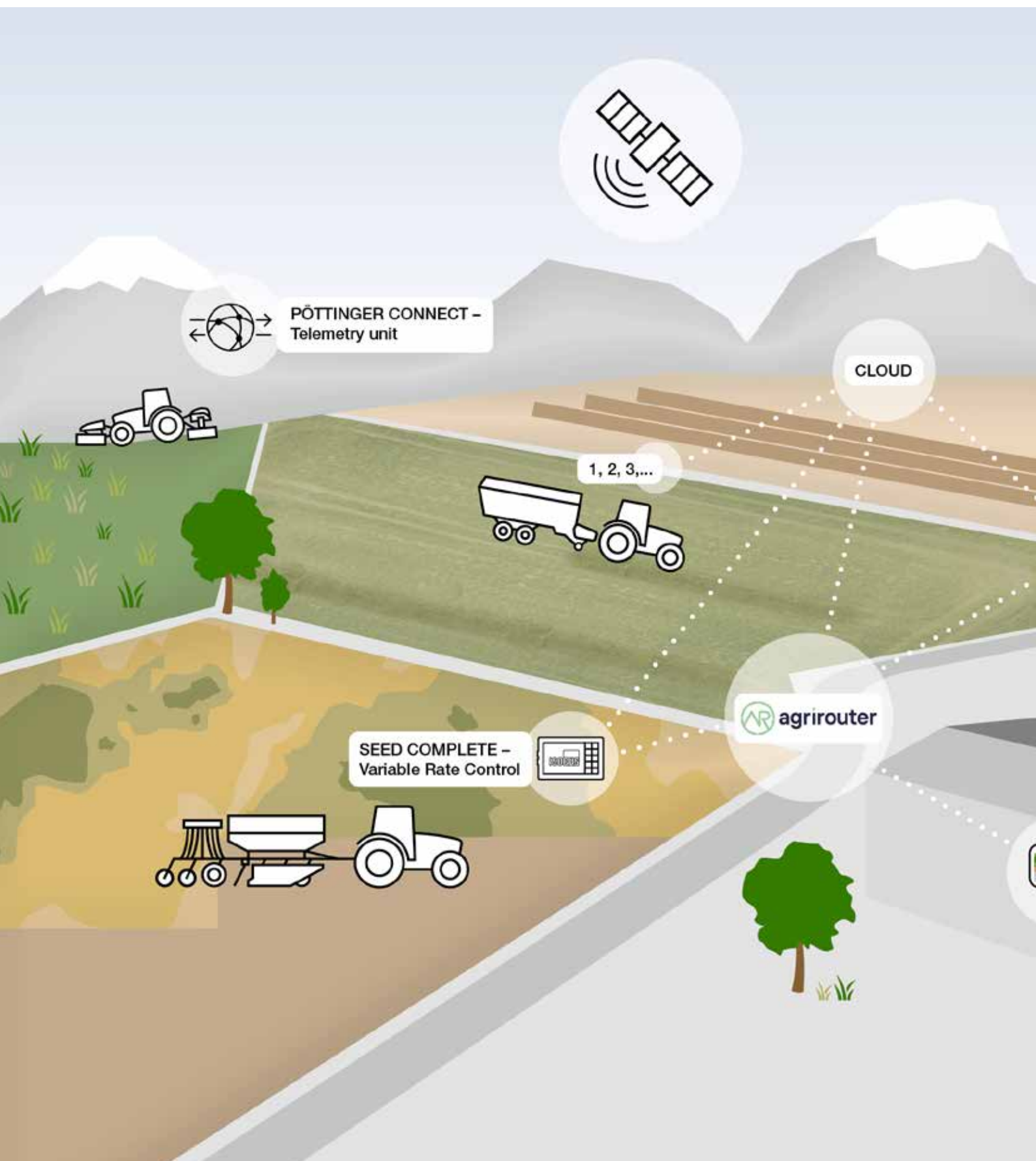
These include the working width of the sprayer and fertiliser spreader, for example, and the track width and tyre width of the crop care tractor. You can also define a safety distance of 0 to 5 cm between the tyre and the closest seed rows.

This ensures that the machine is delivered from the factory with the right track width and tyres.



The following QR code takes you directly to the application:

# Data management





## Generate, transfer and benefit from data

Intelligent machines generate site-specific data relating to the machine and the job. Thanks to ISOBUS, this data can be easily exchanged between the implement and the terminal. Smart features allow data generated during field work to be easily moved to FMIS (farm management and information systems) and used for documentation purposes. Manufacturer-independent standards greatly simplify data transfer.

### Data exchange

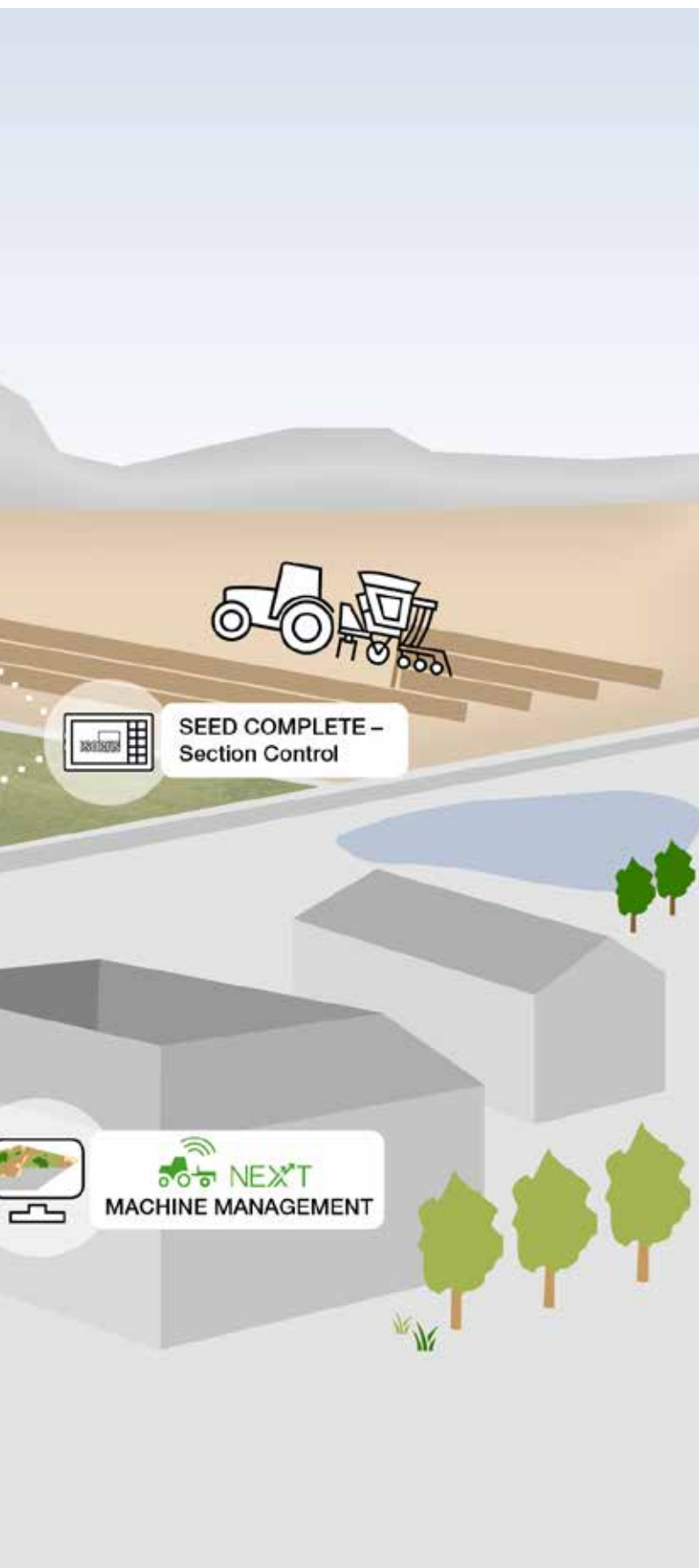
- **PÖTTINGER CONNECT:**  
The PÖTTINGER CONNECT telemetry unit that was developed in-house makes it easy to control precision farming applications on ISOBUS-capable machines and to document work processes.

### Data exchange platform

- **agrirouter:**  
The agrirouter is a web-based data exchange platform. A free account can be used to send data such as jobs from your field indexing software directly to the CCI 1200 terminal in the tractor.

### Data collection

- **NEXT Machine Management:**  
With NEXT Machine Management you have the capability to use and process machine data for documentation purposes, regardless of the make of the machine. A simple transfer of jobs to the machines enables optimal utilisation and effective farm management.





# Telemetry unit



## Maximum flexibility

PÖTTINGER CONNECT is the access point into the world of networked data. The telemetry unit offers the capability to take over machine control functions on ISOBUS controlled machines and to use them for data recording and transmission. Simple operation and a certified data interface allow rapid use of the telemetry unit and flexible connection to various management systems.

## Certified interface

The telemetry module has a certified data interface to agrirouter. For worldwide implementation, any farm management information system can be used. Together with NEXT Machine Management and NEXT field indexing software, PÖTTINGER offers the possibility to visualise data and document it over the long term.

## Intuitive operation

- Simple and clear menu navigation guarantees a high level of operator convenience and fast, intuitive operation
- Only one terminal required for telemetry unit and farm implement
- Can be used with POWER CONTROL, EXPERT 75 and CCI 1200 as well as ISOBUS-capable tractor terminals

## All in one – tidy control system layout

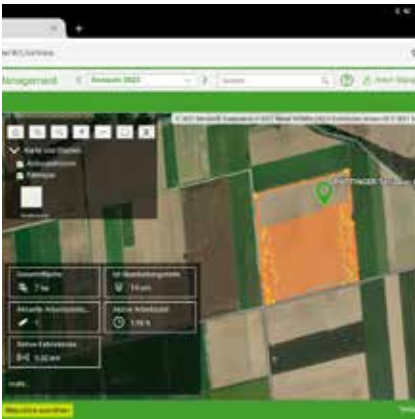
Both the telemetry unit and the respective farm implement are operated using ISOBUS-capable terminals or alternatively using the tractor terminal. For this purpose PÖTTINGER offers its intelligent terminals POWER CONTROL, EXPERT 75 and CCI 1200 as options suitable for every application. This provides a better overview in the tractor cabin by using just one terminal.

# PÖTTINGER CONNECT



## Cost effectiveness

With PÖTTINGER CONNECT, it is possible to use Precision Farming applications easily and cost-effectively. The module takes over task controller jobs, enabling simple and straightforward applications such as Section Control (TC-SC) and Variable Rate Control (TC-GEO). This reduces the number of passes required and saves on running costs. It guarantees cost effective and resource-saving operation.



## Easy documentation

Automated recording and transmission of data ensures that they are backed up permanently. All recorded data can be accessed at any time and from anywhere. This ensures documentation is well organised and avoids data chaos.

## Modular configuration

The telemetry unit offers the right solution for every farm thanks to its modular design:

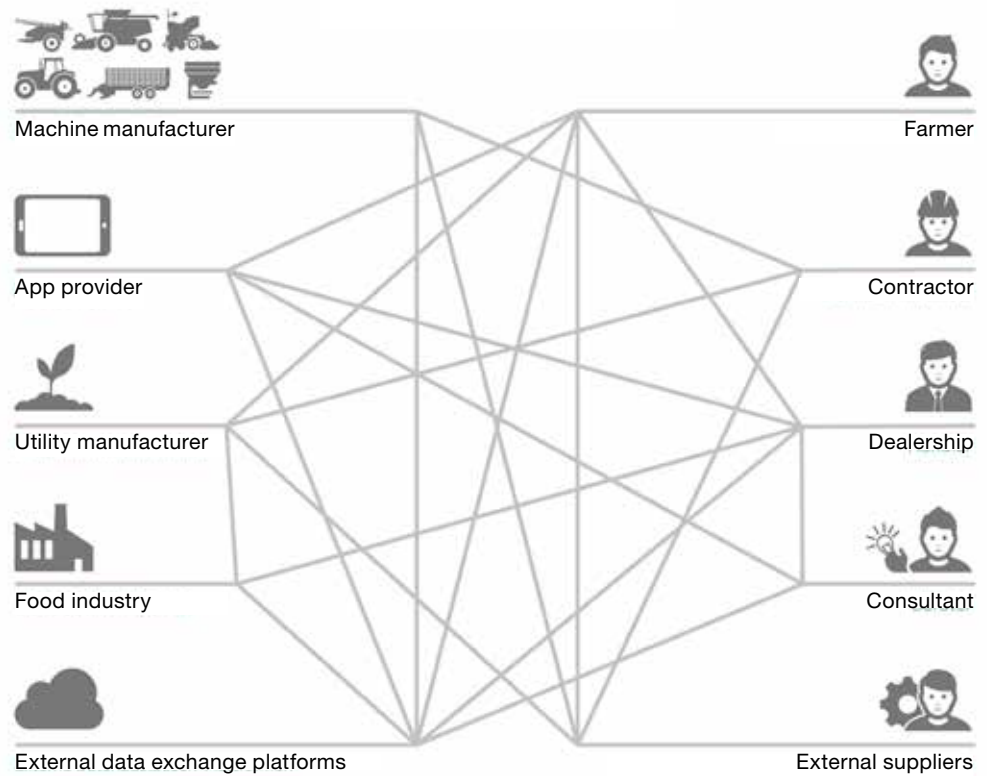
- CONNECT – COMMAND for machine control – hardware including activation for Section Control, Variable Rate Control and Geo Suite
- CONNECT – MANAGEMENT for data transmission – hardware including activation for agrirouter, data logger and data transmission costs
- CONNECT – COMPLETE with machine control plus data transmission – hardware including COMMAND and MANAGEMENT

## Generate, transfer and benefit from data

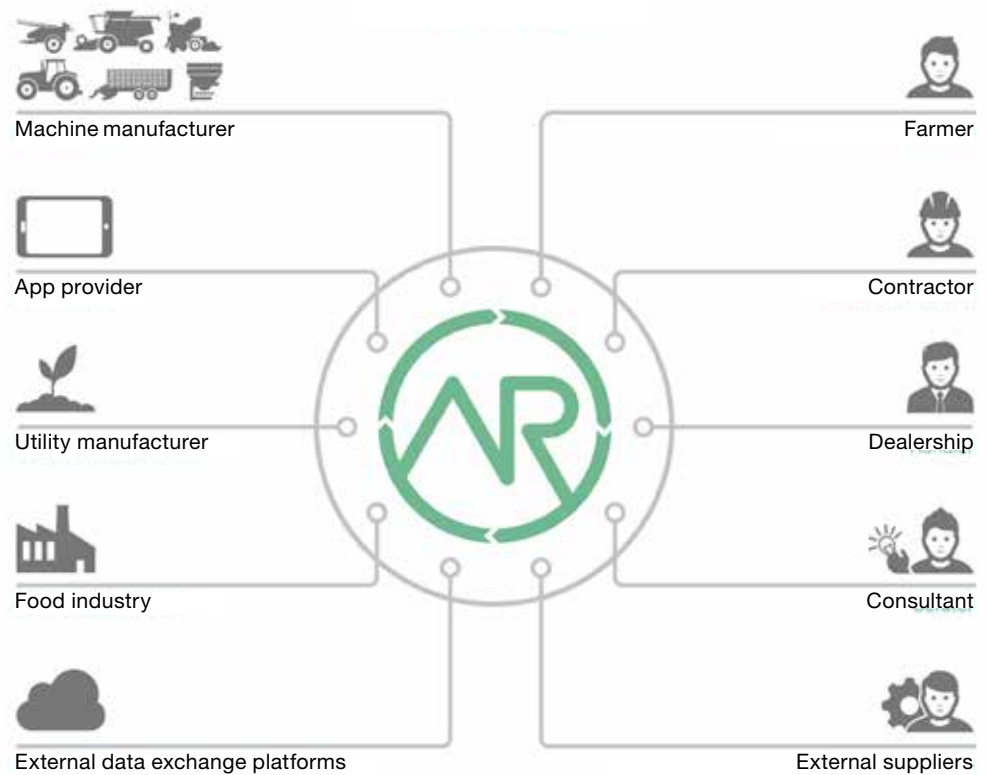
Intelligent machines generate site-specific data relating to the machine and the job. Thanks to ISOBUS, this data is standardised and can be exchanged as required. Smart features allow data generated during work in the field to be easily moved to an FMIS (Farm Management and Information System) and used for documentation purposes. Manufacturer-independent standards greatly simplify data transfer.

# Manufacturer-independent, wireless data exchange

## Without agrirouter

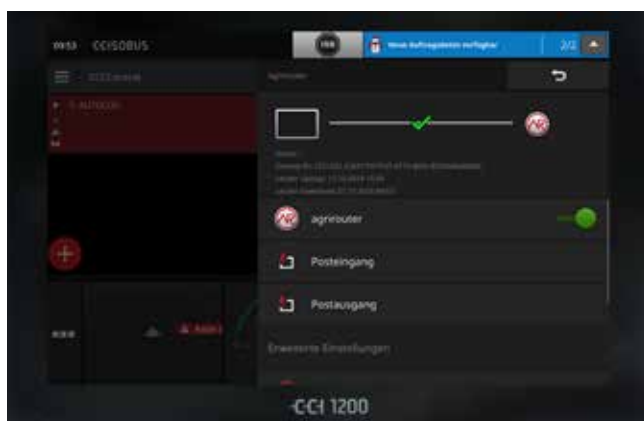


## With agrirouter





Thanks to the ISOBUS standard, machines from different manufacturers can easily communicate and exchange data with each other. In order to use this data once work has been completed, it makes sense to import it into a farm management system and evaluate it for documentation purposes. The agrirouter enables manufacturer-independent, wireless data exchange between machines and agricultural software and reduces the number of communication interfaces to a minimum.



## agrirouter – digital delivery service

The agrirouter is a web-based data exchange platform. A free account can be used to send data from field indexing software directly to the CCI 1200 terminal in the tractor or the PÖTTINGER CONNECT telemetry unit. This can also be carried out in the reverse direction by sending machine-related data directly to your farm PC.

### Transparency

You define the routes on which the agrirouter transports your data.

### Data security

The agrirouter does not store any data – you retain full control.

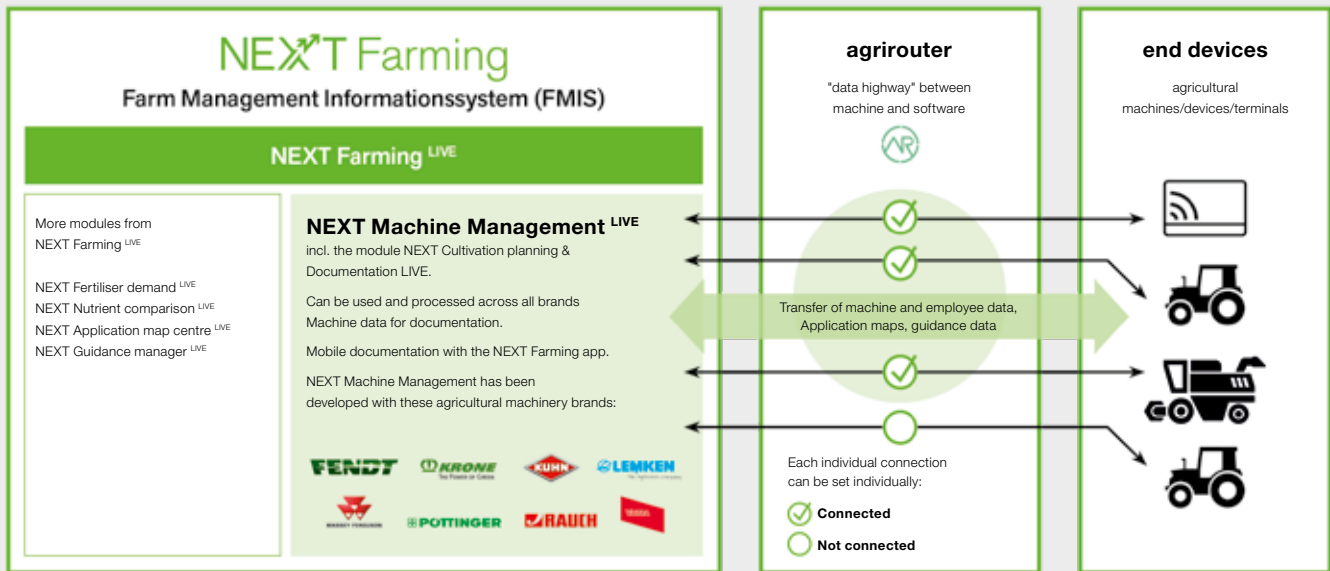
## We are agrirouter ready

At PÖTTINGER, the following arable machines are ready for agrirouter: VITASEM and AEROCSEM with electric metering drive, all TERRASEM seed drills and the TERRADISC disc harrows with Profiline equipment on the 8001 and 10001 T models.

In the grassland sector, our ISOBUS-capable balers (IMPRESS PRO), loader wagons (FARO, EUROPROFI, TORRO and JUMBO), rakes (TOP 1403 C), and mower combinations (NOVACAT V 10000) can be connected to the agrirouter.

More information can be found at: [www.my-agrirouter.com](http://www.my-agrirouter.com)

# Intelligent networking



## Intelligent networking: NEXT Machine Management

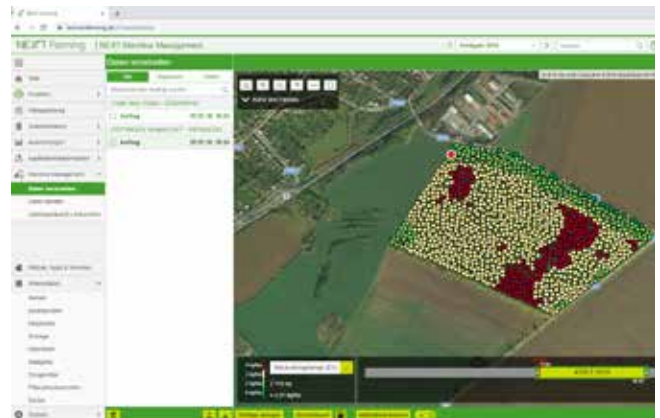
NEXT Machine Management is part of the farm management and information system NEXT Farming and intelligently networks your machinery. NEXT Machine Management was developed by various manufacturers of agricultural machinery with the aim of ensuring that every farm can benefit from the advantages of digitalisation. With NEXT Machine Management you have the capability to use and process machine data for documentation purposes, regardless of the make of the machine. A simple transfer of jobs to the machines enables optimal utilisation and effective farm management.

## Wireless data transmission using agrirouter

In combination with the agrirouter, your data can be transferred wirelessly from the machine to NEXT Machine Management and back again. NEXT Machine Management uses the data transmitted via agrirouter to enable the planning, production and documentation process with machines from different manufacturers. The farmer uses the machine data to automatically document site-specific measures in the field and to plan measures from the farm office. The job-specific data are then transferred to the terminal regardless of the brand, type and location of the machine. It means you can work faster and more efficiently - you can access and transfer key information to get an overview of processes at all times.

# NEXT Machine Management

Farm Management and Information Systems (FMIS) can centrally store and process farm data from different work areas. Field indexing software, which records crop cultivation measures, is the central element in almost all of these software solutions. In addition, FMIS have evaluation tools which enable reports for fertiliser usage, or other recording obligations, to be created at the touch of a button. This means that the work done in the field no longer has to be documented manually in the office afterwards. In addition, stored data can be retrieved quickly and easily at any time.



## Your advantages with NEXT Machine Management

- Use and process manufacturer-independent machine data for documentation purposes
- Easy transfer of jobs to your machines using agrirouter
- Efficient use and optimum utilisation of your machines through smart planning
- A central component of NEXT Farming for your digital farm management system
- Future-safe with a high level of data security
- NEXT cultivation planning and documentation as a basis

More information at [www.nextfarming.com](http://www.nextfarming.com)

## NEXT Machine Management with PÖTTINGER machines

With the help of NEXT Machine Management, you can now use data from these machines to document the work performed. This is possible with any machine that has a task controller. Using the agrirouter you can send jobs directly from the office to your tractor terminal. Whether you are a contractor or a farmer with your own machinery, NEXT Machine Management will achieve ideal utilisation of your machines.



# Interfaces





## How machine and tractor communicate, even if they are from different manufacturers

Communicating in a common language is what stands behind the term ISOBUS. The need for this stemmed from the fact that each agricultural machinery manufacturer originally developed its own electronics solution. This was an obstacle for any farmer whose machinery consists of equipment from different manufacturers.

ISOBUS refers to the standardised communication system between tractor and implement using standardised hardware and software that is not limited to a single manufacturer: this makes it much easier to operate machines.

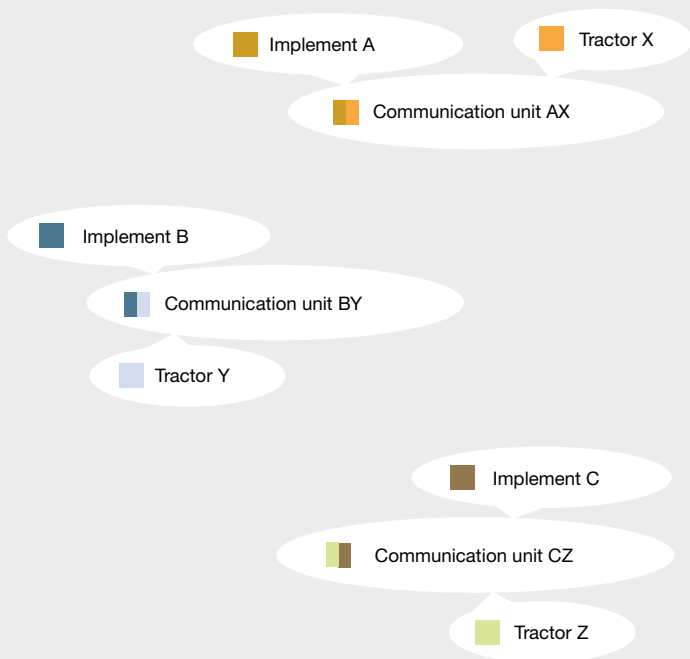
### We influence the future

PÖTTINGER is a member of several organisations that promote intelligent solutions for digital and networked agriculture and want manufacturer-independent standards.

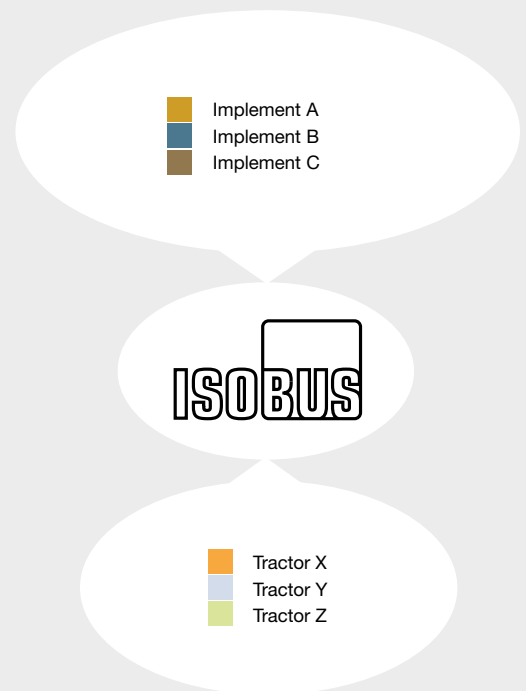
- AEF (**A**gricultural Industry **E**lectronics **F**oundation): Focus on ISOBUS, farm management and information systems (FMIS) and more
- CCI (**C**ompetence **C**enter **I**SOBUS): Development of innovative agricultural electronics
- DKE-Data GmbH & Co. KG (**D**aten, **K**ommunikation und **E**ntwicklung): Development of the agrirouter as a cross-manufacturer and cross-product data exchange platform

# A shared language

## Without ISOBUS



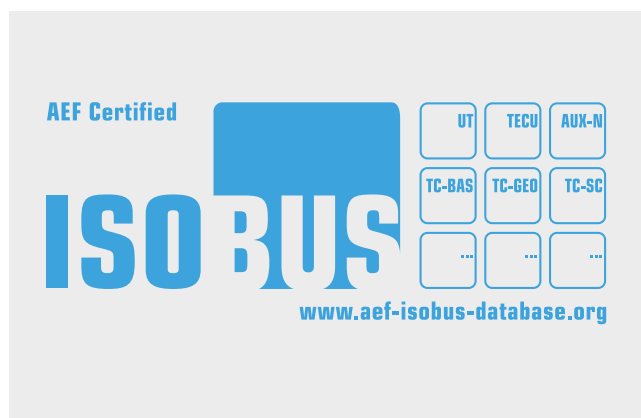
## With ISOBUS



## The need for standardised communication

Electronics make agricultural equipment smarter and more efficient. In the past, however, each manufacturer relied on its own (proprietary) solutions when it came to electronics. This made special modifications necessary for each combination of tractor and implement. As long as each manufacturer uses different electronics, a separate terminal is required for each implement and for the tractor. Three or four different terminals in the tractor cab were not uncommon. Complexity took over.





## ISOBUS and the role of the AEF

At the beginning of the 1990s the first efforts were made in agricultural engineering to standardise the communication between tractor and implement across manufacturers. This was when the term ISOBUS came into play. The term ISOBUS is composed as follows:

- ISO (International Organisation for Standardisation): An independent organisation with the task of developing and implementing international standards
- BUS (system for data transmission)

ISOBUS therefore describes a standardised system for data transmission between the machine and the tractor. The basis for this is the standard ISO 11783 "Tractors and machinery for agriculture and forestry – Serial control and communications data network".

To promote international acceptance and awareness of ISOBUS technology, various agricultural equipment manufacturers, including PÖTTINGER, formed the AEF (Agricultural Industry Electronics Foundation) in 2008. Together, the consortium is successful in optimising the way hardware and software work together across different brands.

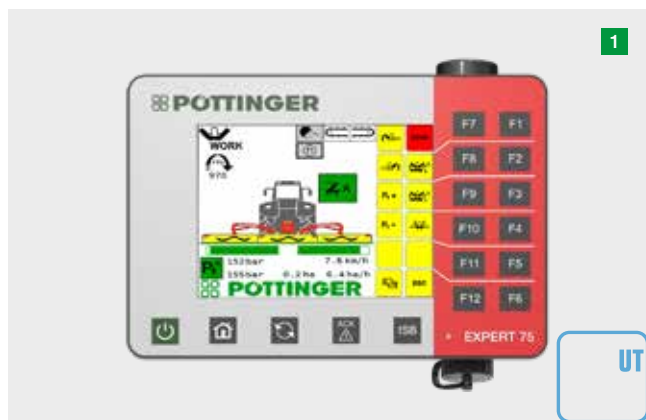
## More convenience using ISOBUS

ISOBUS eliminates isolated solutions by establishing a standardised, compatible connection between tractor and implement, which should work with all combinations using "plug and play": Simply plug the ISOBUS plug into the ISOBUS socket and you are ready to go. A single ISOBUS terminal replaces the large number of implement-specific terminals inside the tractor cab.

ISOBUS technology standardises not only the communication between tractors and implements, but also the data transfer between agricultural machinery and farm office software. ISOBUS is therefore the foundation for networked agricultural operations. Precision farming and intelligent data management would not be possible without ISOBUS.

(Source: [www.aef-online.org](http://www.aef-online.org))

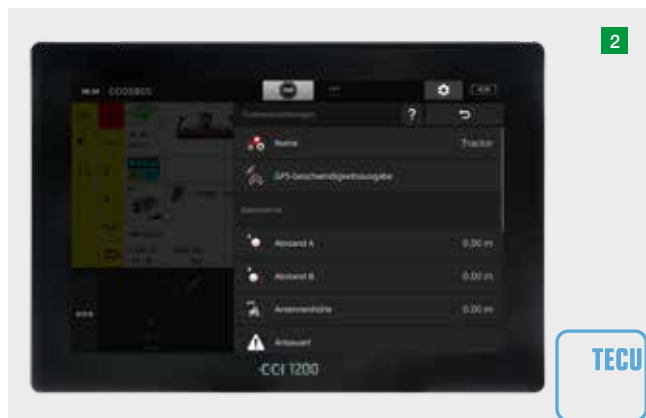
# A shared language



## The right solution for every requirement

A modern ISOBUS system consists of various components, including tractor, terminal and implement. It always depends on what the terminal and attachments are able to do in each situation – and what equipment options have been installed. This is where the ISOBUS functions come into play.

ISOBUS functions are independent modules or building blocks within the ISOBUS system. These work as soon as they are included in all the components involved.



### 1 UT: Universal Terminal

This basic function enables you to operate an implement using any terminal or to use a terminal to operate different farm implements. A single ISOBUS universal terminal replaces the large number of implement-specific terminals inside the tractor cab. Every implement can work with every terminal, as long as they support ISOBUS. All ISOBUS implements can be operated using one terminal, regardless of whether it is made by a tractor manufacturer or an implement manufacturer.



### 2 TECU: Basic Tractor ECU

The tractor ECU is the tractor's job computer. Information such as driving speed, PTO speed, etc. is provided centrally via the ISOBUS.

### 3 AUX-N: Auxiliary Control

This function is for additional control elements that facilitate the operation of complex devices, such as a joystick or, on the implement, the possibility of controlling functions using an additional control.

# ISOBUS functions



## 4 TC-BAS: Task Controller – basic

The task controller basic takes over the documentation of total values that are meaningful with regard to the work carried out (see page 28). The device provides the values. Data exchange between the field indexing software and the task controller (TC-BAS) takes place using the standardised ISO-XML data format. This makes it easy to import orders into the task controller and / or export the finished documentation afterwards.

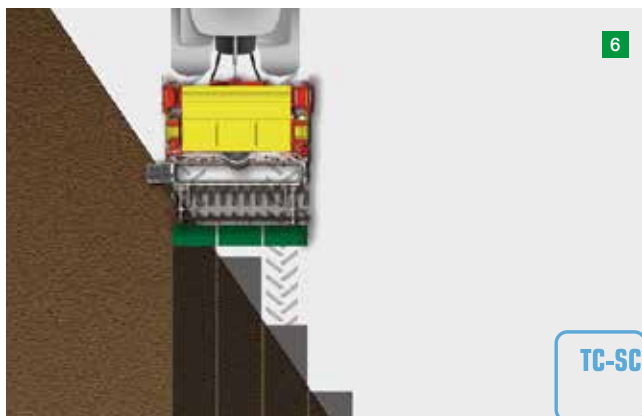


## 5 TC-GEO: Task Controller – geo-based

This module offers the possibility to collect site-related data – or to plan site-specific orders, using application maps for example. This function is relevant for Variable Rate Control (see page 29).

## 6 TC-SC: Task Controller – Section Control

TC-SC enables the automatic switching of part width sections, e.g. on seed drills, depending on GPS position and the required degree of overlap (see page 29). Section Control can bring you higher yields with a simultaneous saving of 5 to 10% on the cost of materials.

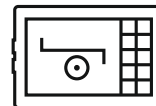


(Source: [www.aef-online.org](http://www.aef-online.org))



# Terminals





## Everything under control

PÖTTINGER's convenient control terminals make sure you have everything under control, even after a long day in the field. The development of our terminals focussed on maximum operating convenience, ergonomics and automation of each working step. The result is a range of control systems to suit your equipment, from electronic preselect controls through to fully integrated ISOBUS terminals.

### Convenient operation without ISOBUS

- SELECT CONTROL
- COMPASS CONTROL
- DIRECT CONTROL
- POWER CONTROL

### Intelligent ISOBUS-capable controls

- EXPERT 75
- CCI 1200
- CCI A3 AUX joystick

# Easy operation

1



## Convenient control systems

The CONTROL terminals made by PÖTTINGER make your day in the field easier. Intuitive machine operation is ensured by the clearly labelled keys and the ergonomic design. This enables stress-free work, even on long working days. The backlit keys and adjustable brightness display ensure safe operation even at night.

### 1 COMPASS CONTROL

The COMPASS CONTROL on-board computer was specially developed for PÖTTINGER VITASEM and AEROSEM seed drills. The terminal controls and monitors functions such as tramlining, calibration test, hopper level, hectare counter and speed.

### 2 DIRECT CONTROL

The convenient electronic DIRECT CONTROL system is used especially for the PÖTTINGER loader wagon range without beater rotors. The functions are performed directly at the push of a button without pre-selection or an additional spool valve. The display provides information about the functions and status of the loader wagon.

3



### 3 SELECT CONTROL

The SELECT CONTROL terminal features a user-friendly design. With clearly assigned function keys and a 4.3" colour touch screen, many machine functions can be preselected and operated using the tractor's hydraulic remote valves or controlled directly. The brightness of the display and keyboard can be adjusted as needed, ensuring optimum illumination at any time of day or night.

### 4 POWER CONTROL

The entry-level POWER CONTROL terminal can be used to operate a wide selection of ISOBUS-capable machines made by PÖTTINGER. The most important feature is the keys that are printed with the relevant machine functions to ensure intuitive operation for both experienced and newbie drivers.

More functions can be controlled and user inputs made using the 5" colour touch display. Optimised for day and night operation, the display also provides clear information on the operating status of the machine.

4





# CONTROL TERMINALS

CONTROL terminals	COMPASS CONTROL	DIRECT CONTROL	SELECT CONTROL	POWER CONTROL
<b>Mowers</b>				
NOVACAT X8	–	–	■	<input type="checkbox"/>
NOVACAT X8 COLLECTOR	–	–	–	<input type="checkbox"/>
NOVACAT A9	–	–	■	–
NOVACAT V 10000	–	–	<input type="checkbox"/>	<input type="checkbox"/>
<b>Merger</b>				
MERGENTO VT 9220	–	–	<input type="checkbox"/>	–
<b>Rakes</b>				
TOP 1252 C	–	–	–	<input type="checkbox"/>
TOP 1403 C	–	–	–	<input type="checkbox"/>
<b>Loader wagons</b>				
BOSS ALPIN	–	<input type="checkbox"/>	<input type="checkbox"/>	–
BOSS 3000	–	–	<input type="checkbox"/>	<input type="checkbox"/>
PRIMO L	–	■	–	<input type="checkbox"/>
FARO L / EUROPROM L	–	■	–	<input type="checkbox"/>
EUROBOSS D / PRIMO D / FARO D / EUROPROM D	–	–	–	<input type="checkbox"/>
TORRO / JUMBO 7000 / JUMBO 8000	–	–	–	<input type="checkbox"/>
<b>Balers</b>				
IMPRESS MASTER	–	–	■	–
IMPRESS PRO	–	–	–	<input type="checkbox"/>
<b>Seed drills</b>				
VITASEM CLASSIC / VITASEM	<input type="checkbox"/>	–	–	–
VITASEM A / VITASEM ADD / AEROSEM A / AEROSEM ADD	<input type="checkbox"/>	–	–	<input type="checkbox"/>
AEROSEM VT	–	–	–	<input type="checkbox"/>
TERRASEM D / TERRASEM V D	–	–	–	<input type="checkbox"/>

# Intelligent controls



## ISOBUS controls

The ISOBUS terminals EXPERT 75 and CCI 1200 enable professional operation of all ISOBUS-compatible machines made by PÖTTINGER as well as other manufacturers. In addition to the terminals, the AUX Joystick CCI A3 can be ordered for selected ISOBUS-capable machines. This can be used to conveniently operate the machine's most important functions.

Both terminals are AEF certified.



## ISOBUS AUX CCI A3 joystick

The AUX CCI A3 joystick makes it easy to control any of your ISOBUS machines. This is done using function keys that can be allocated freely and are separated by ridges. This avoids operator errors. Haptic feedback and all the icons displayed on the keys make it even easier to work with the joystick.

# AUX JOYSTICK CCI A3, EXPERT 75, CCI 1200



## EXPERT 75

The compact 5.6" EXPERT 75 ISOBUS terminal can be operated both directly via the touchscreen and using keys or a scroll wheel. Safe one-hand operation is supported by the grip bar. The ambient light sensor and the illumination of the function keys ensure convenient handling even at night.



## CCI 1200

The new 12" CCI 1200 ISOBUS terminal offers the professional farmer a comprehensive function package. The terminal is operated like a tablet using a touchscreen. Navigation is kept simple so you find what you need with just a few taps. The integrated ambient light sensor automatically adjusts the brightness of the display.

### ISOBUS controls

	ISOBUS AUX CCI A3 joystick	EXPERT 75	CCI 1200
<b>Mowers</b>			
NOVACAT X8	–	<input type="checkbox"/>	<input type="checkbox"/>
NOVACAT X8 COLLECTOR	–	<input type="checkbox"/>	<input type="checkbox"/>
NOVACAT V 10000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Rakes</b>			
TOP 1252 C	–	<input type="checkbox"/>	<input type="checkbox"/>
TOP 1403 C	–	<input type="checkbox"/>	<input type="checkbox"/>
<b>Loader wagons</b>			
FARO L / EUROPROFI L	–	<input type="checkbox"/>	<input type="checkbox"/>
FARO D / EUROPROFI D	–	<input type="checkbox"/>	<input type="checkbox"/>
TORRO	–	<input type="checkbox"/>	<input type="checkbox"/>
JUMBO 7000 / JUMBO 8000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Balers</b>			
IMPRESS PRO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Disc harrows</b>			
TERRADISC 8001 / 10001 T Profile	–	<input type="checkbox"/>	–
<b>Seed drills</b>			
VITASEM A / VITASEM ADD	–	<input type="checkbox"/>	<input type="checkbox"/>
AEROSEM A / AEROSEM ADD / AEROSEM FDD / AEROSEM VT	–	<input type="checkbox"/>	<input type="checkbox"/>
TERRASEM D / TERRASEM V D	–	<input type="checkbox"/>	<input type="checkbox"/>

# The terminal for professionals



## 1 Flexible layout

The display can be positioned either horizontally or vertically depending on your preference or the space available in the tractor cab. In addition, the screen can be split so that several applications can be displayed simultaneously; you can adjust the size of each window. Depending on the task, the operator can split up the applications and configure their own interface. An overall view makes it easier for the driver to see various machine details. This enables you to monitor a seed drill with several metering units easily and conveniently in a large format.



## 2 Camera image and machine functions at a glance

A camera image can also be displayed at the same time as the machine status and controls, so no switching is necessary. With a loader wagon, this makes it easier and, above all, safer to manoeuvre. You can easily keep an eye on unloading in the clamp or the wrapping sequence on a baler/wrapper combination.



## 3 Help system

The innovative help system enables the driver to find out about the application currently opened, its functions and its settings, at any time. Pictures and videos explain the settings, so you can always work with maximum success.



4



For the Precision Farming SEED COMPLETE package from PÖTTINGER (see pages 26-29) you need the following functions, which are supported by the CCI 1200:

## 4 Variable Rate Control

Site-specific application of seed/fertiliser taking the site soil conditions into consideration

- Import application maps in Shape or ISO-XML format
- The following parameters are supported: Mass, volume, distances and percentages

5



## 5 Section Control

Automatic switching of the whole or partial working width during operation supported by GPS

- With the headland function, areas can be locked so that the machine works the inside of the field first.
- Perimeter headlands or individual headlands can only be created at the ends of the passes.

## Documentation

- Site specific recording of all field data during operation
- For documentation purposes, this data can be imported into field indexing software as a standardised ISO-XML file

6



## 6 agrirouter connection

- Wireless manufacturer-independent data transmission from the terminal directly to field indexing software in the office and vice-versa
- A WLAN dongle (included in the SEED COMPLETE package) is required. This is simply attached to the back of the terminal.

+



7



## 7 MULTIBOOM

Independent control of all the different functions on a machine

- Prerequisite for automatic partial section control on AEROSEM drills: Separate control of metering wheel and IDS distributor head (see pages 29-31).
- Separate default values for seed and fertiliser (TERRASEM FERTILIZER)
- Separate default values for maize and companion crop / fertiliser (AEROSEM PCS)

# Assistance systems







## Wildlife and livestock protection

Get started on mowing your grassland crop straight away with no worries. Harvest the highest quality forage using innovative technology from PÖTTINGER. SENSOSAFE is an automated sensor-based assistance system that detects animals and enables you to identify fawns and other wild animals hiding in the field. Wildlife is protected and your forage stays clean. And all this with the highest level of efficiency and convenience.

### Assistance systems for saving wildlife

- SENSOSAFE mounted on the ALPHA MOTION front mower
- SENSOSAFE 300 with mounting frame for mowers up to approx. 3 m
- SENSOSAFE 1000 with mounting frame for mower combinations up to 10 m

# Wildlife and livestock protection



## How good are you at multitasking?

With SENSOSAFE you complete two tasks in one. Mowing and detecting wildlife. That's multitasking. That is efficiency.

### Simply hitch up and off you go

Harvesting windows are short and time is precious. With SENSOSAFE you can focus on the essentials: harvesting the forage.

No additional time or personnel needed for searching the fields before mowing. The time-consuming organisation of people, dogs, drones and other systems for detecting wildlife is a thing of the past. What's more, you don't need special training or a permit to operate the SENSOSAFE system.

## Ingenious technology

Whether morning, afternoon, evening or night, SENSOSAFE works reliably around the clock.

Intense sunlight or high temperatures are not a problem for working with SENSOSAFE. The same goes for cloudy weather or darkness.

SENSOSAFE is the first system of its kind in the world that uses the interaction between optical sensors and an integrated light source. This system operates independently of daylight and temperature. Unlike thermal imaging cameras, you can rely on SENSOSAFE to work reliably in any operating conditions.





## The hardware

A bar with optical sensors scans the area in front of the mowers during the mowing process.

An LED integrated into each sensor emits light in the near-infrared spectral range. The light, which is not visible to humans, is reflected by the vegetation back to the sensor. However, the brown fur of fawns and other animals reflects light with a different intensity than plants. The sensors detect this and send an electrical signal to the control unit in the tractor cab.

## The software

SENSOSAFE is operated using the SELECT CONTROL terminal.

If an animal is detected, the control terminal gives the driver both a visual and acoustic warning. The driver then has plenty of time to stop the tractor or raise the mower. The SENSOSAFE on the ALPHA MOTION raises the front mower automatically.

## Straightforward operation

The triggering sensitivity can be fine-tuned. This means the triggering threshold can be optimally adapted to each crop.

Folding into the working or transport position is also operated using the SELECT CONTROL control terminal.



## MyPÖTTINGER – it's easy. Anytime. Anywhere.

### Benefit from numerous advantages

MyPÖTTINGER is our customer portal that provides you with key information about your PÖTTINGER machines.

Get specific information and useful tips on your PÖTTINGER machines in "My machines". And find out more about the PÖTTINGER product range.

### My machines

Add your PÖTTINGER machinery to "My machines" and assign a name. You will receive valuable information such as: useful tips on your machine, operating instructions, spare parts lists, maintenance information, as well as all the technical details and documentation.

### Info on the product range

MyPÖTTINGER provides you with machine-specific information for all machines built starting 1997.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to [www.mypoettinger.com](http://www.mypoettinger.com) and enter the machine number from the comfort of your own home. You will immediately receive all the information on your machine, such as: instruction manuals, equipment options information, brochures, photos and videos.

# ORIGINAL PARTS



CLASSIC

**DURASTAR**

**DURASTAR PLUS**

## Rely on the original

PÖTTINGER Original Parts meet the highest demands in terms of functionality, reliability and performance. These are characteristics that PÖTTINGER is committed to delivering.

That is why we manufacture PÖTTINGER Original Parts from the highest quality materials. We ideally match each individual spare part and wear part to your machinery's overall system. This is because different soil and operating conditions often need to be taken into consideration.

We have been listening to our customers and now offer three different lines - CLASSIC, DURASTAR and DURASTAR PLUS - to make sure you have the right part to meet every requirement. Original parts are worth every cent, because know-how cannot be copied.

## Your advantages

- Immediate and long-term availability.
- Maximum durability thanks to innovative production processes and the use of the highest quality materials.
- Avoidance of malfunctions due to a perfect fit.
- The best working results thanks to optimum match to the overall system of the machine.
- Save time and costs thanks to longer replacement intervals on wear parts.
- Comprehensive quality testing.
- Ongoing advancement through research and development.
- Worldwide spare parts supply.
- Attractive, competitive prices for all spare parts.

## Wear parts

The CLASSIC line is for standard duty applications. With these ORIGINAL INSIDE parts we have defined the benchmark for quality, best price/performance ratio and reliability.

DURASTAR is the innovation on the wear components market - durable, high quality, productive and reliable.

Are you used to putting your machines to work in the most extreme conditions? Then the DURASTAR PLUS line is the right choice for you.



## More Success with PÖTTINGER

- A family-owned company since 1871  
your reliable partner
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria - at home throughout the world

## Intelligent farming with digital solutions

- Intelligent terminals for every requirement
- More convenience and higher yield with precision farming solutions for arable and grassland
- Manufacturer-independent standards for the easiest data management
- Assistance systems to make everyday work easier and protect the environment

## Ask for more information:

### **PÖTTINGER Landtechnik GmbH**

Industriegelände 1  
4710 Grieskirchen  
Austria  
Phone +43 7248 600-0  
info@poettinger.at  
www.poettinger.at

### **Alois PÖTTINGER UK Ltd.**

15 St Marks Road, Corby  
Northamptonshire,  
NN18 8AN  
United Kingdom  
Phone + 44 1536 272 220  
info@pottinger.uk  
www.pottinger.uk

### **POETTINGER Canada Inc.**

460 Rue Robinson Sud  
Granby, QC, J2G 7N6  
Canada  
Phone +1 450 372 5595  
Fax +1 866 417 1683  
info@poettinger.ca  
www.poettinger.ca

### **POETTINGER US, Inc.**

393 Pilot Drive  
Valparaiso, IN 46383  
USA  
Phone +1 219 510 5534  
Fax + 1 219 707 5412  
info@poettinger.us  
www.poettinger.us

### **PÖTTINGER Australia PTY LTD**

11 Efficient Drive  
Truganina VIC 3029  
Australia  
Phone +61 3 8353 2770  
info@poettinger.com.au  
www.poettinger.com.au

### **POETTINGER Ireland Ltd.**

Glenaleamy, Powerstown Road,  
Clonmel, Co. Tipperary  
Ireland  
Phone +353 52 6125766  
info@poettinger.ie  
www.poettinger.ie

### **Importer for New Zealand:**

**Origin Aggroup**  
PO Box 673, 57 Hautapu Road  
Cambridge  
New Zealand  
Phone +64 7 823 7582  
info@originagroup.co.nz  
www.originagroup.co.nz

### **Importer for South Africa:** **VALTRAC**

Cnr. Water & Buiten Street  
9585 Parys  
South Africa  
Phone +27 56 817 7338 7308  
wynn@valtrac.co.za  
www.valtrac.co.za