

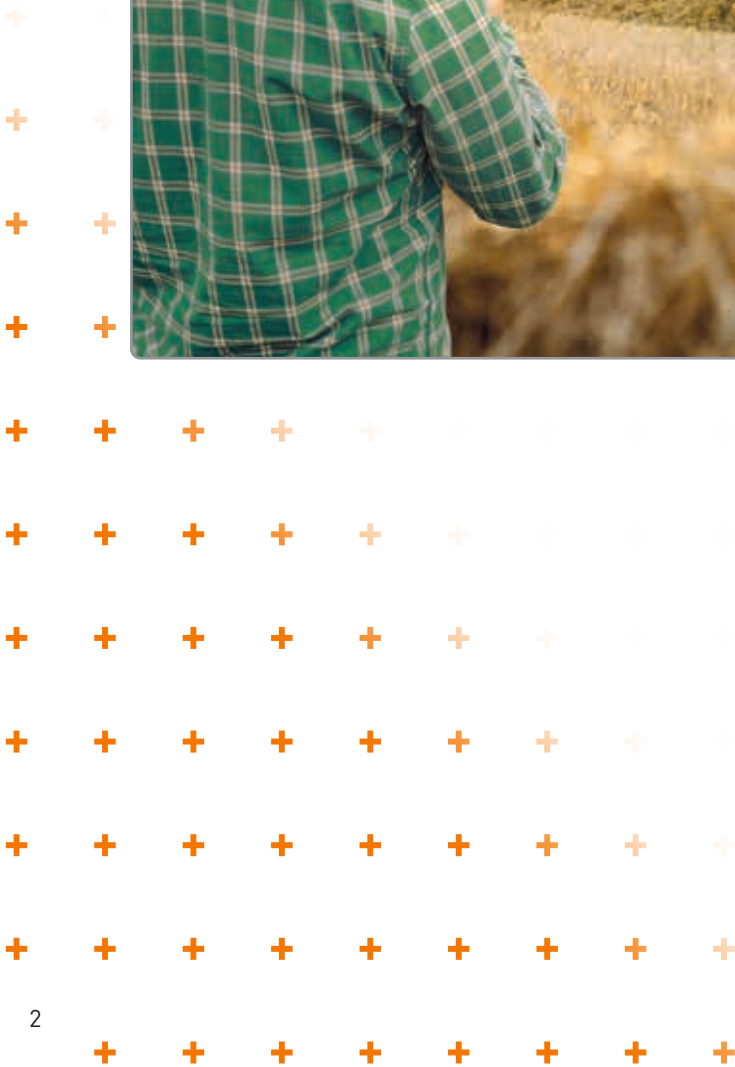


# SMART FARMING SOLUTIONS



# Welcome to the SDF Smart Farming Solutions revolution.

SDF Smart Farming Solutions supports farmers and contractors with a comprehensive and customisable suite of digital solutions, empowering them to make the best business decisions, according to their needs, thus optimising work speed, precision and profitability.





# Connected to our customers for generations.

A tradition of innovation.

Since our foundation in 1927, we feel deeply connected with agriculture and people working in it. We have committed ourselves to developing solutions that make the life and work of farmers and contractors easier and improves their productivity. We constantly supply customers worldwide with tractors, combines and technology of acknowledged reliability, quality and performance. Since we know the value of being independent, we want our customers to be autonomous and free in their business decision as well.

We feel obliged to safeguard the future for our customers and the next generation. With SDF Smart Farming Solutions we empower them to operate in the most sustainable and future-oriented way.



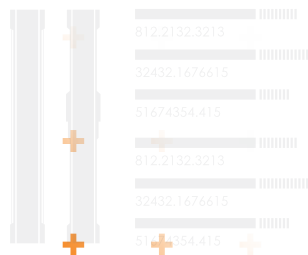
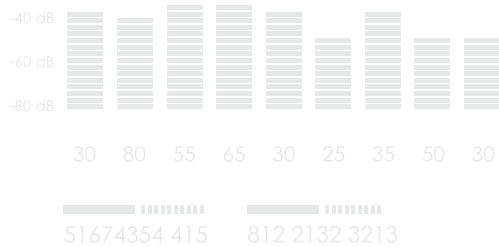


# SDF Smart Farming Solutions.

Independent. Safe. Connected.

## Digital solutions for agriculture 4.0.

SDF Smart Farming Solutions allows users to have the freedom and power of choice for the best products suiting their business needs and remain master and owner of their data.



### 1. CONNECTED

Work processes can be easily optimised by connecting all digital equipment, whether machinery, office or any other sources. Profit from access to many sources of valuable data independent from time and location. Most importantly, however, the user remains the key link in the entire chain!

### 2. EFFICIENT

Efficiency is thus not a goal itself but helps to attain more of the things we value. With the goal to produce maximum outcome with a minimum amount of input, SDF Smart Farming Solutions helps customers save time, wear and of course money. Different products and services make operations with our machinery faster, more precise and more efficient. Also, thanks to the data exchange platform Agrirouter, the data are interchangeable throughout different brands and platforms.





### 3. PRECISE

With the use of integrated guidance systems and smart implements, users profit from highest precision. The result is accurate controlling of all production equipment and avoiding gaps or overlaps in various operations like sowing, fertilising, spreading and many others. This helps farmers and contractors to increase their productivity by saving inputs and as a result: money!

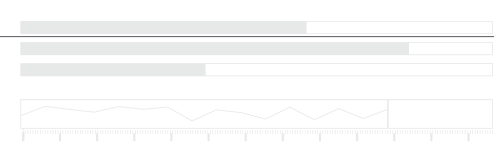
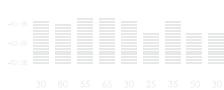
### 4. EASY

The clever concept of all Smart Farming products and applications makes all the work in the field easier. All electronically assisted operations can be controlled with the convenient User Interface of the iMonitor. In one single terminal drivers can control all important tasks such as the tractor settings, guidance, implements control and data management. All this assists in doing the job in the most comfortable way possible!

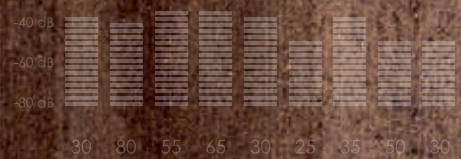
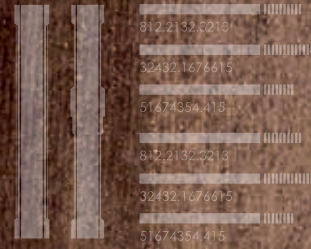


### 5. CONVENIENT

SDF Smart Farming Solutions supports the operator all day long during all different types of operations. No matter on the conditions – the electrical components and its applications work reliable on a constant high level of accuracy.







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# iMonitor

The central control unit, enabling various applications.

The third generation of our iMonitor provides a User Interface that guarantees the easy and intuitive operation of several functions. Thanks to the touchscreen, operators can intuitively and conveniently navigate through the menu similar to a smartphone or a tablet. The operator can easily swipe with his finger to switch between the different applications. For the guidance application, as well as for the ISOBUS Universal Terminal, he can use the entire size of the display, expanding it to full screen. The Dashboard on the bottom of the screen can be freely configured with information such as time, date, GPS accuracy or GPS speed. Its support functions, such as the quick guides and the explanatory icons, guide the operator through the various settings and, for a better overview, it's also possible to set up different user profiles according to your requirements. The processor is built to ensure reliable performance during demanding working days when several applications are running at the same time. The iMonitor is available in two sizes: 8 inch and 12 inch.

## Highlights for iMonitor 12"

- > Total size of touchscreen: 12 inch – largest terminal of the industry
- > Split screen: 1 Mainview + 3 Miniview
- > Machine settings (tractor or combine)
- > Guidance application integrated
- > ISOBUS integrated: UT + AUX-N + TC-SC + TC-BAS + TC-GEO in standard
- > Ready for up to 4 cameras
- > Remote Support feature

## Highlights for iMonitor 8"

- > Total size of touchscreen: 8 inch
- > Split screen: 1 Mainview + 2 Miniview
- > Machine settings (tractor or combine)
- > Guidance application integrated
- > ISOBUS integrated: UT + AUX-N + TC-SC in standard
- > Ready for up to 2 cameras
- > Remote Support feature







## Hardware options

### MMI

Optionally, tractors can be equipped with a MMI which is fully integrated into the armrest. This is a great alternative way of operating, that can be used instead or in addition to the touchscreen. With the rotating wheel the driver can navigate. These buttons can be freely assigned to quickly jump to predefined menus and functions (like activating Auto Steering). Yet more evidence of sophisticated system integration resulting in great user experience.



# TRACTOR SPECIFIC FEATURES

The main page dedicated to the tractor provides the driver with an overview of all major details about for example oil temperature or engine load. In addition, from there also the tractor's relevant settings can be managed.

**These include:**

- > Transmission and engine (e.g. cruise control, RPM memory)
- > Front and rear hitch (e.g. lifting speed), and PTO
- > Hydraulic spool valves (e.g. settings of flow and time and free assignment of valves to control elements)
- > Comfortip<sup>PRO</sup> headland management
- > ASM menu for modification of speed and angle for automatic activation
- > Memory to save the current settings, assign them to a machine profile, for example, and then recall them.



**Main page** - All major information on one page.



**Spool valves** - The order of spool valves can be changed, as well as flow rate and time control.



**Comfortip<sup>PRO</sup>** - The most convenient and easy headland management in the market.



**Cameras** - Assist the driver with best overview.



## FEATURES FOR SMART FARMING

### SDF Data Management

Efficient data management is increasingly gaining significance to optimise work processes for farm and field management. The iMonitor works with standard file formats to ensure reliable data exchange. This allows customers the freedom to use the software application that best suits their farm and transfer data in a coordinated manner, in order to obtain an overview any time it's needed. For reliable online data transfer, e.g. with any FMIS, an interface to upload and download agronomic data to and from the Agrirouter has already been integrated in the latest software of the iMonitor.

### SDF Guidance

In combination with our SDF GNSS receivers, the iMonitor includes the ability for both manual and automatic guidance applications as standard – depending on the receiver model. The SDF Guidance application is fully integrated in the interface and can be operated in parallel with other applications. Plenty of features are already available as standard, such as field and task management, different types of guidelines or the visualisation of tramlines.

## ISOBUS

The iMonitor is a fully AEF ISOBUS compliant terminal and offers different applications: a great number of functions are available without the need to activate them such as the assignment of AUX functions to different buttons on the armrest or to shortcut keys on the iMonitor (AUX-N). The Universal Terminal (UT) allows the driver to individually control ISOBUS certified equipment made by different manufacturers with one single monitor. The Task Controller (TC) is fully integrated in the terminal and allows to process application maps (TC-GEO) or automatically switch between up to 200 sections (TC-SC).

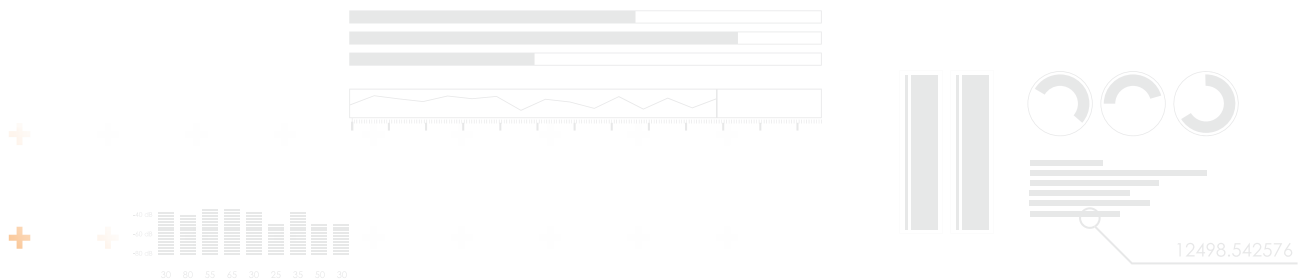
## REMOTE ACCESS

The iMonitor offers a very clear menu structure to ensure a very simple operation. We know that questions might still arise. No problem! Once they do, the driver can start the remote support service. Once given permission, this tool allows an expert, like the local dealership, to connect and log into the monitor and either assist or even take control of some functions. Diagnostics or error codes can be extracted and settings can easily be improved. With this tool we support the operator as much as possible to guarantee uptime as well as optimized tractor and machine settings.



# XTEND

The standard version of the iMonitor includes a large number of functions. We know that working with multiple complex applications at the same time is becoming more and more common. We provide a great solution for this with XTEND. This excellent feature allows the operator to enlarge the display area by simply connecting a tablet or a smartphone to the iMonitor's hotspot via WLAN. Using the XTEND app on the mobile device (available for iOS and Android), the driver can use its tablet or smartphone to either display the guidance application or to control all ISOBUS-UT functions (and AUX-N assigned buttons). The Universal Terminal is displayed on the mobile device while other applications, e.g. guidance, can be displayed on the iMonitor. Thanks to the wireless connection, users can operate the tablet even when outside the tractor cab for example while calibrating the implement. All of these features make XTEND a user-friendly and cost-efficient solution to achieve the best overview of all applications!



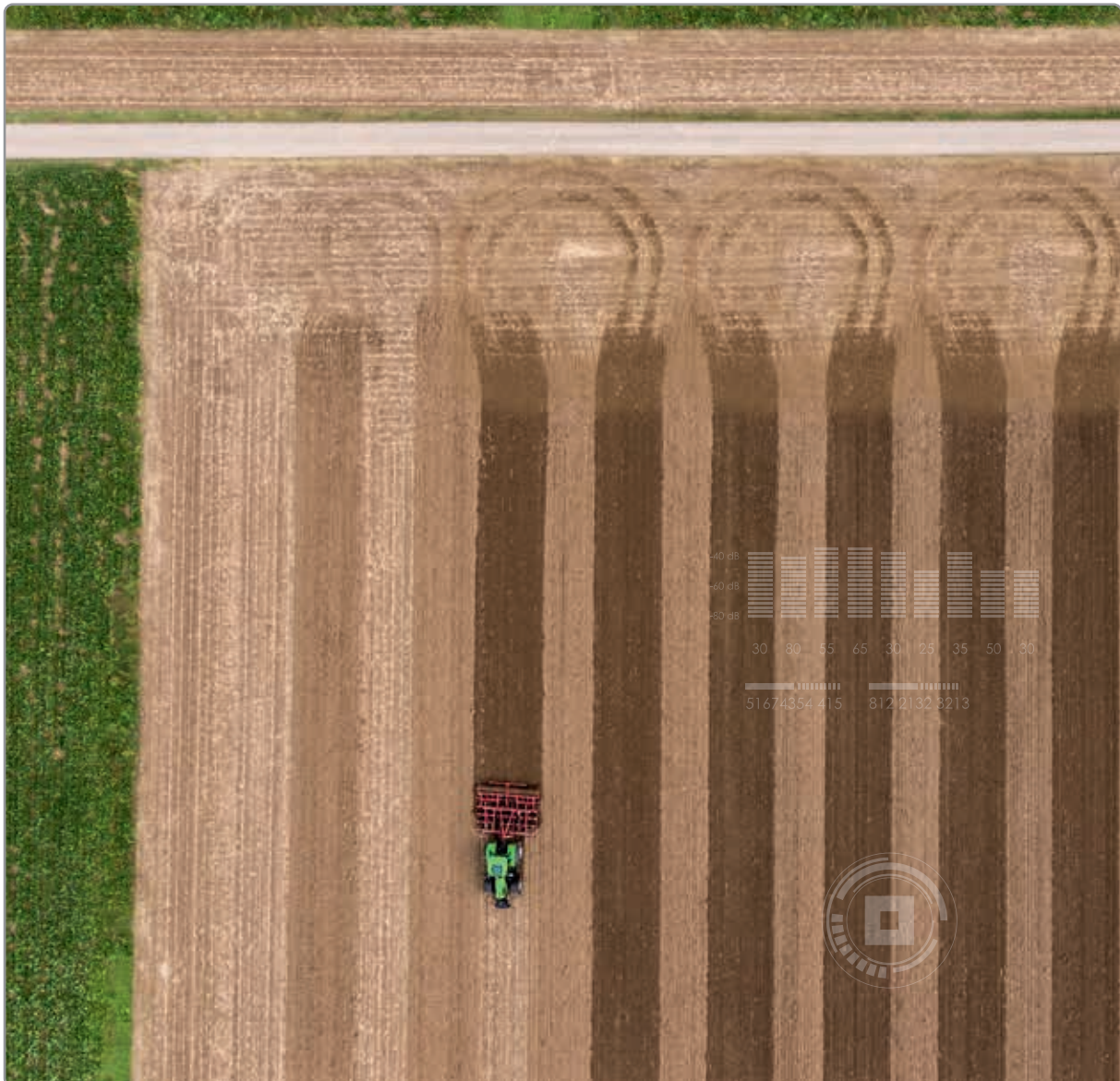
Flexibility: Thanks to the wireless connection to the iMonitor XTEND can be used for the operation of ISOBUS UT outside the cab.

With the installed tablet inside the cab guidance can be displayed or ISOBUS UT operated.

# AUTO-TURN



Thanks to the Auto-Turn feature the tractor performs automatic turns on the headland. To adapt the needs to its field condition the driver can decide which track to steer into. Additionally, different patterns are available – whether the driver want to skip lines or fill plots. As well as offering added convenience, this also gently decreases soil compaction on the headland, making follow-up runs very simple, while saving time and reducing wear of the implement!











## Accuracy at it's highest level of precision

Thanks to various benefits, guidance applications have become established as a key element in tractors and combines on many farms. For one thing is clear: increased accuracy is one element necessary to operate a farm, guaranteeing in the future, that it will remain sustainable and profitable. We can prove with the experience from several thousands of customers working with SDF Guidance Systems: Anyone who has ever worked with it will never want to be without it again. SDF Guidance – efficiency with highest precision:

- > Added convenience by precise track- to track guidance with repeatability also in difficult working conditions
- > Time saving and less soil compaction due to reduced passes
- > Reduced input of resources and increased outcomes
- > Reduced fatigue of the driver and more time to keep the focus on the implement.

Our approach is a seamless system integration of both hard- and software into our cab. In one terminal, we combine the entire bandwidth of technology and applications of SDF Guidance. The iMonitor includes a wide set of features for both manual and automatic guidance applications already as standard. For highest convenience it is possible to divide the display from full- to split screen.



# FEATURES OF iMONITOR

## Fields

Inside the logical menu structure, fields can be organized and names can be assigned to the corresponding field boundaries. Contractors can also distinguish between different farms. This helps to manage fields in order to obtain the best overview of the data. Inside a field boundary, a virtual headland can be set up. It is even possible to display push notifications alerting when the headland is getting close, which helps the driver in all subsequent operations.



## Tramline visualisation

For some field operations, like seeding and planting, drivers would benefit a lot from gaining assistance in setting tramlines for follow-up operations. The iMonitor provides a feature which informs drivers with a pop-up when they are passing a tramline. Based on the working width of the equipment, different settings for the correct distance can be adjusted.

## Task management

We know it's very important to keep an overview of all the operations performed in the fields. The iMonitor allows to easily record important data, such as fuel consumption or productivity. Access to these relevant data help in keeping the relevant documentation. Thanks to our SDF Data Management connectivity solutions, it is also possible to transfer these agronomic data to any desired end point. More information of task management in chapter "SDF Data Management".

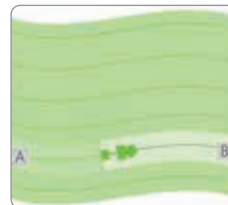


## Guidelines:

There are plenty of use cases for the guidance application. Due to this, it is important to have different types of guidelines available for each situation:



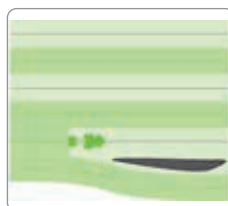
1. A-B- line straight.



2. A-B curved line.



3. Steer to boundary.



4. Adaptive curve.



5. A+ angle.



6. Circle

# GNSS RECEIVERS



Steering systems with satellite assistance. Our receivers are capable to use free, internationally available signals.

Our customers can choose the system that best suits their operation. Our GNSS receivers offer different accuracy levels depending on the required correction service.

Submeter with track-to-track accuracy of about 25 cm:

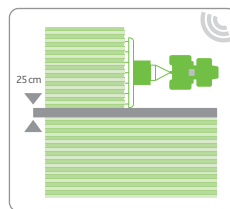
- > Egnos
- > WAAS
- > Autonomous

Decimeter with track-to-track accuracy between 3-8 cm (depending on the correction signal):

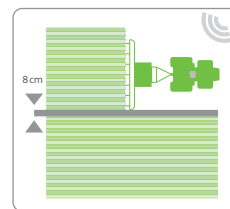
- > Omnistar HP,XP,CBS
- > Starpoint C, C+
- > TopNet Global D (only SRC40) with a track-to-track accuracy of about 8 cm
- > TopNet Global C (only SR20) with a track-to-track accuracy of about 5-8 cm
- > TopNet Global C+ (only SR20) with a track-to-track accuracy of about 3-4 cm

Centimeter for RTK with an absolute and repeatable accuracy of 2,5 cm.

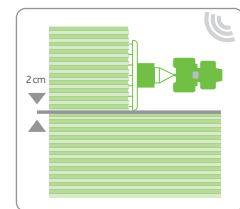
SDF-Guidance offers products that perfectly match the users needs.



EGNOS: Continuous accuracy of 25 cm - sufficient for a large number of activities, including fertilisation, soil maintenance, tillage, haymaking.



TopNet Global D: Enough accuracy for many applications like sowing grain.



RTK Correction: Precise positioning for every task, fast track definition and exact track recovery, regardless of the weather.





## SR20 receiver

The SR20 is a new GNSS receiver designed for automatic steering systems. It is a new development created to achieve highest accuracy and best guidance performance in all conditions. In combination with the iMonitor, the SR20 offers personalised steering solutions for every operation.

The receiver is available in different accuracy levels ex factory and is easily upgradeable. This makes its use quite flexible depending on the desired application. For the use of RTK NTRIP, the CTM (Communication Telematic Module) provides the best internet coverage and if signal failures occur the optional Skybridge keeps the steering active.



### Accuracy levels:

As the hardware of the SR20 receiver is equal, farmers and contractors have free choice of accuracy level. As result, it's very easy to upgrade the receiver to a higher accuracy level after purchase of the corresponding license.

Starting from Submeter accuracy, it's possible to upgrade the SR20 to:

- > **Centimeter for RTK**

### IMU:

The new 3-axis gyroscope is integrated as standard, to detect and compensate even the smallest fluctuations and movements of the machine in any direction.

This means highest precision in all conditions, regardless from the type of ground.





**GNSS (Global Navigation Satellite System):**

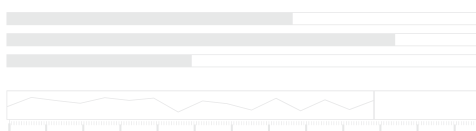
The SR20 receiver can pick up a huge number of different satellite systems, all compatible with it: GPS, GLONASS, GALILEO, BEIDOU and QZSS. The high number of compatible satellites available increases signal stability and accuracy, and ensures a guidance system that's fully reliable.

**Skybridge:**

This technology is optionally available for all SR20 receivers and bridges signal losses. Skybridge keeps the steering system engaged in case the RTK signal is not available due to loss of mobile internet connection. As a result, the machine keeps on working with RTK accuracy for a maximum of 20 minutes time frame.

**CTM:**

To receive an RTK NTRIP correction signal, a mobile internet connection is required. The Communication Telematic Module is equipped with a 4G M2M multinet data package. This feature significantly decreases issues of mobile data reception with RTK NTRIP, providing the highest reliability.



**Visual Guidance 25:**

Designed to suit virtually any agricultural machine type and model - the Visual Guidance 25 system provides flexible manual guidance for any application. The kit is available in aftermarket and contains the SC10 GNSS receiver and a 4,3" touchscreen terminal and can be installed independently on any type of machine.

**Highlights.**

- > Compatible with different correction sources: Autonomous and SBAS (WAAS, EGNOS, and MSAS)
- > TruPass™ advanced positioning technology for higher and stabler pass-to-pass accuracies in dynamic applications
- > Intuitive 4,3" touchscreen terminal with similar interface logic of 8" and 12" iMonitor
- > Various guideline types are available
- > Field management to display and work with field boundaries
- > Task management and coverage mapping for documentation of field work
- > Export of jobs via USB



**Visual Guidance 50:**

Machines which are equipped with integrated iMonitor can easily be expanded with the SC10 receiver. Besides manual track guidance, Visual Guidance 50 allows the use of all standard functions included in the iMonitor. It is a highly cost-efficient way to benefit from the wide features from the iMonitor, such as Automatic Section Control (TC-SC) and Variable Rate Control (TC-GEO).

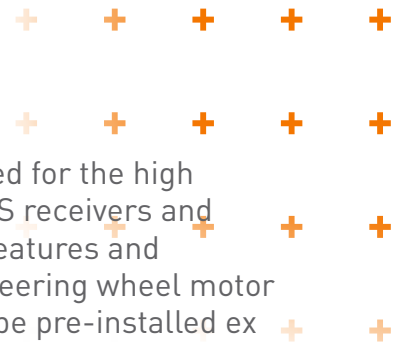
**Highlights.**

- > Easy to install on machines that are already equipped with iMonitor
- > Access to many functions of the iMonitor, e.g. Field Management, Task Management, Automatic Section Control, Variable Rate Control
- > Compatible with different correction sources: Autonomous and SBAS (WAAS, EGNOS, and MSAS)
- > TruPass™ advanced positioning technology for higher and stabler pass-to-pass accuracies in dynamic applications

Note: It is not possible to upgrade the SC10 to auto-guidance.







### **AES35 electric steering wheel:**

The AES35 is an electric steering wheel which is specially designed for the high accuracy requirements of auto guidance. Combined with our GNSS receivers and the iMonitor, we offer a complete steering system with excellent features and performances. The functional and slim design ensures that the steering wheel motor fits perfectly into any cab. The AES35 electric steering wheel can be pre-installed ex factory in the following models:

- > C7000 and C9000
- > 6C Series (powershift version)

Furthermore the wiring harness in many models is pre-dispositioned ex factory and therefore allows the AES35 electric steering wheel to be easily retrofittable.



The AES35 electric steering wheel easily achieves the same steering performance as a hydraulic system. Accuracy levels of up to 2.5 cm (depending on the correction signal) and low speeds < 500 m/h can be managed with ease. Active steering can even be used during reversing! With its nearly silent, directly driven high torque electric motor, the AES35 electric steering wheel is a first rate solution for a number of machines, e.g. on tractors and combine harvesters. It is also operated through the iMonitor – whether 8” or 12”, which means perfect system integration. Changeovers from machine to machine are possible and take only a few steps. This system is also easily retrofittable on older machines.

### **Highlights.**

- > Flexible installation on any type of machine / model (with or without any type of predisposition)
- > Perfect system integration and combination with iMonitor and SR20 GNSS receiver
- > Easy changeover from machine to machine in a few steps
- > Hydraulic performance with electric convenience
- > Maximum steering precision up to 2.5 cm, depending on the correction signal
- > Also designed for very low speeds (< 500 meters per hour)





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1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30





## SDF Data Management



**SDF Data Management – state of the art connectivity solutions to optimise operations, linking machines to the office or to any other assets.**

The use of agricultural data whether agronomic or machine specific is becoming more and more crucial for a successful operation and subsequently the centre of attention of farmers and contractors worldwide.

SDF Smart Farming Solutions offers customised and practical solutions to keep the focus on managing key data and staying connected at all times. The user stands always in the centre of all activities - completely free to make their own choices and decisions at any time, while all data remain their sole property.



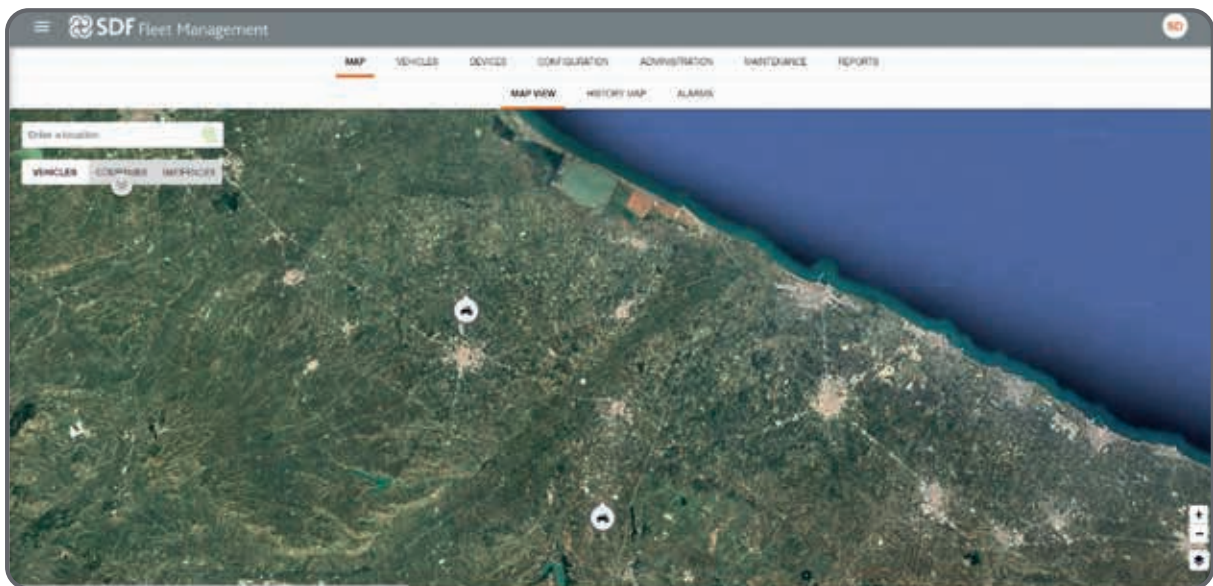


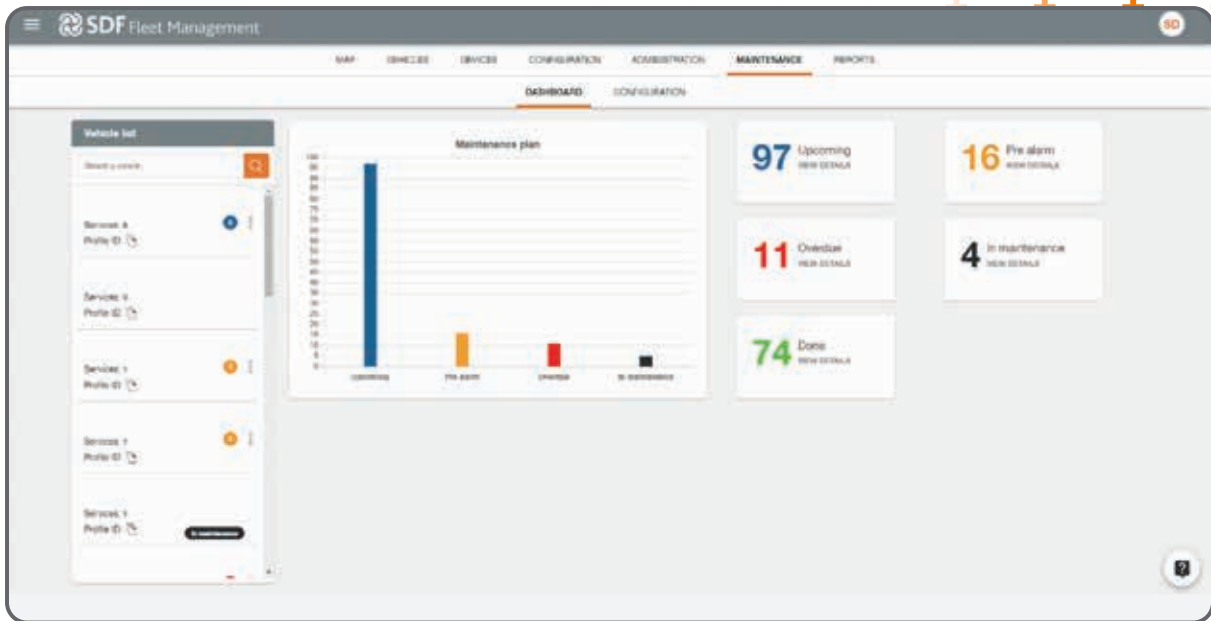
# SDF Fleet Management

With the new SDF Fleet Management application, SDF offers customisable solutions for real-time management of key data, both local and remote. The web-based application allows the farmer and contractor to collect data and monitor vehicles in real time concerning the operation of the machine. They benefit significantly from being in total control of their machines and from the ability to manage a host of vital data, such as tracking data relative to activities.

The SDF Fleet Management suite of applications is the centralised control interface for analysing telemetry data from SDF machines. This gives the possibility for users to analyse, monitor and even optimise the use of their machinery. The “map” view shows the location and status of machines or an entire fleet, and can also display historical data. On request, virtual fences can be set up, so that warnings are received if a machine leaves a predefined area.

Error messages may be forwarded to the technical support team of the dealership, and used to predict failure and reduce unnecessary machine down time. Thanks to the Remote Support application, dealers can easily access to the iMonitor after drivers permission to assist for eventual upcoming operational questions or issues.





## Highlights.

- > Overview of the fleet and detailed information of every machine
- > Live and historical data of machine usage
- > Display and monitoring of relevant machine data: GPS position, fuel level, speed
- > Setting of Geofence and curfews to avoid machine thefts
- > Monitor service intervals and error codes to plan maintenance and decrease downtime
- > Easy and quick use of Remote Access support from dealer thanks to Connectivity data insight
- > Access to manuals (e.g. How to use guides of SFS features) via integrated knowledge base

## CTM including application package, connectivity value package and SDF Fleet Management

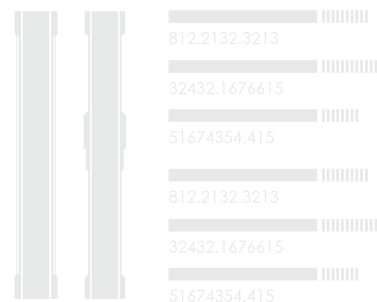
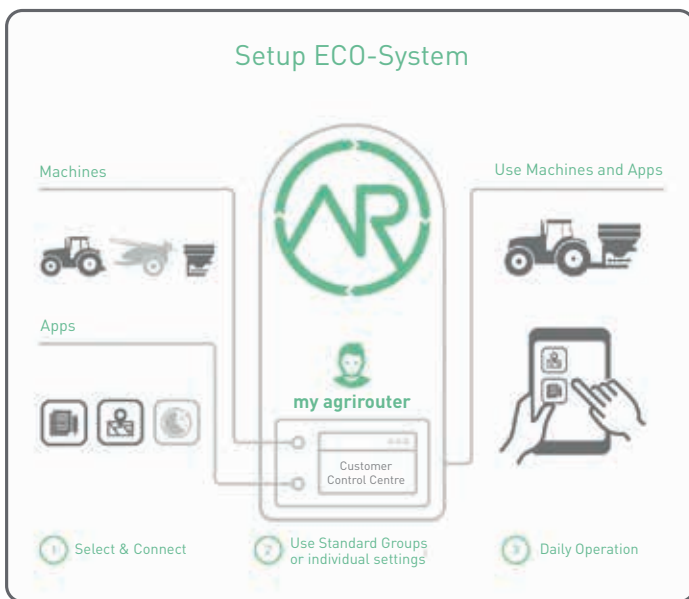
For a wide range of machine models, the CTM including application package and connectivity value package is available ex-factory. These packages include a huge number of features:

- > Communication Telematic Module (CTM) for the transfer of real time data via mobile internet connection (includes an e-sim card with a 4G M2M multinet data traffic package)
- > License for the usage of remote access
- > License for SDF Fleet Management browser-based web application
- > License for Data traffic: Provides mobile internet connection for the iMonitor to enable additional applications like the online data transfer via agrirouter, and reception for NTRIP (RTK)
- > Different durations are available ranging from 1 up to 5 years ex-factory.

# Agrirouter

Agrirouter is a universal data exchange platform that allows farmers and contractors to exchange data between machinery and agricultural software applications from a wide range of manufacturers. The agrirouter as a neutral instance only transfers data, but never stores them.

With the agrirouter work processes and office work can be reduced, economic efficiency can be improved and more time for other important things can be resolved. Each user can create their own free personal agrirouter account and configure it individually. The routes in which the data is transported are defined solely by the user in the settings centre. Existing machines can be retrofitted with the required SDF components and connected to the agrirouter. With the agrirouter account, farmers and contractor can connect all machines to any application from agrirouter partners. A list of partners and additional information can be found at [www.my-agrirouter.com](http://www.my-agrirouter.com). Machines and software applications can be linked in the personal agrirouter account. Rules can be defined to ensure that data ends up exactly where needed.







## Highlights.

- > Compatible with other machines in your fleet or from other farmers / contractors
- > Linking machines, implement and any other sources
- > Online data transfer between all partners without the need of portable memory devices
- > Reliable cross-manufacturer communication
- > Free, personal account with transparent costs

## Mobile data transfer

The CTM enables mobile internet connection for the iMonitor. This allows convenient data exchange with the agrirouter and the transfer of various files from and to the iMonitor. For a wide range of machine models, the data traffic package for mobile file transfer is available and includes a huge number of features:

- > Mobile internet connection for the iMonitor to enable different applications: Remote Access, online data transfer via agrirouter, data reception for RTK NTRIP
- > It is also possible to upgrade the data traffic package to the Management application.
- > The communication telematic module (CTM) for the transfer of data in real time via mobile internet connection is a precondition to use the mobile data transfer and the SDF Fleet Management.









# ISOBUS

Highest compatibility with all leading implement suppliers.

Electronics make agricultural machinery safer, more powerful, more precise and more efficient. ISOBUS simplifies communication between tractor and attachment as a plug-and-play solution: only one terminal for a large selection of implements, regardless of manufacturer.

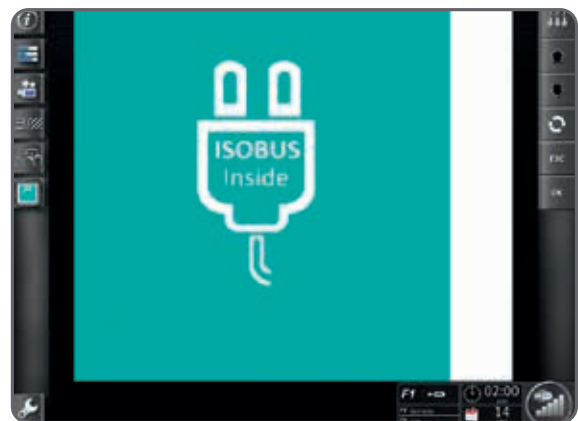
The Agricultural Industry Electronics Foundation (AEF) is an international partnership between tractor and implement manufacturers within the agricultural industry. Founded in 2008 the goal of the AEF is to promote the electronic standardisation and assure that ISOBUS-implements and tractors from different brands can be connected without any problems. ISOBUS is a core task of AEF. As an AEF core member, all SDF components are AEF certified and offering additional integrated functions such as the automatic section control or the automatic tractor implement control. This ensures maximum compatibility for our customers.

On SDF products ISOBUS allows to control via the iMonitor or by using the XTEND function all ISOBUS implements from different manufacturers, making the application more precise, more powerful and more efficient. Besides the standardised communication interface including various components, the amount of ISOBUS functions depends on the functionalities which are provided from the combination of tractor and implement. On SDF tractors, many features are included already ex-factory such as the automatic section control with up to 200 sections or the variable rate control which ensures that fertilisers and nutrients are spread with precision – in the right place and in the correct quantity - to give maximum functionality already as standard. The outcome is added convenience and cost saving.

The ISOBUS interfaces at front and rear make the tractor compatible with the attachments from all renowned manufacturers. All signals such as driving speed, position of the lower links or PTO speed are available for each implement in a standardised format. Regardless of which tractor-implement combinations are used the control screens for the attachments are shown on the iMonitor or on a tablet in combination with XTEND. This provides maximum work comfort and improves the all-round visibility. Communication between implement and field records is standardised with the ISO-XML format and therefore simplified.



Standardised interface between tractor and attachment (ISOBUS 11783).



The iMonitor as the central control unit includes all ISOBUS functions.



The AEF certification label installed on the tractor and implement states that ISOBUS components comply with the ISO 11783 standard and also with the supplementary AEF guidelines. Six abbreviations in small squares symbolise the functionalities. Detailed information about the certified product are stored in the AEF database at [www.aef-isobus-database.org](http://www.aef-isobus-database.org).

**AEF certified functionalities**

The ISOBUS functions allow to access a terminal for controlling different implements from different manufacturers, making the application more convenient as well as more precise, more powerful and more efficient.

The automatic section control (TC-SC) with up to 200 sections or the variable rate control (TC-GEO) ensures that fertilisers and nutrients are spread with precision – in the right place, at the right time and in the correct quantity.



Independent of application profile – all ISOBUS implements are displayed through the Universal Terminal of the iMonitor.



AUX-N assignment: depending on features, up to 10 functions can be assigned on the armrest and 9 additional functions in the monitor.



TC-GEO. Processing of an application map is included in the 12" iMonitor as a standard.



With automatic section control and a sprayer with single nozzle control farmers and contractors can save resources like plant protection chemicals. Automatic section control with up to 200 sections is a standard features in all iMonitors.



As a core member,  
SDF is AEF certified.



## UT

Any attachment can be controlled with the Universal Terminal in the iMonitor. In full screen mode, the UT can be shown across the entire screen.

## AUX-N

With Auxiliary Control (new), function buttons on the armrest are used to control the attachment. In addition to the MaxCom joystick, the joystick buttons are also available. Depending on the installed options, this provides up to 10 controllable functions. In addition, the iMonitor offers an additional 9 soft keys for free assignment. Really convenient: steering system functions, such as steering activation, can also be assigned to the buttons.

## TC-GEO

Additionally offers the option of recording or planning location-related data. The iMonitor (12") can process application maps, for example. Our combine harvesters can generate yield maps in combination with the Yield Trakk system.

## TC-BAS

Documents total values which are useful with regard to the work performed. The values are provided by the implements. The data exchange between the field record files and the Task Controller uses the ISO-XML data format. This makes it easy to import jobs into the Task Controller and / or later export the finished documentation again.

## TC-SC

This automatically sets sections for the attachment (e.g. pesticide sprayer, fertiliser spreader, seed drill or hoe) depending on GPS position and overlap. The iMonitor can easily work with up to 200 sections!

## TECU

The tractor ECU is the "job computer" of the tractor. Information such as speed or PTO speed are provided centrally here. In addition, a device socket on the rear of the tractor and a terminal socket in the cab are required for certification of this function.

## TIM (NEW)

Communication in two directions. Information can be transferred from the attachment to the tractor. An attachment can use the Tractor Implement Management System (TIM) to automatically control certain tractor functions. This includes: driving speed, control valves, linkage, PTO. SDF tractors have been TIM ready for some time and have already proven its reliability and the high performance in the field with many attachments. On the latest SDF tractors TIM can be activated via license. Additionally before purchase SDF customers benefit from a time-limited trial version to convince themselves of the high performance and increased efficiency by using TIM.



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