



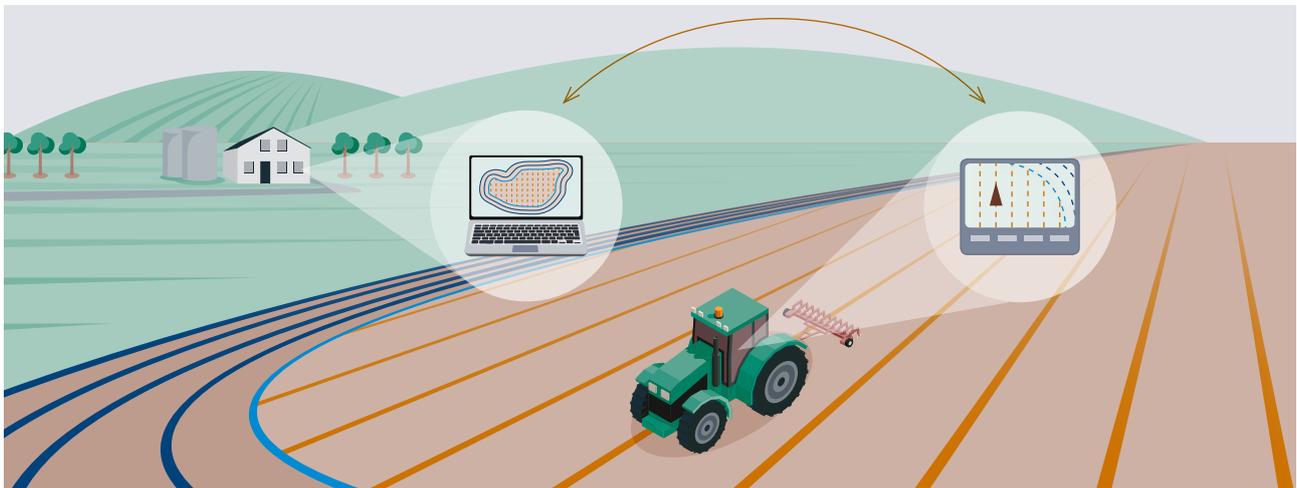
# Combine Precision Farming with intelligent fieldplanning

planned, optimised, reusable

# Optimised processing strategies for agricultural machinery and robotics

With our comprehensive solution for automatic fieldplanning you get a portfolio of proven special functions for the intelligent pre-calculation of tracks and field elements up to the optimised calculation of complete field cultivation strategies. The consideration of specific vehicle and machine geometries as well as the support and visualisation of special functions for various machine types are of particular importance. The solution can be integrated into systems on various platforms and adapted to

your individual wishes, requirements and corporate design. The results achieved, such as optimal tracks, Geo-Objects created and comprehensive cultivation strategies, can be transferred wirelessly and in an uncomplicated manner directly to your systems without any loss of quality. You and your machines will be even better positioned for precision farming and automated field cultivation.



Automatic FieldPlanning for optimised field cultivation

## Our functions integrated into your systems

### FieldPlanning

"FieldPlanning" offers the option of planning tracks in the "Parallel" and "Contour" modes for cultivating the main field. The basis for this is the entered working width of the machine used. The lanes are calculated and optimised on the basis of the created field boundary segments.

Statistical data such as the number of tracks, track length and number of turns are calculated in detail for each scenario. This helps the end user to assess and compare the quality of the solution.

- ✓ Automatic calculation of the tracks  
on the basis of tried and tested algorithms used over many years
- ✓ Makes work easier for drivers  
by specifying many objects and settings
- ✓ Reusability of plans  
for targeted use even in subsequent years



## Headland planning

“Headland planning” allows simple and convenient planning of work in the headland before the actual field work is carried out. This gives your target group the significant advantage that track recording no longer has to be laboriously carried out at the terminal. Instead, planning is carried out conveniently by selecting the relevant field boundary segment directly on the end user’s PC.



Optimisation of the headland zones  
to avoid gaps and defects



Calculation of headland tracks  
automatic steering in the headland

## Processing sequence and tramline planning

The functionality for „processing sequence and tramline planning” allows your target group a flexible and optimal arrangement of the working steps in the headland, the main area and detours around obstacles. In addition, an optimum tramline tuning of successive machines with different working widths can also be carried out. On this basis, your solution guarantees the end user the most efficient possible field cultivation.



Use of tracking systems  
in the main area, such as “Sequential” or “Linear”



Planning of machine chains  
on the basis of the track transfer to each machine



Increase in work performance  
by specifying work processes for the drivers

# Why LACOS as your partner

## Combine your machine or display with our solutions

As a machine manufacturer or system integrator, you have the option of integrating our software packages individually into the PC, Web, Display or Tablet platforms according to your requirements. You benefit directly from the numerous advantages of our solutions, including reliability, customer orientation and many years of expert knowledge. As a partner, we accompany you from the initial idea through the individual requirements analysis to the complete integration of our solution into your system.

of precision farming and automatic documentation. Driven by innovation, creativity and customer wishes, we are always discovering new possibilities to adapt agricultural machinery even better to the wishes and needs of the user. Specially developed algorithms and development structures, in-depth analyses and state-of-the-art tools and standards are used.

## Benefit from the potential of our expertise

With LACOS you will gain almost 30 years of intensive experience in the domain of software-supported machine control and information processing. Our experienced developers work daily on the optimisation and expansion of our solutions in the areas

## Ensure your success through custom software development

Already have rough ideas and ideas for your future projects, but don’t know how they can be put into practice? We would like to be your partner in the development and advancement of forward-looking and sustainable innovations. We would like to accompany you in a holistic process and lead the joint project to success.

Would you like to take this step with us?

Then we look forward to hearing from you.

# Your contact person

Always at your side – fast and personal



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