

## Transvision helps Lantmännen reduce fleet costs, mileage and CO<sup>2</sup> emissions using its Fleet Planner software with NAVTEQ map data



Lantmännen needed advanced transport planning and optimisation to make its fleet of over 800 vehicles more efficient – it chose Transvision Fleet Planner which is supported by NAVTEQ mapping.

### Challenge

A key player in Scandinavia in the agriculture, food, and bio energy industries, Lantmännen produces a broad range of products from animal feed, grain and machinery to finished consumer goods. It has customers in 50 countries.

Transport is key to Lantmännen's operation, particularly in the Swedish home market where huge distances are involved. With over 800 vehicles on the road, it was costing the company around 200 million Euros per year. Therefore it became vital to find ways of increasing transport efficiency and decreasing expenditure. Lantmännen's agricultural business area with approx. 350 trucks and annual transport costs of approximately 52 million Euros was a good place to start.

### Solution

An advanced transport planning and optimisation system was the logical step and having tested various options, Lantmännen chose Transvision Fleet Planner with NAVTEQ map data - a dispatching and scheduling system which excels in dynamic operational planning and optimisation. Transvision Fleet Planner offers a complete operational overview with features such as digital maps and Gantt charts.

The system was initially implemented as a pilot project in the animal feeds sector of the agricultural business unit which distributes products to farmers all over Sweden. This clearly demonstrated it could handle the relevant logistics and necessary planning. By optimising routes and sharing resources between regions, there was significant potential for reducing costs and CO<sup>2</sup> emissions. The fleet could also be substantially better utilised by co-ordinating backhaul loads following deliveries.

Within a few months of implementing the pilot, the system was rolled out across the entire animal feed business.



### THE CHALLENGE

- To reduce very significant annual transport costs and decrease mileage and CO<sup>2</sup> emissions

### THE SOLUTION

- Advanced transport planning and optimisation system
- Dynamic operational planning and optimisation
- Functions include automatic planning, route optimisation, shared resource planning, digital maps and Gantt charts
- Ideas for expanding the application include planned deliveries based on online measured stock levels and integration of automatic planning with production capacity and costs

### THE BENEFITS

- Significant improvements to the bottom line
- 8% increase in volume transported per truck
- Mileage and CO<sup>2</sup> emissions reduced by 3% despite increase in volumes
- Shared planning and resources between regions and plants
- Better utilisation of the fleet through co-ordinated backhaul loads

## Benefits

Much larger volumes can be transported per vehicle and per planner which has led to significant improvements in the bottom line.

By combining the implementation of Transvision Fleet Planner with strategic actions Lantmännen has been able to increase the volume transported per vehicle by 8% and reduce both mileage and CO<sup>2</sup> emissions by 3 % - despite the increase in volumes.

A major benefit for the planners is the system's ability to provide an overview of the full plan across different regions and production plants. Previously it was very difficult for planners to share vehicles between two nearby plants but now they can easily access each other's plans and resources.

Lantmännen is considering several ways to expand its use of Transvision Fleet Planner including automatic planning of the next delivery based on online measured stock levels in the farmers silos. Another potential application is integrating automatic planning with the production plants taking into consideration production capacity and cost.

Based on the excellent results with the agricultural unit, Lantmännen would also like to expand the system into its other nine business sectors.

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### About Lantmännen

Lantmännen is one of the Nordic area's largest Groups within food, energy and agriculture. The Group, is owned by 40,000 Swedish farmers, operates in 19 countries, has 12,000 employees and a turnover of SEK 42,9 billion. Within the Group there are a number of businesses closely related to the farmers' needs, and with the customer in focus, Lantmännen is active in every part of the value chain.

### About Transvision

Transvision A/S is a leading provider of advanced, automatic transportation planning systems. Transvision has 30 years of experience in developing and implementing planning systems, ranging from traditional route planning solutions to dynamic and real-time based scheduling and dispatching systems. The Scandinavian based company is among the biggest in the planning industry and is rapidly growing via local sales and support offices outside of Scandinavia. For more information visit: [www.transvision.eu](http://www.transvision.eu).

### About NAVTEQ

NAVTEQ is the leading global provider of maps, traffic and location data (digital location content) enabling navigation, location-based services and mobile advertising around the world. NAVTEQ supplies comprehensive digital location content to power automotive navigation systems, portable and wireless devices, Internet-based mapping applications and government and business solutions. The Chicago-based company was founded in 1985 and has approximately 4700 employees located in 204 offices in 46 countries.

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### The NAVTEQ contribution

NAVTEQ data includes a broad range of attributes which are invaluable for route planning. In addition, roads are divided into categories which can be assigned different speed profiles. Consequently, time calculations can be made for specific routes which enables more accurate scheduling.

Transvision chose the NAVTEQ database because it was believed to deliver the best available data for the Swedish road network.

*"The fact that we are able to transport much larger volumes per truck and per planner has significantly improved our bottom line."*

**Per Klemmedsson.**  
Lantmännen Project Manager



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