

## CASE STUDY



## Integral telematics system perfects mobile order management

To be able to serve customers with efficiency and superior services, Emil Egger AG, which is active in the field of transport, heavy goods and warehouse logistics, has relied on the use of innovative technologies for automated, paperless order processing for years. With the introduction of the on-board computer supported telematics system **TRANSPO-Drive® 3015** the Switzerland-wide established general cargo and heavy goods specialist defines a new standard in the field of electronic order management.

### First-class logistics services

300 employees, around 180 vehicles, including 11 mobile cranes, a storage capacity of over 50,000 m<sup>2</sup> - impressive figures

that Emil Egger AG can come up with. However, it is not numbers that characterize Emil Egger AG, founded in 1931, but the clear focus on general cargo, long goods and heavy goods transport as well as on warehouse logistics. In these areas, the Emil counts

The Egger Group – which includes Emil Egger AG, Zumwald Transports SA, based in Avenches, and Halag Spedition AG in St. Margrethen – is one of the most innovative players in Switzerland.

Focusing on the demanding General cargo logistics provides that of the brothers Michael and Markus Egger in third

generation companies have competitive advantages that are decisive for success, but requires a high degree of flexibility and constant process optimization. It is therefore important to offer the comprehensive and often complex services efficiently and cost-effectively and to keep the necessary administrative and communicative processes running smoothly to improve. Against this background, it is not surprising that Emil Egger AG has relied on the use of suitable technologies to optimize scheduling and communication for many years. The company already has a mobile one in 2006

Fleet control system procured and the vehicles equipped with a permanently installed telematics system. This is with the aim of using the available resources such as trucks, trailers and drivers efficiently, reducing empty runs and downtimes

minimize, optimize routes, monitor route progression and delivery times (order tracking) and to prevent incorrect deliveries.

### Added value for customers

Thanks to the fleet control system used at Emil Egger AG, communication between dispatchers and the driver could be improved and paperless dispatch became possible. However, the solution was not able to integrate functional extensions or cover new needs. to

the purely text-based editing post module for data communication Limits in terms of user interface. Came added that the existing communication and information terminals are coming to an end of «Life» and through a new one generation of devices had to be replaced. Emil Egger AG took this as an opportunity to evaluate a new, forward-looking communication system. As part of this project, the management discussed the current needs in detail and in a specification

detained. «The upcoming procurement of the telematics solution wanted

“By choosing Nufatron, we are relying on an experienced and innovative partner in the area of communication systems.”  
Markus Egger, Management, Emil Egger AG

we use it as an opportunity to put our mobile order management on a new, stable and tailor-made basis. The corresponding solution should, on the one hand, support our current needs precisely and, on the other hand,

Be able to map future needs,” said Markus Egger, Managing Director of Emil Egger AG, on the evaluation. And he adds: “We were faced with the choice of procuring an established overall solution from a pan-European provider that was able to cover around 80 percent of our current requirements. However, this only allowed limited adaptation options to our specific needs. We didn't want to accept this restriction and therefore opted for the flexible Ge

complete solution TRANSPO -Drive® 3015 from Nufatron. Since the Telematics system was still in the development phase at the time of our evaluation, we had the unique opportunity to contribute our far-reaching requirements and experience to the project. We consciously accepted the potential risk of a possible project delay – and we were rewarded across the board.

Today we are enjoying a comprehensive one Telematics system that meets all our expectations and gives us the opportunity to create added value for customers and un to strengthen our competitive position.»

According to Markus Egger, reputation, many years of experience and the geographical proximity of the system supplier played a key role in the decision in favor of the Nufatron solution: “Nufatron, which is based in Göttingen in the canton of Thurgau, specializes in the development of on-board computer-based logistics telematics systems specialized, has made a name for itself in the industry for years with customer-specific complete solutions and has proven its competence in numerous projects. We are convinced that we have found the most suitable solution partner in Nufatron.»

### Groundbreaking overall solution

With the TRANSPO-Drive® 3015 telematics solution used by Emil Egger AG are on-board computer-supported, permanently installed and industrial-grade car PCs whose functionality can be defined on the basis of individual software modules.

TRANSPO-Drive® 3015 supports all of them conceivable interfaces to scheduling applications and sensors (e.g. temperature sensors), communicates seamlessly with the digital tachograph and the emotaCH «toll onboard unit». The fleet management interface (FMS interface) is also used to access the vehicle's internal data bus (CAN bus) in order to obtain vehicle operating data.

In addition, TRANSPO-Drive® 3015 a powerful navigation system with truck-specific information and signaling as well as a Bluetooth interface. This is for communication

tion with peripheral systems such as RFID and barcode readers, temperature loggers and with the HVF recording device emotaCH.

The integrated fleet management software TIS#FleetViewer is also of particular importance. She provides it

customers a large degree of autonomy.

Does the dispatching system used not support all desired functions?

Nufatron fleet management software is a perfect complement. TIS#Fleet Viewer contains far-reaching functions

functions such as locating and tracking trucks, trailers and swap bodies, order tracking according to status and performance as well as vehicle status and evaluation of vehicle data (CAN/

FMS). In addition, FleetViewer enables a transparent evaluation of driving behavior with the aim of promoting ecological and economical driving

other Additionally includes TIS#FleetView who is an interface for communication with third-party telematics systems. This makes it possible to gradually migrate old installations to the new platform to migrate.

The complete telematics solution **TRANSPO Drive® 3015** can be installed in all Lo

Use gistics divisions - for example in cargo, food, car port and healthcare Environment – and stands out among other things through the following features:

- Mobile order management
- Convenient process management and workflow steering
- Mapping company-specific processes
- Navigation and route guidance incl. geofencing





- Intuitive GUI (self-explanatory, graphical user interface) multilingual
- Offline operation possible
- Automatic trailer identification
- Reading of speedometer and toll data -
- Monitoring of up to four climate zones with warnings in the event of deviations (incl. proof of cold chain)
- More suitable for industrial use, pronounced robust 7" touch screen
- Collection of driver and vehicle data for fleet management
- ECO-Drive driving style assistant
- Connection of mobile clients for scanning, Signature capture, damage management (photos)
- Truck manufacturer independent
- Seamless integration of telematics third-party systems

### Prepared for the future

Thanks to the gradually introduced TRANSPORT Drive® 3015 telematics system, Emil Egger AG now has a modern, scalable communication platform that supports all currently desired functions and is also able to cover future needs. According to Markus Egger, the first extensions are already being discussed: "We will soon be introducing the ones in the

Mobile devices or smartphones can be added to terminals installed in vehicles.

This gives drivers the option of capturing digital signatures on the go or damage with the help of photos to document cases and thus that optimize damage management. These and other functional extensions can be made thanks to the distinct modula

ry of the telematics solution used at any time. As a result, we benefit from the advantages of a stable Standard platform and the advantages of a tailor-made individual solution. This, in turn, opens up the possibility for us to optimize our logistics processes in the long term and adapt them to changing customer needs, make optimal use of resources and support our employees in their demanding work. We and our customers benefit from this in equal measure.»





Products are successful when they are easy and convenient to use. Like Nufatron's TRD-3015 telematics system, which reduces complexity in an impressive way.

Markus Egger, Management, Emil Egger AG



## Emil Egger AG

Founded in St. Gallen in 1931, Emil Egger AG is one of the top ten logistics service providers in Switzerland. That of Markus and Michael

The third-generation Egger company with headquarters in St. Gallen and locations in Härkingen, Avenches, Fribourg, Crissier, S. Antonino and St. Margrethen offers its customers extensive services in the areas of transport, heavy lift and warehousing logistics. Around 300 employees stand for experience, quality and flexibility and ensure a seamless logistics chain and a smooth flow of goods with commitment and know-how.

## EPS Software Engineering Ltd

EPS-Nufatron, which belongs to 4IT Holding AG and is based in Wil (SG), is one of the leading Swiss providers of on-board computer-supported logistics telematics systems.

As a system integrator for industry and customer-specific solutions in transport logistics, the company designs and develops innovative ones

Complete solutions for logistic data collection. These include mobile order management with location and navigation, the collection of driver and vehicle data for management and the integration of systems

With more than 30 years of experience in system development and production, the company has a clear focus on

tailor-made telematics solutions for transport logistics, EPS-Nufatron has established itself throughout Europe.

### The challenge

- Replacement of the outdated mobile fleet control system
- Figure order status of the old Systems (feedback) in the new TIS#FleetViewer
- Integration of various scheduling clients (Egger/Zumwald) in one system (two scheduling systems, one TIS#FleetViewer)
- Optimization of logistics processes using mobile order management, convenient process management and flow control
- On-board navigation and route guidance including geofencing
- Project-related evaluation of a new hardware base, ours requirements are sufficient

### The solution

- Telematics system solution TRANSPO Drive© 3015
- Mobile clients for scanning, sub Writing, damage management (photos)
- Custom-fit image of your own business processes
- Fleet management software TIS#FleetViewer
- Parallel operation TRD-3015 with existing telematics

### performance characteristics

- Mobile order management and mobile production data acquisition
- Modular construction; expandable according to (End) customer requirements
- ECO driving style assistant
- Reading of speedometer and LSVA data
- Simple and intuitive to use User interface, multilingual
- Seamless integration of third-party telematics systems
- Independent of vehicle type and manufacturer

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