

Live traffic information in TX-CONNECT with PTV xServer



Transics

"TX-CONNECT's new capabilities make planners' work much easier and eliminate all kinds of issues."

Leo ten Veen, International Transport Planner at Verhoek Europe

THE TASK

Transics supplies advanced solutions for truck and trailer management throughout Europe using modern telematics technology. One of its many customers is Verhoek Europe, an international transport company with a fleet of 350 vehicles.

Verhoek specialises in the transportation and distribution of flooring rolls, from vinyl and carpet to artificial grass. "Our entire logistics system has been designed around this task, including our warehouse and trailers. Over the past few years, other flooring materials such as laminate and boards have also been transported," explains Erik Hattem, Head of Human Resources at Verhoek.

As well as the main site in Genemuiden in the Netherlands, Verhoek has five sites in Germany and two in Belgium. From these sites the family business, which was established in 1953, covers a vast distribution network throughout Wes-

tern Europe. In 2008, all Verhoek vehicles were fitted with a Transics fleet management solution, to keep the process running smoothly. This consisted of the TX-CONNECT back-office software at the office and TX-MAX on-board computers for the trucks. "Our customers increasingly require up-to-the-minute information on their consignments. Transics supplies a complete solution and is a trusted partner," says Hattem.

THE SOLUTION

At the head office in Genemuiden, Verhoek uses Transics' new online back-office platform, TX-CONNECT. This platform gives planners at Verhoek a real-time overview of the positions of all vehicles. Through a connection to the digital tachograph, planners are able to quickly check how much driving time each driver has remaining, and therefore who might be able to make an extra journey. "If we receive a request from a customer to pick up a load in Frankfurt

during the course of the day, we can see immediately which vehicle and which driver is nearby," Hattem explains.

Transics' TX-CONNECT back-office software uses PTV xServers, which allow IT companies like Transics to integrate geographical and logistics functions into their software solutions. TX-CONNECT is made up of the following components:

- PTV xLocate Server: offers reverse geocoding and address validation
- PTV xMap Server: shows routes and objects in different formats on the map, with a range of zoom and navigation functions
- PTV xRoute Server: calculates the quickest and shortest route between two or more locations, including distances, journey times and toll charges.



"PTV is a driven and results-oriented partner - two values which are also of great importance at Transics."

Jeffrey Baljet, Operations manager, Transics

"Our customers increasingly require up-to-the-minute information on their consignments."

Erik Hattem, Head of Human Resources, Verhoek Europe

"Transics has been working with PTV for thirteen years," explains operations manager Jeffrey Baljet. "We were looking for a B2B partner that focused on the same target group - transport and logistics companies - and that would provide solutions designed especially for our target group. An excellent example of this is the guided navigation that allows planners to choose routes themselves via TX-CONNECT, saving money on unnecessary fuel and toll charges. PTV's software components can also be integrated into our own platform simply and quickly."

Transics and PTV work together closely. Developments at both companies, as well as any requests and suggestions from customers, are discussed at least once a quarter. "Finally, PTV is a driven and results-oriented partner - two values which are also of great importance at Transics," adds Baljet.

THE RESULT

The integration of PTV's new components in the most recent version of Transics' TX-CONNECT back-office software has given Verhoek many more options.

Thanks to the PTV xServer, planners now have access to live traffic information and toll charges. Queues, road works and closures are also displayed clearly on the TX-CONNECT map. With a few clicks, planners can forward traffic information to the on-board computers in one or more trucks, so that the relevant drivers have enough time to choose an alternative route. "This is particularly useful in the winter, when some roads in Germany are closed to trucks due to the snow. We can also give customers advance warning when we see that a driver could get stuck in traffic," says Leo ten Veen, International Transport Planner at Verhoek.

Another tool that runs via the PTV xServer is guided navigation. Using TX-CONNECT, planners can choose their own routes, save them to the memory and forward them to the truck's on-board computer. This means that drivers follow

the specified route automatically, without being aware of it, through their on-board computer's navigation screen. Thanks to corridor fencing, it is possible for planners to signal if a driver does deviate from this route.

Ten Veen likes this option. "If our drivers are travelling from our Cruyshautem site in Belgium to our Sottrum site near Bremen, the navigation system sends them through the Ruhr. We can now send them via Genemuident. This is a few kilometres further but our drivers can fill up here and will also pay fewer tolls." There is a similar situation for journeys between Berlin and Genemuident. "The navigation system automatically sends drivers through the hilly area around Hanover. Experienced drivers know that taking this route with a full truck uses up a lot of fuel and so take a detour of a few kilometres through Bremen. Now we can ensure that all drivers take this route," says Ten Veen, who is positive about the collaboration between Transics and PTV. "TX-CONNECT's new capabilities make planners' work much easier and eliminate all kinds of issues."

PTV xServer Supports Customers in Meeting Critical Delivery Deadlines



About Express-Kurier-Europa



Since 1983, Express Kurier Europa GmbH stands for transport services out of one hand. The company has continuously expanded and now operates five offices in Germany and Austria. They manage a professional and permanently available fleet of various vehicles focusing on urgent and time-sensitive deliveries. Express Kurier Europa guarantees direct and uncomplicated transport within Europe.

THE TASK

Express shipping, direct delivery, courier services, hazardous and frozen goods transport. These types of service require extremely fast response times and uncomplicated processing. The international forwarding company Express Kurier Europa has specialised in providing these services - and has developed its own software, dispotex, for the job. Striving to continuously improve its customer service, the company decided to look for an additional solution that allows for both localisation and visualisation of their vehicles. With TomTom Business, which allows Express Kurier to locate its vehicles, they found the first cornerstone of their add-on solution. They then looked for a tool that allows to visualise the vehicle positions on a digital map and provides professional route planning services. But it also needed to have an automatic geocoding function to geocode trip positions and master address data.

Before using TomTom Business and PTV xServer, the dispatchers had to call drivers to find out their current location. "The dispatchers entered the information into a text field and the drivers were informed of destinations by phone or via an SMS portal", says Angela Seitz, Director of Kurier Express IT. "For route calculation we used standalone solutions like AND and Google Maps. The whole procedure was complex and time-consuming".

THE SOLUTION

Three of PTV's xServer components meet all requirements of Express Kurier Europa: "We were switching to the TomTom Business telematics system, so we decided to extend our dispotex software to a professional and complete high-end solution by integrating several PTV xServer software components.

We got the map material, i. e. Teleatlas, and several features for route planning and calculation from PTV. PTV xServer takes care of reverse geocoding the position data received from trucks and transporters. This ensures that our dispatchers always know the current position of each vehicle.

ADVANTAGES OF PTV XSERVER

- No development of proprietary software tools
- Reliable standard technology
- Straightforward integration
- Extensive service and support
- Extensibility through modular design
- Scalability
- The latest maps and data
- Customised settings

Read more at xserver.ptvgroup.com

“The PTV xServer modules have turned our in-house developed scheduling software into a complete solution. The modules have become indispensable to us - especially when used together with TomTom Business. The processes are now optimally tailored to our needs and our response times have been considerably reduced, so that we’re now able to provide our customers with excellent service.”

Angela Seitz, Director of IT Express Kurier Europa

THE RESULT

PTV xServer integrated into the dispotex software means: Express Kurier can now see all vehicles on the map in real time - and depending on object availability, the vehicles are displayed in different colours. This provides the basis for immediate and reliable responses to our customers’ enquiries. If a customer asks for a specific transport from A to B with a stop in C, the function “Find closest suitable vehicle for customer inquiry” immediately informs them whether a vehicle is readily available or whether they should expect some waiting time. “The enquiry is saved to the system and can be directly processed as a transport order, including any number of loading and unloading sites”, Angela Seitz explains.

Since the vehicle positions are always known, transport can be traced on the integrated Teletlas map. In addition, TomTom Business continuously reports the status of each order back to the system. “We are very happy with the software”, says Angela Seitz. “Moreover, the service PTV provides shows they are an excellent and fair partner, who also recommends other specialists if needed. This is how the company Geoconcept got involved: PTV recommended them to make some of the technical enhancements. The whole project was a very successful cooperation of several experts. And this success is confirmed by the positive feedback we have received from our customers.”



Added Value Thanks to Innovative Software: AndSoft Integrates **PTV xServer**



About AndSoft



The software company AndSoft, which is based in Andorra, Spain and France, specialises in solutions for supply chain management. The company developed the first web-based transport management system in 2000. Today, e-TMS is a cloud-platform for transport logistics and supports transport management for more than 4,000 customers in 14 countries, who use it to coordinate, plan and analyse more than 15,000 vehicles.

INNOVATION AS ADDED VALUE

e-TMS, the cloud-based transport management system (TMS) from AndSoft, offers many benefits for its customers: It supports a high data volume, enables customer adjustments in real time and offers flexibility for international transport management. This includes the connection between transport companies and customers, between the different rates structures and international requirements in the transport sector, and support for multi-modal planning.

“We have been developing solutions to increase the productivity and competitiveness of transport companies since 1996. We developed the first web-based TMS in 2000, and today we are the leading TMS in the Cloud. For special transports, hazardous goods, air freight, refrigerated transport or groupage traffic - we are able to support our customers in all these and many other sectors. Innovation is an added value for our customers”, says Julio Borrell, COO of AndSoft.

This is why he is particularly pleased that the functions of PTV xServer have been added to the TMS in 2013. Since then, several hundred users have already used functions which are based on software components from the PTV Group.

PERFORMANT COMPONENTS

PTV xServer offers high-performance software components, which perform logistical tasks and can be integrated into existing IT systems.

AndSoft is using the PTV xLocate Server for geocoding, the PTV xMap Server to display digital maps and the PTV xRoute Server to calculate routes. The additional Logistics Package completes the range for AndSoft. This includes toll data, eco tax and CO2 calculation, as well as truck attributes.

“Thanks to the PTV xServer, we can now offer our customers professional calculation of transport routes as well as an exact overview of all costs incurred. This includes Europe-wide toll calculation, emissions calculation and the calculation of the French eco tax, which was introduced in France in October 2013. That is a real added value for our

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“Thanks to the PTV xServer, we can now offer our customers professional calculation of transport routes and all costs incurred.”

Julio Borrell, COO AndSoft

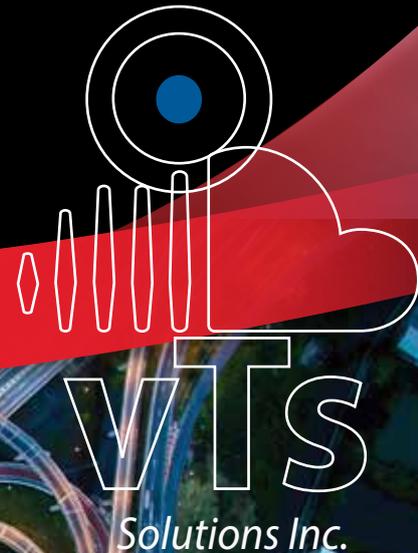
customers!” Julio Borell is convinced. And that’s not all: When calculating routes, the customers can also largely avoid routes where tolls or eco taxes are due, or calculate alternative routes. Obviously they will also be given cost calculations for these routes.

FROM CUSTOMER PROJECT TO STANDARD

The fruitful cooperation started in 2012 with a large customer project. This was when AndSoft gained their first experience with PTV xServer. The customer was very pleased with the results and AndSoft decided to offer the project solution to all of its customers.

“A decision that has proven to be spot-on”, says Julio Borrell. Julio Borrell believes that the integration of exact planning and monitoring of transport in e-TMS is a huge advantage. Customers have confirmed to him that e-TMS gives them very good results. “Our customers are happy - and we have found the perfect partner for our solution”, he concludes.

Reliable Routing Guidance with PTV xServer



About Les Taxis Bleus



The company Les Taxis Bleus establishes contact between its customers, namely passengers and taxi drivers. 100 dispatchers connect passengers and drivers 24 / 7. The demand for taxis in their core market Paris is high.

- 15,000 - 20,000 calls per day with peak times in the morning and evening;
- 7 million taxi rides per year
- 13 million passengers per year

In the 90s, Les Taxis Bleus developed their own map software that calculated the travel time from the taxi location to the customer's address. The system, however, requires a lot of maintenance since it needs to be continuously adapted to the changing traffic situation.

THE TASK

Today's objective is to simplify and optimise the communication between passengers and drivers. The dispatch centre needs software with a real-time map and functions with increasing performance, especially in terms of processing time.

THE SOLUTION

After checking the map solutions available on the market, Les Taxis Bleus opted for PTV xServer.

"The basic software provides a turnkey solution to which we can add various components, creating our own individual solution. Moreover, the tools are reliable, tried and tested and updated regularly. That's a guarantor for quality and continuity", says Patrick DEL VECCHIO, CIO of Taxis Bleus.

Our starting point is the geocoding of customer addresses. Every address entered needs to be validated. Once it has been validated by the software, the location is transferred to the driver's system. The driver is then automatically guided to this address.

"This is an additional service we provide for our drivers. It helps them save time when collecting their passengers and reduces address search problems." The software subsequently calculates the travel time to the customer. "Considering the number of calls and inquiries we receive, the system has to be efficient and operational at all times in order to provide reliable results in real-time." And finally, the software allows the dispatch centre to improve the taxi search, i.e. to find the taxi closest to the passenger's address.

In view of sustainable development, Les Taxis Bleus have decided to extend their range of services to include Taxis Verts (Green Taxis). "As one of the co-founders of the Kilom'ètre Programme, we are sensitive to the amount of carbon dioxide we emit on our roads. If our customers now ask for Taxis Verts, we are able to calculate the CO2 emissions for their route using the software by PTV", explains Patrick DEL VECCHIO.

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“We’ve opted for the PTV xServer components in order to guarantee 7 million taxi rides per year. The PTV xServers are reliable, tried and tested and updated on a regular basis.”

Patrick DEL VECCHIO, CIO at Taxis Bleus

In the course of a year, the taxi business in Paris and vicinity is affected by numerous events, such as 14 July. During this time, it is impossible to collect passengers in the area around the Champs Elysées. Using the RoadEditor - a function of the PTV xRoute Server, the dispatch centre is able to block a geographic area for access on the map. Route calculation then takes into account that there is only limited or no access to this area. The distance and time calculated for the trip are then very precise.

THE RESULT

“Our customers are regulars. In order to maintain customer loyalty, we need to provide an excellent service. For the passengers that means reliable response times and validated distances. For the drivers validated addresses, realistic travel times and smooth navigation to the customer’s address are important”, concludes Patrick DEL VECCHIO.

Modernized functionality with improved performance



“The integrated PTV xServers enabled us to increase the quality of our software. Each demonstration given to customers has seen a positive reaction.”

Jon Hannah, product manager at Isotrak Ltd.

THE TASK

The customer demand for mapping improvements had been growing for some time. As we at Isotrak always strive to iteratively improve our software based on customer feedback, we decided to modernize software functionality and improve performance,” explains Jon Hannah, product manager at Isotrak. The British company is a market leader in the field of telematics and transportation software.

Jon Hannah is responsible for assembling products that meet the customers’ goals and expectations for their business. “To this end we provide software innovations that drive Isotrak’s offerings forward,” says Hannah. Mapping performance was

one of the features that Isotrak wanted to improve: “The performance was too slow when customers wanted to view the current position of their vehicles or analyse routes generated earlier in the day.” In addition, customers had seen the advent of Google and Bing mapping.

“Therefore, our customers felt features like aerial mapping would be useful. They also wanted to introduce polygon geofences as an improvement on circular ones, enabling them to better define the areas within which they search for addresses.” A research project was undertaken by the Development Team to find out how to integrate aerial mapping and polygons into the software via OpenLayers.

THE SOLUTION

Isotrak chose PTV xServers to optimise its software solution. PTV xServers are powerful modules which enable users to easily integrate geographical and logistical functions into their client-server architecture. Detailed NAVTEQ data ensures precise geocoding and map display as well as accurate routing & tracking. “The components contain many functions which we can use for our software. And we truly appreciate the partnership approach taken by the PTV team which will serve us well on projects going forward,” says Hannah.



Isotrak Ltd. was formed in 1999 to provide technical solutions for the logistics industry. This includes in-cab hardware and software for drivers, helping them to communicate with their transport teams and perform their work better. The software is used in transport departments to optimise processes and to measure key performance indicators against targets, saving money on key areas such as delivery time and fuel.

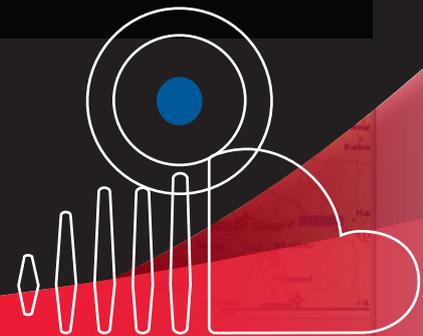
THE RESULT

Thanks to the PTV xServers Isotrak was able to not only solve the initial problems, including mapping, the provision of aerial mapping, enhanced geographic search and the integration of OpenLayers for map overlays, but also provide the new Route Sequence Planning functionality. It includes valuable information on vehicle profiles, dynamic vehicle rerouting, HGV-specific restrictions and Traffic Patterns.

Users of the software, both internal and external, got to grips with the software extremely quickly.

"PTV xServers have significantly enhanced the functionality of our products which is of course also to the benefit of our customers," outlines Hannah. "This toolbox will help us to provide exciting software innovations - now and in the future. We are very pleased with the added functionality which has already helped us win new business," he concludes.

Scheduling for service technicians and field service



PTV-Bezirksteil	Adresse	Zeitpunkt
Frankfurt am Main, Bräder Regensburg	4049 Regensburg, Hubertusstraße 22	10:09 2005
Klinik Dr. med. Siefert Regensburg	92052 Regensburg, Franz-Josef-Strauß-Allee 1	15:05 2005
Klinik am Ingolstadt, Ostfild	91049 Ingolstadt, Franz-Josef-Strauß-Allee 1	20:09 2005
Klinik am Ingolstadt, Ostfild	91049 Ingolstadt, Franz-Josef-Strauß-Allee 1	18:06 2005
Max-Planck-Institut Martensstr.	82152 Memmingen, Am Flughafen 22-24	09:39 2105
Klinik der Universität Regensburg	92003 Regensburg, Franz-Josef-Strauß-Allee 1	09:05 2105
Klinik der Universität Regensburg	92003 Regensburg, Franz-Josef-Strauß-Allee 1	09:05 2105
Klinik der Universität Regensburg	92003 Regensburg, Franz-Josef-Strauß-Allee 1	09:05 2105
Klinik der Universität Regensburg	92003 Regensburg, Franz-Josef-Strauß-Allee 1	09:05 2105
Klinik der Universität Regensburg	92003 Regensburg, Franz-Josef-Strauß-Allee 1	09:05 2105
USt. Inst. f. Mediz. Hygiene Regensburg	92003 Regensburg, Leobichler Straße 51	09:05 2105
USt. Inst. f. Mediz. Hygiene Regensburg	92003 Regensburg, Leobichler Straße 51	09:05 2105
USt. Inst. f. Mediz. Hygiene Regensburg	92003 Regensburg, Leobichler Straße 51	09:05 2105
ZNA, e.ink	92052 Regensburg, Leobichler Straße 22	10:09 2005
Dr. med. Siefert Regensburg	92047 Regensburg, Hansauer Straße 1	20:09 2005
ZNA, e.ink	92052 Regensburg, Franz-Josef-Strauß-Allee 1	18:06 2005
Anabelle-Klinik München	81950 München, Anabellestr. 5	01:05 2105
Klinik Ansbach	91052 Ansbach, Eschenstraße 1	09:39 2105
Klinik der Universität Regensburg	92052 Regensburg, Franz-Josef-Strauß-Allee 11	09:05 2105
Klinik rechts der Isar München	81675 München, Isaranger Straße 22	20:07
Evang. Fränkische Holzbrüder	32600 Holzbrücken, Förster Weg 14	21:02
Marx-Memorial Osnabrück	49074 Osnabrück, Johannisfreiheit 2 - 4	31:03
Klinik Dr. med. Siefert Regensburg	91049 Regensburg, Franz-Josef-Strauß-Allee 1	09:05
Klinik St. Marien Ansbach	91024 Ansbach, Marienbühlweg 7	01:05
Aktivitas OTHL, Leobichler Schwankhof	92042 Schwandorf, Leobichler Str.	07:05
Klinik Weiden	92627 Weiden, Schillerstraße 33	07:05
Klinik Pilsch	90766 Pilsch, Jakob-Meyer-Straße 1	07:05
Carlson Krankenhaus Regensburg	93053 Regensburg, Leobichler Straße 51	07:05
Klinik der Universität Regensburg	92052 Regensburg, Franz-Josef-Strauß-Allee 11	07:05



“The PTV xServers enabled us to implement new functions in our dispatch solution from the digital map to calculating driving times. Above all, our customers value the superb integration into the workflow.”

Matthias Stöcklein, project manager, mobileX AG

THE TASK

“We wish to provide optimum support for planners in their daily work” - is how the project manager, Matthias Stöcklein, describes the graphic control tool mobileX-Dispatch for service technicians and field service. Functions and usability of the solution are constantly being developed. A central module is made up of the geographic and logistic functions. “However developing our own complex map or routing functions is not realistic. This is why we went looking for ready-to-use components.”

THE SOLUTION

mobileX AG decided to use the PTV xServer, which implemented the following functions:

- Address geocoding: The PTV xLocate Server geocodes all addresses which are transferred from the backend system (e.g. SAP): customer addresses, location of technicians, technical locations etc.
- Digital maps: Geocoded addresses, trips and additional information is displayed on digital maps for the whole of Europe (PTV xMap Server).

- GPS tracing: Live display of technician locations on the integrated mobileX-Dispatch map (PTV xMap Server).
- Calculation of driving time: Realistic driving times for various vehicle profiles, as basis for the allocation of orders (PTV xRoute Server).



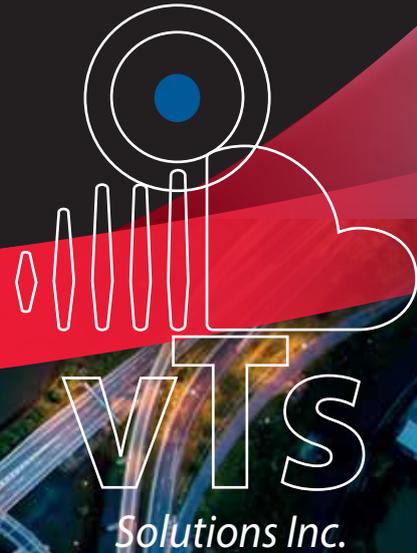
mobileX AG: The Munich software company specialises in Workforce Management solutions for an efficient field service. Amongst their customers are renowned names such as Melitta, Alfred Kärcher, Alcatel-Lucent Network Services or MVV Energie.

THE RESULT

"Of course, our customers find the map display very transparent", says Stöcklein. Icons and symbols remain selectable on the map, so the planner can even work directly within the map to move orders or service technicians. The calculation of

driving times and GPS tracing helps when allocating orders and planning trips. Stöcklein summarises: "Our customers are pleased about the embedded functions. And we are pleased that they are easy to integrate, thanks to the standard XML interfaces."

Precise Emissions Calculation with PTV xServer



About Hermes Transport Logistics



Hermes Transport Logistics (HTL) provides a broad range of logistics services - on land, water and in the air - to both national and international clients as a "one-stop shop".

No matter whether carrying out production deliveries, procurement or distribution transports or just-in-time solutions: HTL implements customized innovative transport logistics concepts across Europe regardless of the client's size or industry.

THE TASK

Hermes Transport Logistics GmbH (HTL) aims to reduce CO₂ emissions, to implement a "polluter pays" CO₂ calculation and provide a free CO₂ service for its clients.

HTL provides solutions with all four means of transport to both national and international clients. "Our business is based on four pillars: economic efficiency, innovation, sustainability and diversity. These are the strategic goals of our parent company, the Otto Group, and we are assessed on the basis of our achievement of these goals," says Christian Bartelheimer, Managing Director of International Road Transport at HTL. "Environmental protection is very important to us. We are committed to it on a daily basis and our processes, strategies and daily work are geared towards it."

In order to achieve these ambitious goals, the company decided to implement the PTV xServers.

THE SOLUTION

Since December 2010, HTL has conducted professional CO₂ calculations with PTV, thus reacting to the growing demand for ecological services from clients. The PTV X-SERVERS make up the backbone of the application. They provide a detailed calculation of the transport-specific CO₂ emissions in the HTL data warehouse.

HTL has to deliver some 4,000 orders a day with just under 2,000 vehicles. "In order to do this, we have a software system, which integrates the PTV

xRoute Server. This enables us to clearly simulate our transport times, the driving and rest times of drivers, which vehicles are currently in operation and the agreements that have been made with clients and much more," reports Jan Helbach, Head of Strategy & Controlling at HTL.

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Read more on xserver.ptvgroup.com

“The PTV xServers offer us various benefits in terms of cost effectiveness and tour planning. They also enable us to be the first logistics company to provide clients with monthly CO2 reports free-of-charge.”

Christian Bartelheimer, Managing Director of International Road Transport at Hermes Transport Logistics GmbH

THE RESULT

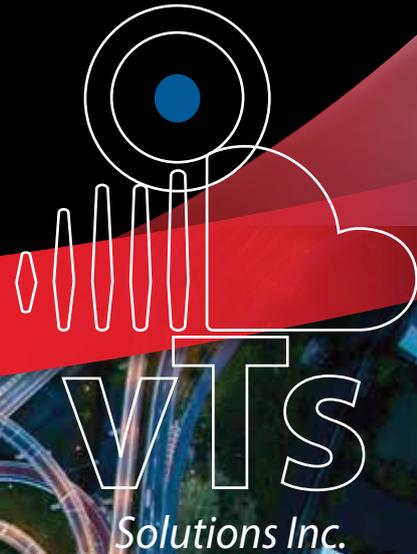
The CO2 calculation made by the PTV xRoute Server is an essential component of HTL’s measuring and optimization strategy. “We particularly like the PTV solution because it doesn’t work with average values, but with real data from the actual operation itself: the vehicle being used, its emissions class, the weight of its load, whether it is driving up or downhill - all these factors are included in the CO2 calculation,” explains Helbach.

The neutral values are important to HTL. These are guaranteed by route-specific emissions calculation on the basis of the Handbook for Emission Factors (HBEFA), the reference for the German Environmental Protection Agencies.

This calculation has been certified by TÜV SÜD since 2010. The clients receive monthly, detailed CO2 reporting. In addition, HTL specifies the current CO2 value on every invoice every day - a major challenge for a million transport orders a year.

“CO2 reporting is important for our customers. And their feedback has shown that they are very satisfied with this new service. Above all, the clients appreciate the high degree of detail. Emissions controlling will continue to play an important role at HTL in the future. And we believe that we can guarantee it across the entire transport chain - from import logistics through to distribution,” Bartelheimer is convinced.

Travelling Safely Thanks to PTV xServer



About CargoGuard



CargoGuard protects other firms' global supply chains across all multimodal interfaces and provides security solutions for almost all logistics tasks. Real-time monitoring of flows of goods reduces losses during transport, minimises the risk of theft and protects international transport chains from manipulation. The innovations and services of this leading provider are used in over 32 countries on every continent.

SECURITY IN LOGISTICS?

Those who often send valuable and sensitive goods to be transported are happy to take advantage of the services offered by CargoGuard from Munich. The security service provider protects other firms' global supply chain across all multimodal interfaces and provides security solutions to various industries.

"Imagine the value of a cargo of the latest electronic entertainment equipment, such as large LCD screens, tablets or games consoles. That goes easily into the six-figure euro bracket", explains Dag Neumeuer, Managing Director at CargoGuard. There are many options for protecting the cargo and organising the transport in line with regulations. For example, CargoGuard has a safety container with a patented bolt mechanism. This automatically records all the times that the container is opened or closed and protects the transported goods against unauthorised access. Fixed or fastened hidden tracking modules are used. These monitor, amongst other things, door contacts, motion detectors and light sensors, and control safety locks using a PIN code. "Lorries often resemble travelling safes", claims Neumeuer. For secure transportation in the pharmaceutical area, however, you need to keep an eye on the temperature using sensor technology.

An elementary aspect when protecting any cargo is how to plan and display the routes on a map.

MAP DISPLAY - ELEMENTARY FOR CARGO PROTECTION

"With the launch of our new web portal, we are making the most of the advantages offered to us by PTV xServer", Neumeuer points out. "We were looking for a solution that could plan routes in a professional way and was suitable for geofencing." Geofencing is the virtual "fencing" of an area or route. When the GPS signal of an object crosses this defined boundary, automated actions can be triggered.

"The fantastic thing was that the PTV Group, with its know-how, is more than able to keep up with the demands of freight transport", said Neumeuer. The PTV solution was also recognised for its easy integration into proprietary systems.

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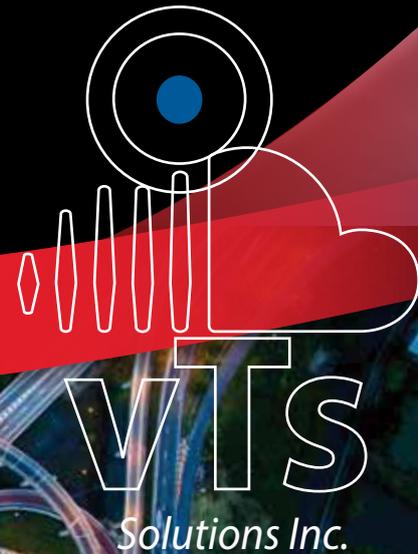
The interaction between CargoGuard products and services allows real-time monitoring of all goods flows. For this reason, it has always been very important for CargoGuard to be able to run the servers in its own - secure - data centre. The PTV xServer is the best fit for this, both in terms of the server components and the map material.

GUIDED NAVIGATION - THE FUTURE

“PTV meets our requirements!” concludes Neumeuer with satisfaction. „At present, the system has 500 units and over the course of the year we will be at least quadrupling this.”

The use of developer components at CargoGuard is still in its early days. Neumeuer already has his sights on further applications, for example, within guided navigation. This concerns a process by which the navigation device selects a secure route and does not guide merely by following the standard optimal route.

Logistics for the Transportation of New Vehicles



About STVA



Business :
transportation of new vehicles

Turnover:
EUR 355 million

Number of employees:
2,500

Area of use:
Europe

PTV Loxane solution:
PTV xServers

THE MISSION

STVA, a Geodis subsidiary, provides complete logistics solutions for the automobile industry. From dispatch from the factory up to delivery of the vehicles, STVA suggests logistics concepts adapted to its customers' needs as well a wide range of services, such as road or train transport or the preparation of automobiles for sale (aesthetically and/ or mechanically) or storage.

Represented all over Europe, STVA has a total of 2,500 employees. Thanks to their 835 trucks with car carriers, the branches specialized in road transport can carry out short- or long-distance transport jobs. In order to support its branches, STVA has decided to upgrade its software with the PTV xServer components.

THE SOLUTION

Initially, the branches of the road transport provider STVA had used software that was developed internally. Then Uniroute, one of the branches, asked if it was possible to include certain restrictions and customer information into the software (e. g. opening hours, unloading times, rest periods, et.c) in order to optimize trip planning.

After successful integration of the PTV xRoute Server component, STVA decided to deepen its collaboration with PTV and upgrade its software with another two components of PTV's range of products: PTV xLocate Server and PTV xMap Server.

These two components allow for more precise geocoding of pickup and delivery points and for the elimination of duplicate client records in a database with approx. 20,000 addresses.

"Our objective is to make the scheduler's task easier, give him a simple idea of the routes to be planned, so that he does not require special knowledge about the geography of France. We also want to improve our software's performance, especially when it comes to geocoding", explains Olivier FAVEAUX, DSI Project Manager.

ADVANTAGES OF PTV XSERVER

- No development of proprietary software tools
- Reliable standard technology
- Straightforward integration
- Extensive service and support
- Extensibility through modular design
- Scalability
- The latest maps and data
- Customised settings

Read more on xserver.ptvgroup.com

“The PTV xServer components allow us to optimize our own software and save our staff a lot of time and work.”

Olivier FAVEAUX, DSI Project Manager DSI at STVA

Across the Europe branches, 40 users deploy the PTV xServer components on a daily basis for scheduling and trip planning and between 20 and 25 users use the components for data reference.

THE RESULT

“With the PTV xRoute Server server and by integrating theoretical routes into the software, users experience a real gain in time. They no longer need to use an off-the-shelf navigation software and a logistics planning software.”, comments Olivier FAVEAUX.

The DSI Project Manager at STVA also sees a gain in productivity: “Thanks to the software, schedulers have a better overview of planning and the drivers’ working hours. We were also able to reduce the discrepancies between planned and actual distance by 10 to 15 per cent. The PTV xServers provide a precise basis for work and allow us to improve our daily cost-effectiveness through the analysis of our data.”

“The PTV xServers meet our needs and we wish to take business with PTV a step further”, adds Olivier FAVEAUX.

PTV MAP & MARKET

Strategic and functional geomangement

Field service planning

Location planning and regional optimization

Visualisation and analysis of company and market data

Detailed urban planning

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