We plan and optimize everything which moves people and goods worldwide. All integrated and in real time.

PTV Group
DEAR READERS,

We at PTV Group share a passion for shaping sustainable, future-proof mobility. The challenges to reach this vision are tremendous. The world is in constant motion and our societies are undergoing major changes. Real-time information, e-commerce and new forms of mobility influence our behaviour.

NEW TECHNOLOGICAL opportunities, innovations and ideas, even of smaller companies or enterprises from outside the transport sector, are shaking up the markets. New, customer-oriented services prevail.

We at PTV help give a glance into the future and significantly contribute to making transportation, logistics and traffic efficient and sustainable. We have been working successfully on this front for many years. Today, PTV technology made in Karlsruhe is deployed almost all over the world. When developing new solutions, our experts are always on the leading edge. Be it planning, implementation or forecasts – we support decision makers in taking the right decisions for the future.

Discover the mind of movement!

Sincerely,
Vincent Kobesen
CEO PTV Group
»As winner of the Global Market Leader Award and with technology made in Germany, we develop intelligent software solutions for planning and optimizing traffic and transport logistics.«

MICHEL ZWEERS AND VINCENT KOBESEN
CFO PTV Group, CEO PTV Group

TECHNOLOGICAL PROGRESS and social trends will fundamentally change mobility as we know it today. Planners and users of transportation are thus faced with great challenges.

Future-oriented people like to try out new and different types of services. Bike sharing is booming. Mobility apps inform users in real-time and across all modes of transport of their transport options. Every day goods are delivered to recipients’ doors. And autonomous vehicles are bound to open up even more new possibilities.

It is not easy for the industry or for cities and municipalities to set the course today for the various requirements of tomorrow.

This is where PTV Group can provide valuable assistance, with its software, consulting and research services. The wide range of our products and services of our worldwide operating company covers all facets of transport and transport logistics. PTV's innovative solutions help decision-makers rethink integrated mobility options and create them in a responsible and sustainable manner.

SHARED AND CONNECTED – AND WE ARE AT THE HEART OF IT ALL

PTV Group is committed to promoting a more efficient use of existing infrastructures based on innovative technologies, real-time information and intelligent transport policies. Road safety, shared economy and environmental protection are paid special attention to when it comes to infrastructure optimization. PTV has dedicated itself to these issues in order to enable sustainable mobility and transport solutions for a growing population on a finite planet.

For example, PTV software allows transport planners to take various aspects of road safety into account. Parameters like alternative and environmentally-friendly transport modes (e.g. public transport (PuT), transport by bike, electric vehicles and sharing systems) are included in traffic flow optimization. Moreover, PTV provides intermodal mobility concepts and develops intermodal traffic and transport solutions.

PTV Group produces valuable synergies as a result of its exceptional expertise in logistics and transport planning – a highly beneficial, unique trait you will not find in any other company worldwide.

The World is in motion. In 2050, the Earth will be populated by an estimated nine billion people, 70 percent of which will be urban.

PLANNING, OPTIMIZATION, MODELLING AND SIMULATION – ALL FROM A SINGLE SOURCE:

- Private transport
- Public transport
- Freight transport
- Pedestrians, cyclists
- E-vehicles
- Autonomous vehicles
- Freight traffic
- Transport and route networks
- Transport demand
- Traffic lights
- Environmental aspects

Individually, combined and integrated.
ALL FACETS OF TRANSPORT AND TRANSPORT LOGISTICS

How do we ensure that the world keeps moving? By looking at transport and logistics as a whole. This way we develop intelligent software solutions and integrated transport concepts.

OUR HEADQUARTERS, located in the heart of the Karlsruhe technology region, house our centre of development and innovation. From here, we have been taking the world market by storm since 1979. We have made ourselves a name as a successful B2B market vendor on growth track.

Our expertise in every facet of mobility is unique worldwide. We ensure that people and goods arrive at their destinations on time and safe and sound, whilst conserving resources and decreasing environmental impact. We are trusted by customers from over 120 countries worldwide. More than 2,500 cities deploy our products. Tours for over one million vehicles are planned with our software. The European transport model, which encompasses all passenger transport and freight movements in Europe, is developed using PTV software. We currently have around 650 colleagues worldwide committed to driving the high performance of our products.

Over the years, we have created a unique global network. Since its foundation as a spin-off of the KIT (Karlsruhe Institute of Technology), PTV has promoted exchange of knowledge, especially with the academic world.

AGILE THINKING AND WORKING

At our Karlsruhe headquarters we have invested heavily in the transformation of our working worlds and created structures that facilitate exchange of information. A central strand of our strategy is to encourage creativity and thus stimulate innovation and change.

WITH FLEXIBLE OPEN PLAN STRUCTURES we create room for manoeuvre which supports our way of working together. Centrepiece of the redesigned ground floor is our PTV Campus where people can meet, network and mingle with others. For meetings, there are new conference rooms in different sizes – for small groups up to major events.

Together with our employees, we are increasingly incorporating agility in our core organization which goes far beyond software development.

Traditional department structures have an overlay of cross-functional teams that develop and implement new products for our customers in a largely self-organized and very customer-centric way.

With the added benefit of enabling direct communications, we can now learn from each other and respond to changes in dynamic markets even more quickly and effectively. Our open-plan office space reflects and supports the use of agile methods and the internal transfer of knowledge - which fits perfectly into our philosophy!
THE MOBILITY CIRCLE - SOFTWARE IS THE KEY

1 SHAPING THE SYSTEM
- Urban planning / Land use planning
- Urban logistics
- Scenario simulation for Smart Cities
- Network modelling / simulation
- Cargo modelling & simulation

FOR A SMART & LIVEABLE CITY!

2 DELIVERING MOBILITY
- Distribution planning
- Route optimization
- Multimodal planning
- Public transport planning
- Simulation of driver behaviour
- Traffic management in real time

FOR SEAMLESS TRANSPORTATION!

3 MOVEMENT OF PEOPLE AND GOODS
- Traffic forecast in real time
- Route and trip optimization
- Navigation
- Route planning in real time
- Adaptive signal control and driver information

FOR EFFICIENT TRANSPORT!

4 TAKING CARE OF THE ENVIRONMENT
- Data analysis
- Calculation of pollutant emission
- Analysis of black spots
- Driving and rest periods
- Simulation guidelines / environmental KPIs

FOR A BETTER PLANET!

CHALLENGES AND TRENDS
- Urban logistics
- Electromobility
- Autonomous driving
- Shared economy
- Cycling & walking
- Multimodal transport and traffic
- Public transport
- Analysis of mass data
- New mobility services
WE DIGITIZE AND OPTIMIZE MOBILITY

1 SHAPING THE SYSTEM
PTV software assists decision makers in creating liveable cities. Preventing congestion and reducing environmental impacts are criteria for quality of life and economic viability. To this end, it is essential to provide appropriate mobility infrastructure and use it as efficiently as possible. Here, it is easier to invest in new technologies for higher operation efficiency than to implement lengthy construction measures. PTV is also a strong partner in the field of infrastructure planning (e.g. for the development of public transport networks or cycle routes).

2 DELIVERING MOBILITY
PTV Group supports all mobility service providers and takes account of all means of transport, which can be viewed individually or as an integrated whole. We optimize distribution logistics and plan, simulate and analyse new mobility services. This includes innovative Shared Economy concepts, such as bicycle sharing and the evaluation of new types of mobility (e.g. autonomous driving). PTV has gathered an unique pool of data through decades of experience in the field of traffic and transport planning as well as transport logistics.

3 MOVEMENT OF PEOPLE AND GOODS
People and goods want to use adequate structures and services in order to reach their destination as efficiently, quickly and safely as possible. For this purpose, we provide real time management and information systems and apps which support operations in this field – from route and trip planning, traffic and arrival prediction to traffic-adaptive signal control and traffic management.

4 TAKING CARE OF THE ENVIRONMENT
About 1.25 million people die each year as a result of road traffic crashes. Traffic and transport account for almost a quarter of CO₂ emissions worldwide. We are here to change that. For more than 36 years we have been contributing our expertise and experience to creating traffic and transport logistics in a sustainable, safe and future-oriented manner. With our software, we help reduce pollutant emissions. We develop environmental concepts and support road safety.

OUR SOFTWARE PRODUCTS

PTV Visum
Strategic traffic & transport planning

PTV Vissim
Multimodal traffic simulation & traffic engineering

PTV Viswalk
Pedestrian simulation

PTV Vistad/Euska
Road safety, accident analysis

PTV Vistro
Traffic analysis & signal optimization

PTV Optima
Real-time traffic management, traffic forecasts

PTV Balance
Traffic-adaptive control system

PTV Epics
Traffic-adaptive signal control

PTV Map&Guide
Transport route optimization

PTV Drive&Arrive
Real-time information on time of arrival

PTV Smartour
Trip planning & transport optimization

PTV Map&Market
Field force optimization, territory & location planning

PTV Navigator
Navigation and routing

PTV xServer
Embeddable software components

INDUSTRIES AND TARGET GROUPS

Industry and Trade
Public Transport
System Integrators

Public Bodies
Transport Logistics

Education and Research
Consultants
Organizations
AUTONOMOUS DRIVING
FOR TRADE, INDUSTRY AND SERVICE PROVIDERS: Whether you need to move small or large quantities or supply your customers on a daily or hourly basis, PTV can assist you with strategic and tactical planning, expedite delivery times and help you save resources and costs.

FOR URBAN PLANNERS: PTV software allows you to simulate and analyse concepts in order to identify promising solutions for urban commercial transport. It helps you find the best way to implement political objectives and shows you which of your strategies harmonize with private transport.

FOR THE FUTURE: Sustainable strategies are being explored. For example, for the optimal mix of delivery vehicles consisting of self-propelled, conventional, e-mobile or hybrid vehicles and new business models such as Last Mile Logistics, trunk sharing or crowd delivery.

Industry and trade, catering, construction, waste management and logistics service providers – they are all part of urban logistics. Cities want to be attractive to both business and residents. And resident consumers want to have their orders delivered punctually without being pestered by noise, traffic congestion and pollution.

READY FOR THE FUTURE
Autonomous vehicles, e-mobility, Car2X communication, sharing models – these developments will have a huge impact on our mobility and cities of the future. We provide automakers and city planners around the globe with software developed for the mobility of tomorrow.

CAR, EXIT GARAGE! The development of autonomous vehicles is costly and time-consuming – particularly the testing of vehicles in real traffic. PTV Vissim can test vehicles for virtually every imaginable scenario, including the interaction of all road users.

OPPORTUNITIES FOR CITIES: New technologies and developments hold many opportunities to make our cities more attractive. To identify them, transport and city planners need to simulate future scenarios. What will happen if more and more people give up their cars?

Will delivery traffic increase? Will we need fewer parking spaces? What will happen if some vehicles drive autonomously, but others are still controlled by drivers?

PTV’s software for traffic planning and simulation helps cities take advantage, in time, of the new opportunities presenting themselves. They can analyse complex scenarios and their impact on traffic and evaluate the economic benefits in order to implement the most appropriate strategies.

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MATTHIAS HORMUTH
Director Solution Management Logistics

»Urban Logistics – the movement of goods and services in urban areas and their interaction with the infrastructure and other road users is a highly complex issue that we want to shape together with other actors. We support all market players to reconcile transport policy and logistics with urban interests.«

DR. THOMAS BENZ
Solution Director Automotive

»In about 10 years autonomous vehicles will be a part of daily life. With our software, automakers and city planners can test the impact of autonomous vehicles on traffic and examine the influence of car and ride sharing.«
New digitized mobility models, such as the shared mobility concept, are taking the market by storm. We are on the threshold of a revolution that will not only change the transport of goods and people. It will change our way of thinking.

The “Internet of movement”, a new way of dealing with the environment and global urbanization, has boosted the demand for multimodal mobility. The core business of PTV Group includes the planning and optimization of continuously enhanced transport systems – both offline and in real time.

We cooperate with cities and municipalities all over the world to analyse and evaluate the impact of these approaches and behaviours on traffic.

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New concepts that break up the conventional structures of public transport systems are already being established today. Services such as car sharing and carpooling portals have become integral parts of our urban environment and affect the mobility behaviour of society as a whole.

Even though the transport infrastructure is being developed further, we still have to deal with issues concerning its accessibility and availability. We need to focus on fair mobility distribution, so that mobility will not become a luxury good.

Real-time information has also become a highly important resource. Passengers rely on real-time timetable information, which helps provide a positive travel experience.

Public transport, as an attractive and comfortable mobility system, actively and positively contributes to sustainability.

PTV’s software solutions allow operators to link real-time timetable data, transport network infrastructure and capacity utilization. This helps strengthen and secure the role and importance of public transport in our cities of the future.

Even cities that already have a well-functioning public transport system should keep an eye on trends such as shared mobility, real-time data or autonomous driving. Passengers will always expect improved standards and operators have to meet new requirements early on.

PTV supports public transport companies and associations in creating efficient, future-oriented transport systems.

«New, digital mobility concepts are becoming increasingly popular and accepted. Our software contributes to creating an efficient and sustainable environment. For instance, when decision-makers get to see a simulation of the entire city, they recognize the potential of new concepts of mobility and their impact on our daily lives.»

KOENRAAD VERDUYN
Director Solution Management Traffic

«Even cities that already have a well-functioning public transport system should keep an eye on trends such as shared mobility, real-time data or autonomous driving. Passengers will always expect improved standards and operators have to meet new requirements early on. PTV supports public transport companies and associations in creating efficient, future-oriented transport systems.»

PAULO HUMANES
Director Business Development
SHAPING THE FUTURE OF INTELLIGENT MOBILITY - WITH DATA

We search for data and create customer-specific data bundles. Our service portfolio ranges from precise route planning for transport logistics solutions, traffic management, trip planning and telematics solutions to the design and implementation of mobility portals and sophisticated navigation solutions.

PTV PROCESSES DATA provided by leading international suppliers. The result: consistent, highly detailed maps including seamless routing for all countries, additional content, such as feature layer or aerial and satellite imagery, special traffic data analyses or simply the right spatial data set. Alternatively, there are solutions for the integration of maps into existing applications.

Using the right data allows us to look to the future with optimism: The new “Truck Waiting Times” service, for example, visualizes the average waiting time at toll booths. Later, at borders or ferry terminals, it may also help calculate more precise arrival times for future trips.

Our customers benefit from the synergies between the fields of traffic, transport and logistics. The data collected by PTV can also be used for different O-D traffic issues with regard to transport planning and traffic prediction.

»We have been in the data business for decades. Significant added value is created by aggregating and integrating different types of data in connection with software products and solutions.«

CARMEN NOWACK
Chief Product Manager Data & Content

MOBILE SOLUTIONS FOR A MOBILE WORLD

Real-time traffic data, free parking, mobility services offered by public transport and shared service providers and maps – all of this information and data is included, bundled and connected in PTV’s solutions for intelligent mobility. Based on new services and apps, these solutions are now becoming truly mobile – just like the people who use them.

TRUCK PARKING EUROPE: Where can I park my truck tonight? Is it safe there? Is the parking facility along my route? With the Truck Parking Europe App we help more than 250,000 users to find truck parking spaces throughout Europe. The app is based on intelligent routing developed by PTV and a database with more than 400,000 parking options that are constantly updated by the trucker community.

APPS FOR ANY CITY: A custom app which bundles all the information about a city - that is PTV’s City App. It integrates information on events, attractions, traffic and mobility services. But that’s not all: multimodal navigation for cars, public transport, bicycles and pedestrians can also be included. This makes it the perfect travel companion for citizens, tourists and business travellers alike. One example of this is the ka mobile app for the City of Karlsruhe that was implemented by PTV.

»Our mobile solutions and apps allow service providers and users to create their own personal, intelligent mobility solution that is based on rich data as well as software components and expertise provided by PTV.«

NIELS DE ZWAAN
Managing Director, PTV Truck Parking B.V.
For the development of a European-wide transport model, the European Commission has opted for PTV Visum – the world’s leading software for transport analysis, traffic forecasts and GIS-based data management.

**EUROPEAN-WIDE MODEL WITH PTV VISUM**

The entire freight and passenger transport across Europe will be visualised in a comprehensive multimodal transport model that is based on our PTV Visum software.

The aim is to monitor the performance of the European transport networks and to keep them moving. On behalf of the EU Commission, the TRIMODE consortium, which consists of eight partners from four European countries, develops in close cooperation with the other stakeholders the TRIMODE model of the European transport network. PTV Visum consistently models not only all road users and their interactions, but it also provides forecasts that cover a time horizon up to 2050. In addition to PTV Visum, PTV’s Projectmanagement & Services will be in charge of key tasks with regard to model development.

With PTV Visum as its pivotal element the TRIMODE model is intended to become a robust, fully operational and integrated modelling system. The generated output serves as a sound basis for decision-making regarding strategic planning issues and assessment of policies, so that infrastructure can be adjusted in a targeted manner. The model not only takes into account economic factors that generate transport demand, but also the impact of transport on energy supply and the environment.

The TRIMODE model of the European transport network. PTV Visum consistently models not only all road users and their interactions, but it also provides forecasts that cover a time horizon up to 2050. In addition to PTV Visum, PTV’s Projectmanagement & Services will be in charge of key tasks with regard to model development.

**OUR PRODUCT:**

**Transport modelling**

**ADVANCED TRAFFIC CONTROL IN GREATER VIENNA**

In Vienna, Lower Austria and Burgenland, the current traffic situation is calculated by ITS Vienna Region, the joint traffic telematics project of the three Austrian states. For this task, ITS Vienna Region has chosen PTV Optima – a solution that automatically processes all data available in order to provide reliable forecasts on the traffic volume for the next 60 minutes.

**OUR PRODUCT:**

**PTV OPTIMA**

**Real-time traffic management**

To ensure an efficient and citizen-friendly environment, transport officials of cities and local communities have always an eye on the traffic conditions. Therefore, there is a great demand for real-time solutions. They provide not only information on current and future traffic conditions, but also on the best route.

Moreover, real-time data supports the decision-making process in the field of traffic control. When it comes to precise information, ITS Vienna Region relies on PTV Optima – PTV’s solution for traffic control in real time. The software combines tried-and-tested offline traffic modelling with the real-time data provided (floating car data and loop data counts) and algorithms. The solution takes unforeseen incidents and planned disruptions, such as roadworks, into account when calculating the traffic volume.
Chronopost International, a member of DPD Group, is the leading provider of parcel and express delivery services in France. To expand its market leadership and to set new service standards, Chronopost relies on PTV solutions. Their software components calculate the best routes to ensure reliable, fast and punctual delivery.

France’s number one parcel and express delivery specialist has found PTV xServers to be a smart solution. PTV’s software components can calculate realistic delivery times and sequences and optimize them in a matter of seconds. They also take into account restraints such as traffic calming zones and other specific characteristics that are particular to urban areas, including the so-called “last mile” delivery. The solution was implemented in 75 branch offices. The result: Chronopost has significantly improved its service quality, leading to higher levels of customer satisfaction. The booked time slots are much better respected. More parcels are delivered at the first attempt. And there are significant savings in terms of kilometres travelled – a continuous investment in Chronopost’s promise to act in a sustainable and environmentally friendly manner.

Charms Fathallah, Transport IT Manager, is impressed by PTV’s xServers: “PTV has met all our expectations. It is great to use a tool that delivers reliable results and contributes significantly to our high level of customer satisfaction and loyalty.”

There is demand on every continent: Robert Bosch GmbH wants to use its sales resources as efficiently as possible - and do so systematically across all countries by leveraging the PTV Group’s expertise and a single software: PTV’s geomarketing solution has been ensuring that thousands of sales representatives in Europe, Asia, the USA, and even small-scale electric distribution in Australia work efficiently on a global basis for many years.

Robert Bosch GmbH offers an extremely broad range of services. Sales teams of up to 200 employees sell its products and applications in the areas of power tools, home appliances, heating systems, automotive aftermarket as part of its B2C business, as well as products and applications in its industrial B2B business on all continents. Nevertheless, every sales office has different priorities. The needs range from classical nationwide sales to key account management. The goal is therefore to strategically put all of this under one roof. Frank Steiler, globally responsible for internal consulting in the area of sales and marketing, uses PTV Map&Market for this purpose and occasionally even travels to a sales representative’s sales area for two days to do research. The regional companies receive a strategic tool from his team that helps them to improve their structures or analyse changes in the organization. For example, various sales units have been optimized in terms of their structures and processes within the past five years in more than 50 different projects. “With the geomanagement software from PTV, we use our sales resources as efficiently as possible worldwide,” says Steiler. “And we are not even using all of the features of the program yet. We identify potential demand early on, divide up regions more wisely and receive a better buy-in thanks to the systematic nature of the software. And our sales representatives readily accept the assignments optimized by the software,” he concludes.
North America is a major growth market and of significant importance to PTV Group. To actively promote our expansion plans in this region, we will be strengthening our local presence, offering expert knowledge on the entire range of PTV products.

WE HAVE BEEN OPERATING in the US market for more than 20 years. In addition to our office in Portland on the West Coast, which focuses on traffic and transport planning, we opened a second office in Arlington, on the East Coast, near Washington D.C., in 2015. Moreover, we have strengthened our management team. It was particularly important for us to take on experienced and competent individuals:

As President of PTV America, Barry J. Glick is now in charge of the company’s business activities in the US. At the same time, he is responsible for sales of PTV's logistics products in this region. He brings more than 30 years of market experience and leadership to the PTV America team, including extensive expertise in mobility, map processing, routing and logistics. Steve Perone who was in charge of PTV's Traffic operations in the US over a period of six years, has assumed the new role of VP Professional Services & Operations for the entire range of Traffic and Logistics products. Third of the trio is Shaleen Srivastava who joined PTV America in 2015. As VP Sales & Marketing, he is responsible for the distribution of Traffic products in the US. With his expertise from a former managerial position at Jacobs Engineering, he will continue to expand the Traffic business in this region.

This new constellation allows us to strengthen our market position in the US and Canada, focussing on both existing and new markets such as the automotive sector. The aim is to increase our awareness as an innovative solution provider for Traffic and Logistics software and to continue to pursue our growth strategy.

Mobility, transport and logistics are crucial to markets offering tremendous growth opportunities like Asia. However, innovative mobility solutions are required to create urban growth scenarios and liveable cities striking a new balance between economic growth, resource use and environmental impact.

EXCELLENT OPPORTUNITIES
IN ASIA

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His colleague, Joost Bekaer, has successfully established PTV’s Logistics Software business with a head office in Sydney. His focus is on transport logistics optimization.

Moreover, we have gained a good foothold on the Japanese market under the management of Yoshihiko Hashino. Here, we could secure contracts with the local automotive industry. PTV software is now also used for the planning of major events.

Overall, the entire region is an important part of our growth strategy. Our aim is to score not only with our proven traffic planning tools, but also with our logistics software products by entering new markets and winning new customers. Here, our first China map prepared in 2016 will open up new ways of optimizing logistical processes.
A BRIEF EXCERPT FROM OUR CUSTOMER LIST

TRAFFIC SOFTWARE
- ARGUS City and Transport Planning
- Atkins
- ATM Autoritat del Transport Metropolità
- Beijing Transportation Research Center
- Berliner Verkehrsbtetriebe (BVG)
- COWI A/S
- DB Network Mobility Logistics
- DLR - Transport Research Institute
- Dr. Brenner Ingenieuresgesellschaft mbH
- Metro de Madrid, S.A.
- Metro de Medellín
- Metroul S.A.
- Mott Mac Donald Group Ltd.
- ÖBB-Personenverkehr AG
- SBV AG
- Siemens AG
- City of Catania
- City of Lublin
- City of Moscow
- City of Vienna
- City of Zurich
- Széchenyi István Egyetem
  (Széchenyi István University)
- TEAM International S.à.r.l.
- Technical University of Munich
- TPS Transport Planning Service
- Trafiikstyrelsen - Danish Transport Authority
- Transport for London
- TRANSYT Transport Research Center
- Ulaanbaatar City Traffic Control Center
- University of Stuttgart - Institute for Road and Transport Science
- Association Stuttgart Region
- Vialis BV
- WSP Global Inc.

LOGISTICS SOFTWARE
- Air Liquide
- Andsoft Europe SARL
- Arcese Spa
- Artoni Transporti Spa
- Bakker Logistiek B.V.
- Brewery C.& A. Veltins GmbH & Co. KG
- BMW AG
- DACHSER GmbH & Co. KG
- Ferocam Spa
- H. Essers en Zonen Internationaal Transport
- Hellmann Worldwide Logistics GmbH & Co. KG
- Hermes Europe GmbH
- LA POSTE
- Indesit Company Spa
- Isotrak Ltd.
- KRATZER AUTOMATION KG
- Logista Italia Spa
- Matrix Telematics Ltd.
- Meyer Transporte GmbH
- Microise Ltd.
- NORBERT DENTRESSANGLE
- Papyrus AB
- Poste Italiane Spa
- REWE markt GmbH
- Royal Automobile Club RAC
- Schachermayer-Grosshandelsgesellschaft m.b.H
- Texa Spa
- The Lorenz Bahlson Snack-World GmbH & Co. KG
- TNT Express
- Transics
- Trans-o-flex Logistics Group
- Trimble
- Unilever Deutschland Holding GmbH
- WARBSTEINER Brauerei Haus Cramer KG
- Zott SE & CO. KG

OUR LOCATIONS

PTV Headquarters Germany Karlsruhe (DE)
PTV North America Portland (OR, US)
PTV América Latina Mexico City (MX)
PTV North America Washington D.C. (US)
PTV Brasil São Paulo (BR)
PTV UK Birmingham (GB)
PTV Loxane France Logistics Paris-Cergy (FR)
PTV France Traffic Strasbourg & Lyon (FR)
PTV Benelux Utrecht (NL) (leper BE)
PTV Nordics Gothenburg (SWE)
PTV Austria Vienna (AT)
PTV Italia Perugia & Bologna (IT)
PTV Sistema Rome (IT)
PTV Middle East Dubai (AE)
PTV Asia Pacific Hong Kong (HK)
PTV Asia Pacific Singapore (SG)
PTV China Shanghai (CN)
PTV Japan Tokyo (JP)
PTV Asia Pacific Sydney (AU)
PTV Africa Cape Town (ZA)
PTV Russia Moscow (RU) - in preparation
PTV Group has experienced excellent growth. We are on the right course for success – internationally, economically and product-wise!«

PTV’s Management team (l.t.r.)

FRÉDÉRIC REUTENAUER
VP Project Management & Services

FRANK FELTEN
VP Product Management & Software Development

CONSTANTIN LUTZ
VP Sales & Marketing Logistics

MILLER CROCKART
VP Sales & Marketing Traffic

THOMAS LOEST
VP Business Development & Corporate Marketing

VINCENT KOBESEN
President / CEO

MICHEL ZWEERS
CFO

PTV ON GROWTH COURSE

With software and consulting services for the planning and optimization of traffic and transport logistics, PTV Group is a very successful B2A/B2B provider. The market and future prospects are very positive.

PTV FACTS

OUR BUSINESS DEVELOPMENT is characterized by steady technological progress with ever-new possibilities. Starting from when the company was established in 1979, we have pursued the goal of better planning and optimizing traffic tasks with innovative software solutions. Approximately four decades later, we have achieved revenue of more than EUR 100 million with customers in more than 120 countries. A majority of this turnover (approx. 85%) is earned from the sale of standard software; Transport Consulting contributes the other 15%.

The software market continues to develop. Topics and technologies for traffic and logistics continue to grow closer together.

Cloud and real-time solutions are conquering the markets.

In 2016, we recorded a revenue distribution of 50% logistics software and 35% traffic software – of this, approx. 5% with real-time solutions. In the coming years, we anticipate doubling our revenue with a share of real-time solutions that is four times as high.

At the same time, recurring licence fees will also remain an important revenue basis for PTV. With the expansion of our worldwide service offerings to include 24/7 support and services, we will continue to successfully expand our standard business.
The PTV Group moves in an extremely exciting and attractive market environment and with its solutions it can contribute to helping Smart Cities become reality in the near future. Precisely here, attractive mobility services play an important role for the entire spectrum of traffic and logistics. As various market studies have shown, growth potential for all market participants is enormous. New possibilities will also arise from megatrends like digitalization and the expansion of Software as a Service (Saas).

### Software for Traffic and Logistics Helps Overcome Global Challenges

**Traffic management market growth up to 2020**
- **2015:** 4.1 Billion USD
- **2020:** 17.6 Billion USD
- **CAGR:** 33.8%

**Digital logistics market growth up to 2020**
- **2015:** 8.8 Billion USD
- **2020:** 13.0 Billion USD
- **CAGR:** 8.1%

**Smart transportation – market overview 2020**
- **2015:** 46.7 Billion USD
- **2020:** 138.8 Billion USD

**SaaS is expected to be a big opportunity**
- **2015:** 32.0 Billion USD
- **2020:** 62.0 Billion USD

Source: Gartner 2015, Marketsandmarkets
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