

## Press Release

### German transportation planning is export hit

#### PTV's transportation masterplan for Qatar forms the basis for Deutsche Bahn's major project

Karlsruhe, 07/12/09. A country with a population of over one million people without public bus and rail transport? This is beyond our imagination, but is - still - reality in the desert state of Qatar. Both population and economy are growing fast there, and so too is the demand on public transport. They have no expertise on how an integrated transportation concept for local and long-distance transportation can be created. This is why the Qatari government is relying on experts from Germany. PTV Planung Transport Verkehr AG from Karlsruhe is on the team. They are responsible for creating the strategic concept for future transportation as a so-called transportation masterplan for Qatar.

Tom Schwerdtfeger, Member of the Board of Directors at PTV AG, is pleased: "Together with the Deutsche Bahn we have been able to export our German expertise on long-term transportation solutions to Qatar." This is a major success for the German economy. We are certain that this fruitful cooperation will continue. For example in the planning and design of the railway stations which are still to be built. With our offices in Doha and Dubai we are in the best position for further projects in the Middle East."

The challenge lies in the very dynamic development and motorisation of the population in the region, which requires a flexible and extremely strong transportation system.

The Urban Planning and Development Authority placed the order with PTV to develop the basis for an integrated transportation system from 2006 to 2008. This included not only the forecast of economic development and population growth, but also the design of a traffic model to estimate the effects of strategies and measures as well as the planning of transportation networks in road, public and rail transportation.

As part of the masterplan, the transportation experts from Karlsruhe developed an underground railway network for the capital city, Doha. After completion, the network is planned to consist of six tube lines running

underground through the centre of the city. A fundamental part of the plan is a regional public rail transportation system. The railway lines link the developmental focal points along the east coast: airport, Doha city centre, west bay and the towns along the coast. It also creates synergies for transporting from the gas focal point Ras Laffan in the north and the processing refineries in the south of the country.

Together with the engineering office Vössing from Düsseldorf, PTV also worked on the rail connection for the new international airport in Doha. A high-speed rail line is planned there. It will run from the airport to the city centre and over the Friendship Bridge to Bahrain. And in the future, the transportation of goods between Qatar and the border crossing to Saudi Arabia will be performed by the Doha-Express rail.

This network planning with navigation of underground and rail lines, the location of the stations and the connection points formed the basis of work for Deutsche Bahn, whose "daughter company" DB International helped PTV to finalise and develop the plans.

These challenging tasks were made possible, were detailed and displayed in pictures using the software PTV Vision and its modules VISUM for transportation planning and modelling and VISSEM for traffic demand modelling. Qatar can now use these planning results to make the right decisions together with Deutsche Bahn on developing the regional and long-distance transportation network.

3,682 characters (including blanks). Author's copy kindly requested.

**Background information:**

Client: Transportmasterplan Qatar (TMPQ): Urban Planning and Development Authority (UPDA) Qatar

Order volume: Ca. 3 Mio. Euro

Contractor: PTV Planung Transport Verkehr AG together with DBI

Deutsche Bahn International (DBI, formerly DB Consult): Consulting, Management and Planning – complex services for infrastructure and transportation, from project development to acceptance/operation and management.

Ing.-Büro Dipl.-Ing. H. Vössing GmbH: The engineering office Vössing has been active in the field of planning and project management for transportation projects for 20 years.

PTV AG – Business field Transport Consulting

The business field PTV Transport Consulting provides a wide range of consulting services with the aim to develop solutions for long-term planning and optimisation as well as daily operation and control of all transportation systems.

PTV supports public authorities, public transport operators, traffic infrastructure providers and an increasing number of private investors and business customers. The aim is to share and

apply our knowledge and expertise in the field of traffic and transportation covering all transport modes. This reaches from the development of strategic concepts for traffic systems (master plans) and transport operations (traffic management - intelligent transport systems) to single intersection planning, public transport line planning and risk analysis for tunnels. These tasks can be combined with economic analyses and evaluations, if required.

**Images:**

Download at: <http://www.ptv.de/unternehmen/news/presse/bilder> tab Traffic



Excerpt from PTV's transport masterplan for Qatar: Suggestion for the national road and rail-linked network for public transportation



Section of the underground lines suggested by PTV for the city of Doha taken from the final report for the Traffic Masterplan for Qatar

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**PTV Planung Transport Verkehr AG**

The PTV Group provides cutting-edge software technology and consulting to enable customers to meet their mobility needs. It helps people plan and manage traffic and transportation, provides them with the latest traffic reports and assists them in optimising their long-term resource allocation. Since 1979, our independent corporate group has been a leading provider of products and solutions for travel, traffic and transportation planning.

Strong international demand has fuelled dynamic growth: We currently have over 700 employees worldwide crafting innovative solutions for our customers. Our Karlsruhe headquarters acts as a development and innovation centre with tight links to research and educational institutions. We additionally maintain shareholdings and subsidiaries in Germany, Europe and every continent in the world.

In the Traffic Software, Transport Consulting and Logistics Software business fields, PTV technology forms the foundation of a host of brand-name products and our own leading map&guide and PTV Vision product lines.

PTV The transportation experts.