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**A solution for Porsche:**  
High-octane extranet for the automotive industry.



ENX® (European Network Exchange) Solution is a platform for the European automotive industry that provides all participating organizations with reliable, rapid data communications in conjunction with low administrative overhead.

**ENX® – seamless and secure exchange of information between car manufacturers, component suppliers, design/engineering companies, and dealerships.**

**The customer.** Porsche-Informationen-Kommunikations-Services GmbH (PIKS) is responsible for information and communications technologies at sports-car manufacturer Porsche. PIKS is a wholly owned subsidiary of the automaker and was founded in 1993. It oversees a variety of systems, including computer-aided design (CAD) and computer-aided manufacturing (CAM) applications.



PIKS is also tasked with the deployment and management of local computer networks and of the infrastructure for data communications between production plants, subsidiaries, and offices within Porsche, and between Porsche and its many suppliers and service providers.

**The challenge.** Porsche is synonymous with innovation, engineering excellence, and exceptional brand appeal. To maintain Porsche's outstanding reputation at all levels, state-of-the-art telecommunications and information systems are essential.

The rapid and reliable exchange of data both within the Porsche group and with its business partners is vital to the further development of the company and its products. This calls for a highly effective communications infrastructure – one which allows effective coordination and management of highly complex, highly flexible development, design and production processes.

In other words, high-speed data communications is one of the engines driving the growth of the Porsche group. Against this background, PIKS has a clear mission: to establish and enhance Porsche's communications infrastructure. A key aim was to enable virtual design teams to cooperate around the globe, permitting them to contribute to projects without duplication of effort or human or technical resources being underutilized.

This meant linking the various information systems and networks operated at all Porsche sites. However, PIKS did want to develop a suitable platform from scratch. It was looking for a standard solution which it could then tailor to its own particular needs. After considering a number of options, the experts at PIKS opted for ENX® Solution.

**System requirements.** Naturally, it was vital not simply to network systems within the Porsche group but also to support efficient data interchange with outside suppliers and other partners. ENX® Solution fulfilled this and

other important criteria. These included security, reliability and scalability. As the solution supports diverse access methods and service levels, it can be geared to the needs of each individual supplier and business partner.

**The T-Systems solution.** T-Systems, a division of Deutsche Telekom, implemented ENX® Solution on Porsche's behalf. ENX® Solution gives the car manufacturer guaranteed high bandwidth, accelerating the exchange of information both within the group and with external partners and suppliers. For both development and manufacturing processes, the need for transmission capacity is high and will continue to grow. ENX® Solution was initiated by the Association of the German Automotive Industry (VDA). The VDA is also responsible for registering and authorizing the companies entitled to participate.

Deutsche Telekom is the first ENX® Solution provider to be officially certified by the VDA, underlining the automotive industry's faith in the company's expertise and resources. Following its successful launch in Germany, ENX® Solution is now being expanded to other European countries. In the longer term, plans exist to combine it with similar networks operated, for example, in the USA and in Japan, to create a global data transmission platform.

**Customer benefits.** By enabling the exchange of information with external engineers, designers, and other partners, ENX® Solution has already helped to speed up development processes – and further improvements in efficiency can be expected in the future. This has allowed Porsche to streamline the entire value chain, including all key suppliers, subcontractors, and service providers.

The platform has also raised the transparency of production processes, permitting Porsche to identify potential problems at an early stage, and to take immediate action. A further important aspect is security: ENX® Solution represents a quantum leap forward in terms of the confidential communications and legally binding transactions.

**At a glance:**

- ENX® Solution – an extranet for the automotive industry
- ENX® Solution platform is based on Internet technology (IP) for flexibility
- Supports reliable, secure data exchange
- High availability and high data throughput
- Access methods and service levels tailored to individual needs
- ENX® Solution packages available for broadband communications, variable from 64 Kbit/s to 2 Mbit/s
- ENX® Solution Light package designed for occasional or mobile users

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