




PEOPLE · EXCELLENCE ·

INNOVATION · GROWTH

A Strong Platform in Germany

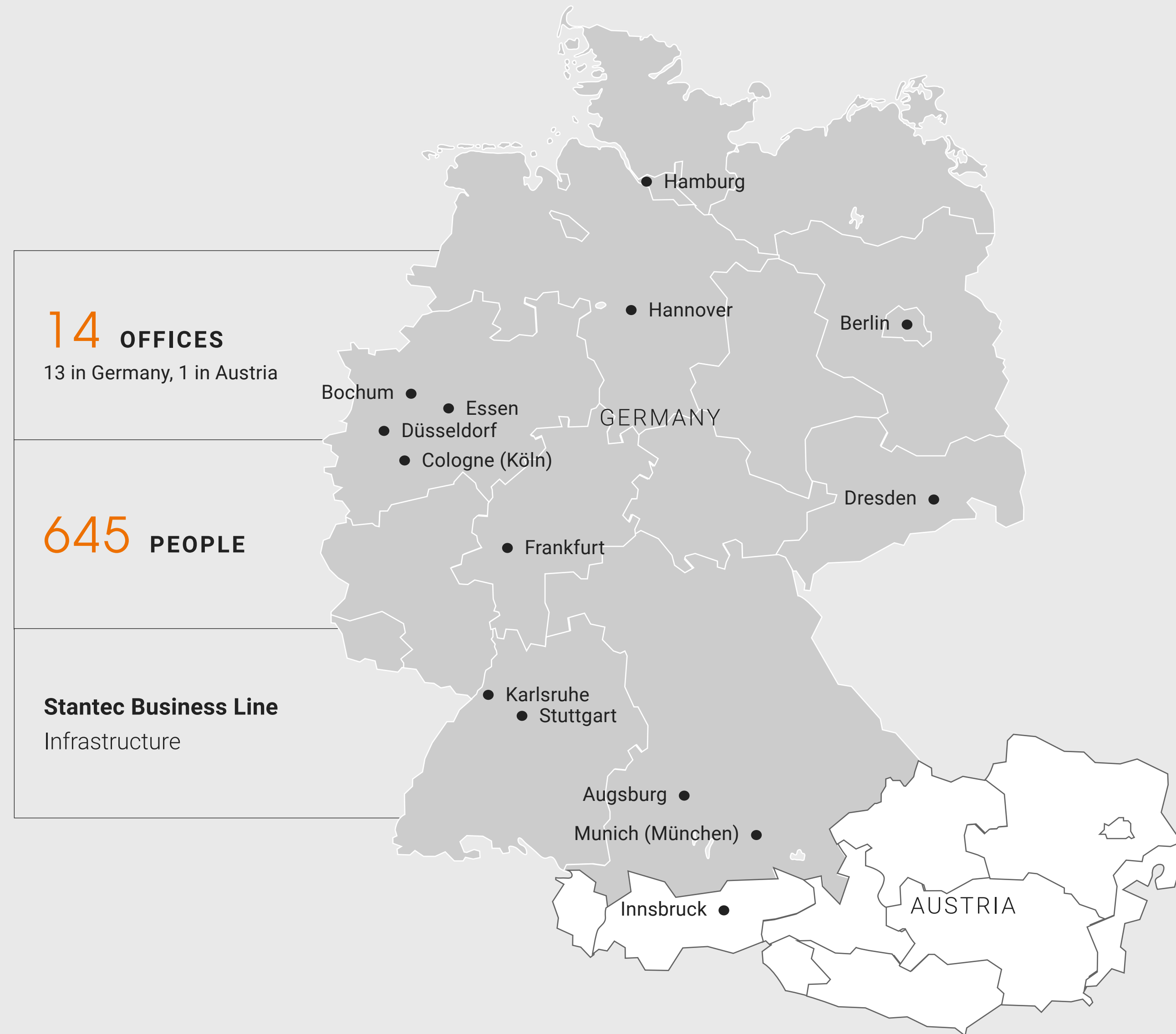
Our colleagues from ZETCON have built a reputation as an industry leader in infrastructure planning, inspection, project management, and construction management.

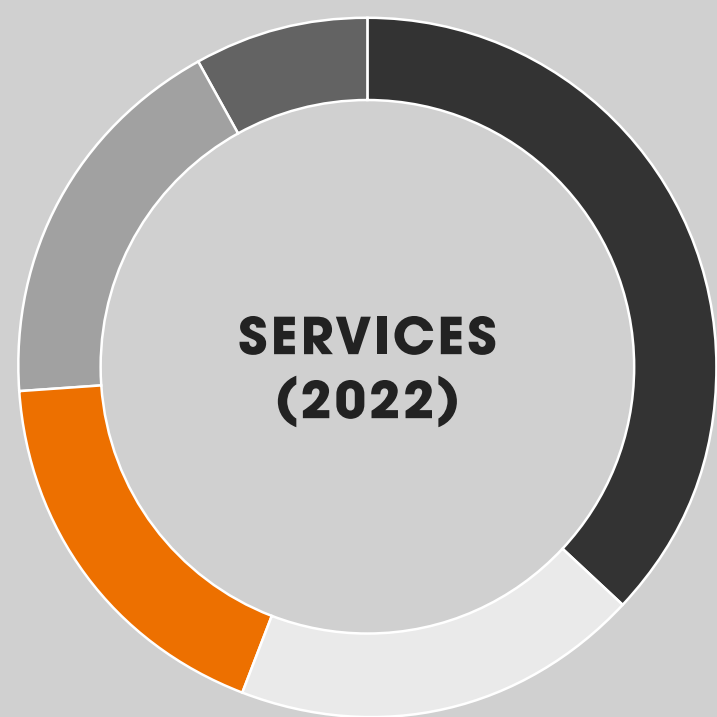
ZETCON joins Stantec.

 **Terfener Inn Brücke**
Location: Terfens, Austria
Client: ASFINAG Bau Management GmbH



ZETCON has extensive industry expertise in bridge certification and assessment, project and construction management of tunnels, roads, and rail infrastructure, as well as building condition assessments, improvements, and certifications. ZETCON's national presence and expertise in the German market, combined with Stantec's global knowledge and capabilities, will provide the opportunity to further diversify the business and grow in other sectors over time.





- Construction Management and Transport Infrastructure
- Buildings and Facilities Engineering
- Structural Inspection/Structural Maintenance
- Construction Management Deutsche Bahn
- Infrastructure Planning



□ **Caspar Tillmann**
Chief Executive Officer
ZETCON

Stantec is a renowned global engineering firm that brings the clout to help us grow in a fragmented German engineering market. Joining Stantec will expand the range of services we can offer our clients, give us the capacity to work on larger, more complex projects, and give our employees the opportunity to partner with best-in-class global expertise.



□ **Gord Johnson**
President and Chief Executive Officer
Stantec

ZETCON gives us a significant foothold in Germany, a large economy with massive infrastructure needs over the coming years. Expanding our presence in Europe has long been an ambition for Stantec, and this acquisition will set us up for long-term growth in the region.



1

KARLSRUHE URBAN LIGHT RAIL TUNNEL EXPANSION

LOCATION: Karlsruhe, Germany

CLIENT: KASIG - Karlsruher Schieneninfrastruktur GmbH

SERVICES:

- Construction Supervision
- Contract, Cost, and Document Management
- Appointment Controlling
- Plan Checking
- Health and Safety Coordination

ZETCON provided construction supervision for the EUR750 million (CAD\$1.1 billion) light rail tunnel expansion in the city of Karlsruhe. The company oversaw structural engineering work as well as the installation of building and railway operations technology through the inner-city tunnel and seven underground stations.

The project, which was of high public interest, is located in a particularly sensitive part of the city center. With a major focus on schedule supervision due to a tight schedule and firm launch date, ZETCON also provided supervision for over 80 individual subsections as part of this important project in Karlsruhe.



2

DÜSSELDORF URBAN LIGHT RAIL WEHRHAHN LINE TUNNEL

LOCATION: Düsseldorf, Germany

CLIENT: State Capital of Düsseldorf, Department for Bridge, Tunnel and Urban Railway Construction

SERVICES:

- Construction Supervision
- Civil Engineering and Project Planning
- Site Management
- Schedule and Cost Controlling

ZETCON provided construction supervision for the EUR700 million (CAD\$1 billion) Wehrhahn Line, a new double track light rail tunnel through the heart of Düsseldorf. The 3.4-kilometre (2.1 mile) line includes six underground and two aboveground stations.

Because of the central and significant position of the line in the area of the Königsallee shopping district, construction required a large amount of coordination between all parties, as well as affected residents and businesses.

In addition to construction supervision for this project, ZETCON was also awarded site management/ supervision for the line's underground construction and related road construction.



3

DÜSSELDORF URBAN LIGHT RAIL WEHRHAHN LINE - DEVELOPMENT SUPERVISION

LOCATION: Düsseldorf, Germany

CLIENT: State Capital of Düsseldorf, Department for Bridge, Tunnel and Urban Railway Construction

SERVICES:

- Construction Supervision
- Billing Site Management
- Follow-up Management
- Plan Management
- Schedule and cost controlling

Underground stops for Düsseldorf’s Wehrhahn Line (see Project 2) were developed from an international contest focused on the concept of “Architecture and Art for the Wehrhahn Line.” As a result, each of the line’s stations have unique, artistic, high-quality designs.

ZETCON managed more than 60 individual contracts for architectural, building technology, and rail operation technology development for this project. In addition to standard architectural development, its work also included power supply, information and communication technology, and all rail operation technology. ZETCON managed this high level of coordination in close partnership with the client and transport companies.



4

SÜDLINK PROJECT MAPPING

LOCATION: Germany

CLIENT: TenneT TSO GmbH TransnetBW GmbH

SERVICES:

- Project Management
- Quality Management
- Risk Management
- Schedule and Cost controlling
- Contract Management
- Special Feature: Quality Assurance, GIS Infrastructure

ZETCON was awarded project management for the EUR700 million (CAD\$1 billion) Südlink project, a 700-kilometre (435-mile) underground transmission line that will enable the German energy transition, connecting North Sea wind power to the south of Germany. ZETCON oversaw the work of five specialized companies mapping the 1,000-metre-wide (3,281-foot-wide) corridor, while managing scheduling and cost control, risk management, and contract management.



5

A6 HIGHWAY EXPANSION

LOCATION: Baden-Württemberg, Germany

CLIENT: ViA6West GmbH & Co. KG and AGWest construction group

SERVICES:

- Site management
- Construction supervision
- Plan checking (Approx. 12,000 plans)

ZETCON is the independent engineer for the EUR600 million (CAD\$885 million) expansion of Highway A6. Delivered under a public-private partnership model, the project includes expanding the number of lanes from four to six, new construction of a 1,300-metre (4,265-foot) bridge, replacement of 36 bridges, and upgrades to eight bridges.

The A6 has been operated and maintained over a period of 30 years, as part of a PPP model, from the Wiesloch/Rauenberg junction to the Weinsberg interchange via an approximately 47-kilometre (29-mile) route through a community. The route is structured in three sections under running traffic on a length of 25 kilometres (15.5 miles), with constantly changing traffic phases from four to six lanes. Within this project, ZETCON has been commissioned with checking the plans and construction supervision for the construction measures.



6

COLOGNE NORTH-SOUTH URBAN RAILWAY

LOCATION: Cologne, Germany

CLIENT: Kölner Verkehrsbetriebe AG

SERVICES:

- Project Planning
- Project Supervision
- Construction Supervision
- Special Feature: Acoustics planning and sound technology supervision

The four-kilometre (2.5-mile), EUR160 million (CAD\$239 million), Metro route for the North-South Urban Railway in Cologne runs under the city center and the historic old town, connecting the core and the south of the city via seven underground and one aboveground stations. Each of these stations features unique architecture, and special design and quality specifications were set for the station materials to fulfill the architectural requirements.

Knowing this, ZETCON brought its state-of-the-art development planning to the table. ZETCON managed special challenges including building construction services and fire protection in addition to the technical requirements of rail operations and the integration of retail into some stations. Moreover, ZETCON's project and construction supervision also included full construction management for architectural and technical development.