

# OPERATING IN INDIA - VIEWPOINT

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## INTERVIEW

### 1. What is the core activity of your company?

Whether it's a subway tunnel in London, a hydroelectric plant on the Amazon river, the Gotthard Base Tunnel in Switzerland or a high-speed rail route in China – construction projects of this magnitude are nothing unusual for Amberg Technologies. The Swiss company is one of the global leaders specialised in user-friendly surveying solutions.

Geologists and surveyors as well as software and hardware engineers at the Swiss headquarters design customised system solutions for geo-referenced data capture and processing in infrastructure installations. The company offers its customers field-proven products as well as customer specific services for railway surveying, tunnel surveying and tunnel seismics.

Amberg Technologies is the global market leader in the area of railway and tunnel surveying and offers its products and services through a network of more than 30 sales partners in over 40 countries. Customers include railway companies and construction companies as well as engineering firms, surveying agencies and universities. A well-established network of local service partners in all markets guarantees customers the Swiss quality and habitual reliability

### 2. How do you view the Global Railway Landscape?

The urban zone and cities are growing immense – the infrastructure is an important part of any developing plan. The railway is considered as an eco-friendly and efficient mode of transport. Metros offer comfortable mass transportation, light-rail connects the urban areas and intercity hubs.

Nowadays high speed trains are a real alternative to travel between city centres. Sea freight is struggling with economical awareness and reliable delivery times. Projects such as Dedicated Freight Corridor (IN), Gotthard Base Tunnel (CH) or bi-oceanic corridor with central TransAndean Base Tunnel (AR&CL) show that the railway freight can be a true alternative to the lanfreight. The sum of those developments promises a stable and growing railway landscape all over the globe.

### 3. Your company is very experienced in Tunneling, Please tell us about the experience of your company in achieving the Landmark: Gotthard Tunnel Completion.

The Gotthard Base Tunnel is a railway tunnel built for high-speed rail traffic. With a length of 57 km, it is the longest railway tunnel in the world. The Amberg Group has made an



Image Credit : Amberg Technologies AG

important contribution to the success of this project of the century. Amberg Engineering for example provided construction supervision in engineering joint-venture.

Amberg Technologies on the other hand contributed as surveying contractor services including heading guidance, control, geotechnical measurements and also seismic prediction measurements. For many years, the surveyors of Amberg Technologies run all measurements of tunnel excavation and geotechnical monitoring in the Gotthard Base Tunnel and Ceneri Base Tunnel.

#### 4. Describe your activities into the Railway Industry of India? What is the potential of the Indian Rail industry in near future?

Modern infrastructure projects are under high economic pressure and have to be highest quality and on schedule. This leads to the usage of state of the art surveying methods. Metros, Dedicated Freight Corridor and new lines are built with design. Increased operational speed, safety requirements, optimised rolling stock wear and travel comfort require higher track geometric accuracy.

Amberg Technologies is the global market leader in rail geometric surveying. With Azure Biz, we have built in India a reliable distribution partner for almost 5 years. The potential is driven by the digital technology change from the manual rail surveying method to the sophisticated automatic rail surveying. Azure Biz achieves this new potential in offering highly competent pre and after sales services for the Indian subcontinent.



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