



**TLT-Turbo GmbH**

## Engineering Base Carries the Wind of Change TLT-Turbo modernizes its production processes with *EB Instrumentation*



Be it process engineering or fire protection, in underground parking lots, tunnels, power plants or in mining: TLT Turbo GmbH has been moving air and gases for 175 years. With a large number of pioneering achievements, the present-day Siemens subsidiary has promoted ventilation technology and is one of the largest fan manufacturers worldwide. About 500 employees work at four sites in Germany on innovative solutions and a demanding product strategy that offer the highest possible cost-effectiveness - from air-related building components via complete tunnel ventilation systems to high-performance fans in power plants.

### ■ **Utmost Efficiency**

The ever-increasing pressure to offer customers a documentation already shortly after the placement of an order motivated TLT Turbo to thoroughly search for an electrical planning system that optimally supports the design process. The decision was made in favor of AUCOTEC's database-driven Engineering Base (EB) with its branch solution Instrumentation. The conversion from simple CAD to EB meant a tremendous jump in efficiency. Now all the TLT designers have to do is to define e.g. a measurement tag, which then instantly appears in the

correct form in the Explorer, the graphic and the table. Previously four different document types had each to be updated manually. Likewise the terminal diagram was maintained manually, now it can be automatically generated from a configuration at the push of a button. Taken together, all this considerably minimizes the time expenditure and error rate.

### ■ **Branch Expert EB**

TLT-Turbo uses the new tool primarily for projecting its complex systems for power plants. Here a reliable data quality and consistency are of the utmost importance. Here EB can score even higher because among other things it also supports the power station designation system KKS. In its systems engineering sector, TLT moreover uses EB to generate the circuit diagrams e.g. for its wind tunnel components.

### ■ **Helping Fashioning the Future**

The TLT-Turbo engineers have deliberately decided in favor of a relatively young tool. Thus they used the opportunity to take part in the further development of this ultra-modern tool in a way oriented to their specific needs. Invariably, the realization of such absolutely practice-oriented extensions also benefits all other AUCOTEC customers.

