

# Tunnel Control System for the New Gotthard Base Tunnel



**Segment:** Rail tunnel

**End user:** AlpTransit Gotthard AG

**System integrator:** Siemens Switzerland AG - IS MO

**Realization date:** 2008

## Requirements:

- Guaranteed availability of the entire system
- Covering telecontrol and monitoring function of all relevant data points of the electro-mechanical installations
- Uniform operation

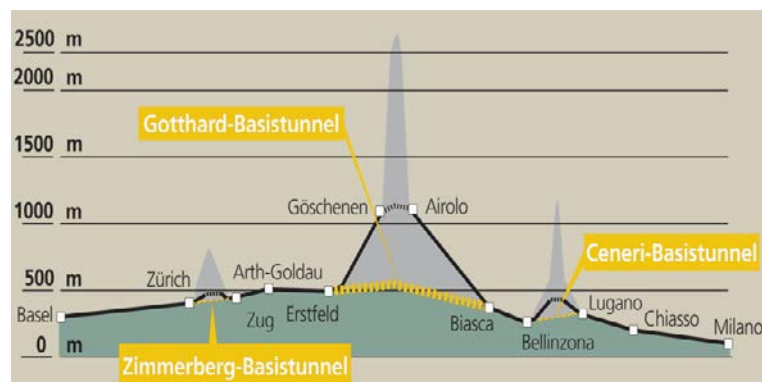
## Solution:

- Disaster Recovery System for high reliability and availability
- Error-Handling-Tool for error checklist administration
- Configuration- and integration management with ETool
- Standardized communication (OPC UA) and consistent tag schema

## Benefits:

- In case of a breakdown of Control Center South automatic switch to CC North
- All sub-systems are supervised by the Tunnel Control System WinCC OA

*The world's longest rail tunnel of 56.8 km is being constructed between Erstfeld and Bodio, Switzerland. Pilot operations of the western section between Faido and Bodio are scheduled for 2013. Project completion is planned for summer 2016*



# SIEMENS

