

**Training session 'Health & Safety & Logistic in Tunnel Construction'**  
**8<sup>th</sup> September 2015, Argentina**  
**Venue: Techint Training & Convention Center**  
**Carlos M. Della Paolera 222, Ciudad Autónoma de Buenos Aires**

**Objective:** to provide an introduction to Health & Safety, & Logistics in tunnel construction. The seminar will focus on long & deep conventional tunnels in high altitude. Geotechnical hazards will be considered followed by sessions on specifics aspects of H&S and logistics needs for such long tunnels.

## **Programme**

### **Tuesday, 08 September 2015**

09:00 - 09:10: Welcome & opening

#### **Session 1: Logistics in tunnel construction for long tunnels**

**09:10 - 10:30** Adits, tunnel access, transportation, haulage & muck management, reuse of excavation material, ventilation & cooling, communication, illumination, tunnel services, - G. Seingre **(80min)**

**10:30 - 11:00 Coffee Break**

#### **Session 2: Hazard & risks associated to conventional tunnelling for long tunnels in high altitude**

**11:00 - 11:45** Hazard identification, risk assessment & risk management, Part 1 – R. Galler **(45min)**

**11:45 - 12:30** Management of natural hazards related to tunnel construction - G. Seingre **(45min)**

**12:30 - 14:00 Lunch**

**14:00 - 14:45** Hazard identification, risk assessment & risk management, Part 2 – R. Galler **(45min)**

**14:45 - 15:30** Importance of monitoring & data evaluation - R. Galler **(45min)**

**15:30 - 16:00 Coffee Break**

#### **Session 3: Specifics aspects of Health and Safety in tunnel construction for long tunnels in high altitude**

**16:00 - 16:45** Fire prevention, emergency procedures, first aid & rescue - G. Seingre **(45min)**

**16:45 - 17:30** Health & safety concepts for long tunnels with high overburden - R. Galler **(45min)**

**17:30 - 18:00** Questions & feedback **(30min)**

