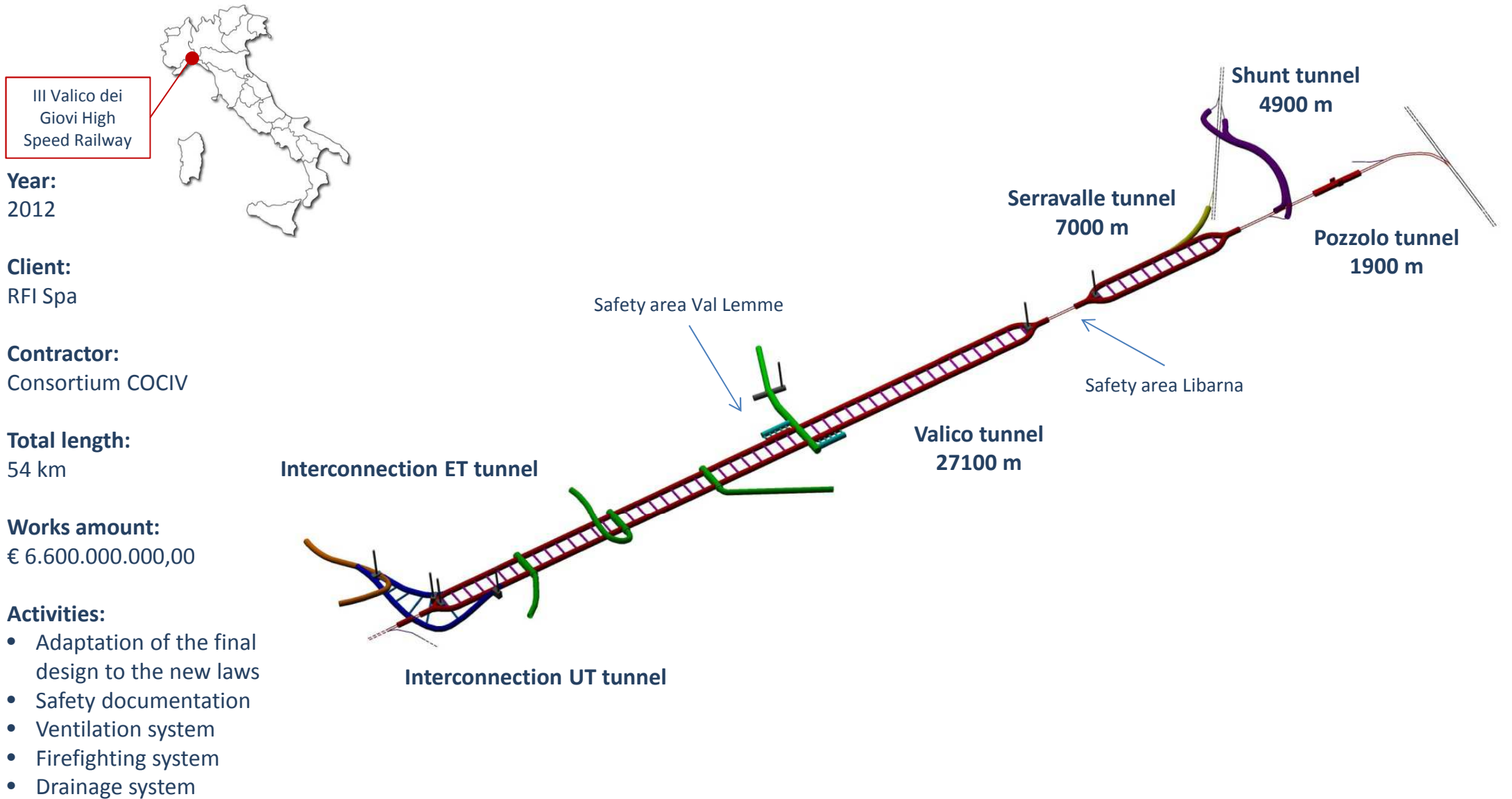


## Definition of the general layout for safety



III Valico dei Giovi High Speed Railway

**Year:**  
2012

**Client:**  
RFI Spa

**Contractor:**  
Consortium COCIV

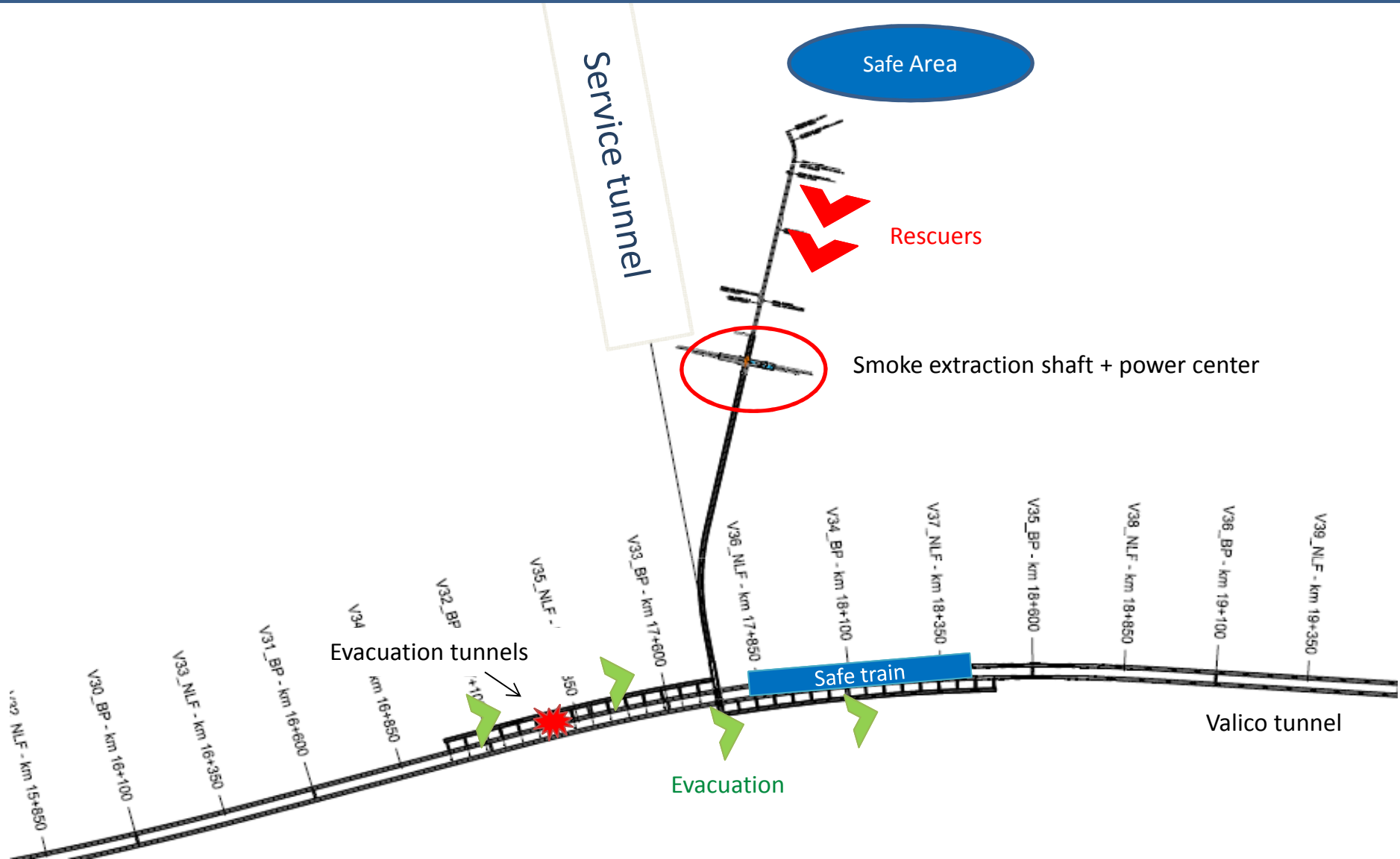
**Total length:**  
54 km

**Works amount:**  
€ 6.600.000.000,00

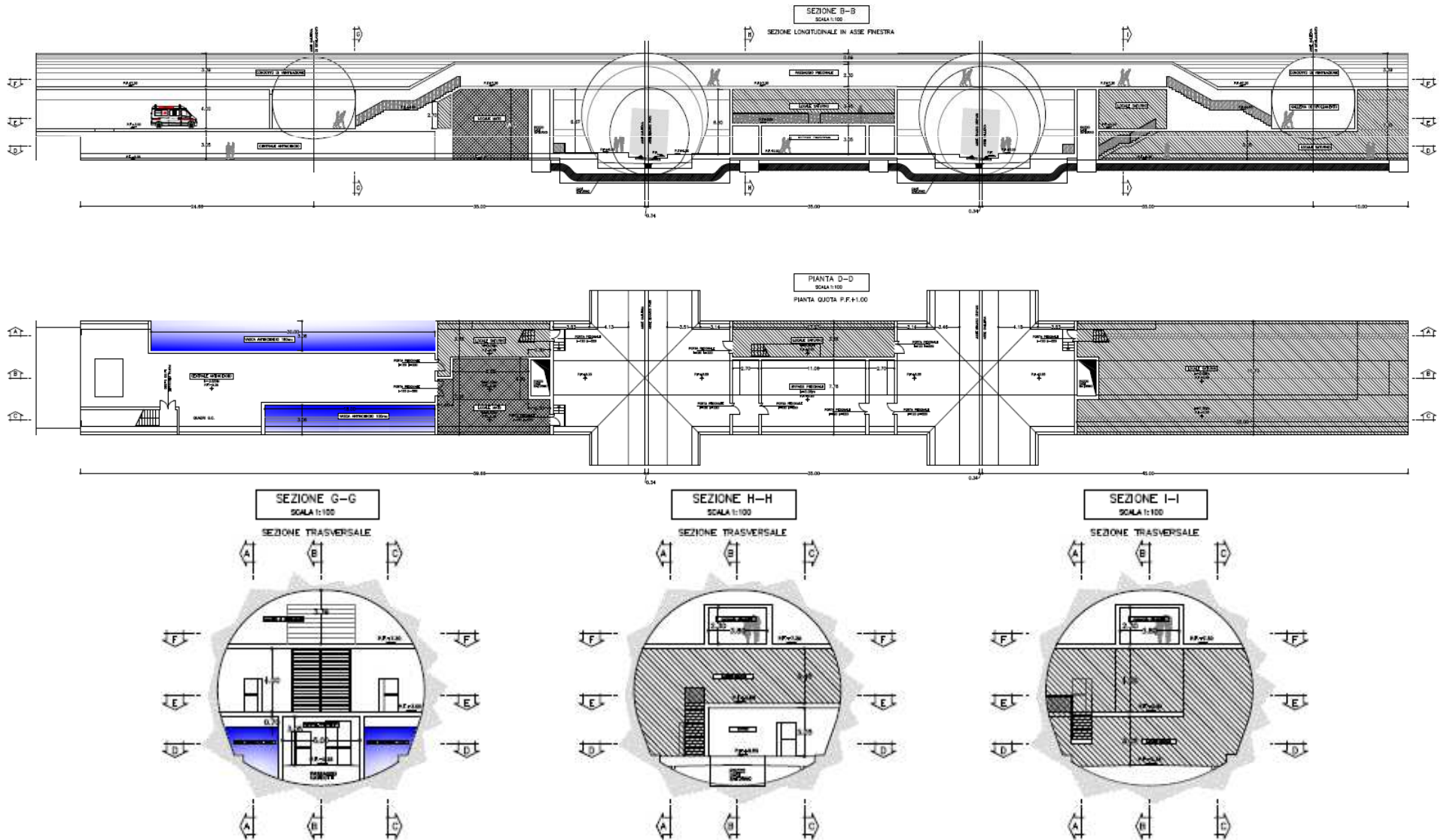
- Activities:**
- Adaptation of the final design to the new laws
  - Safety documentation
  - Ventilation system
  - Firefighting system
  - Drainage system

# High Speed Railway line Milan-Genoa "III Valico dei Giovi"

Safe area general layout definition starting from emergency procedures

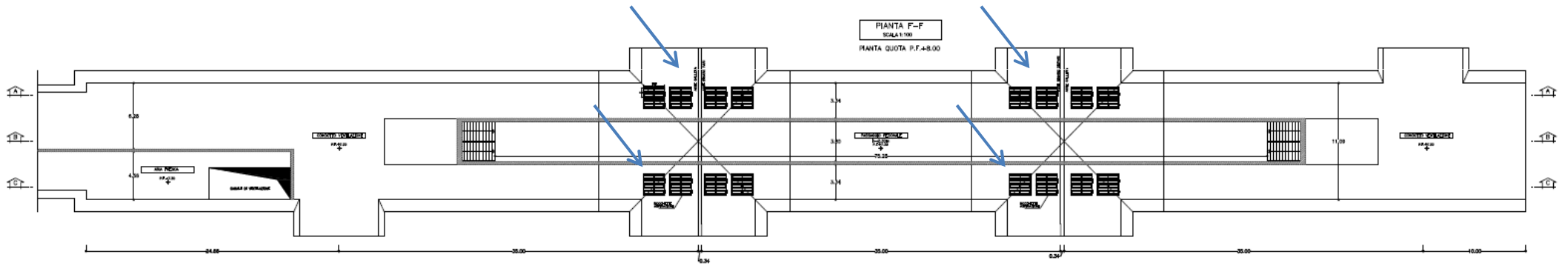


Safe area functional layout design



3D simulation of smoke extraction system

extraction vents in the ceiling on the graft service tunnel

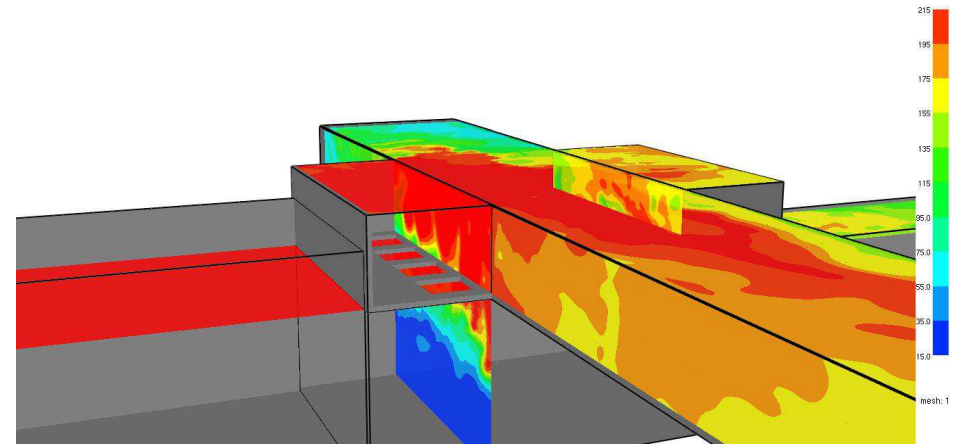
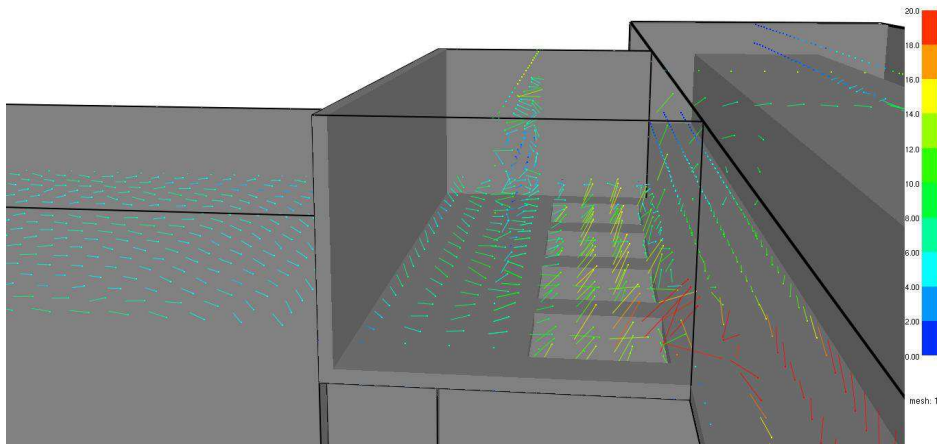


Smokeyview 5.5.6 - ,terzovalico\_38\_0001\_00000060\_00.q

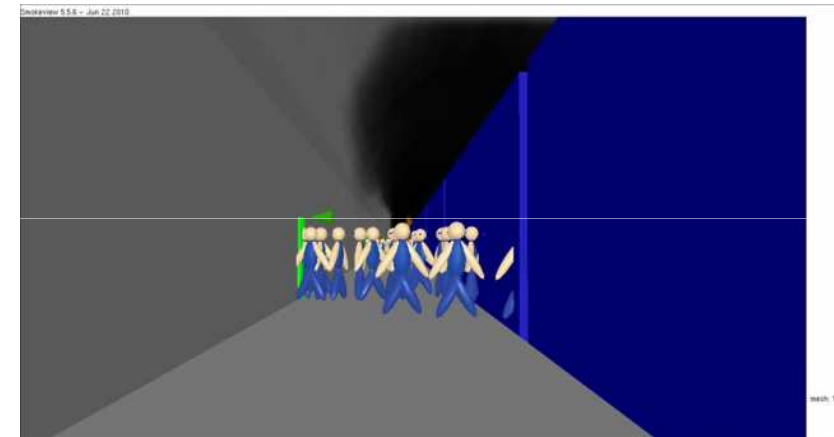
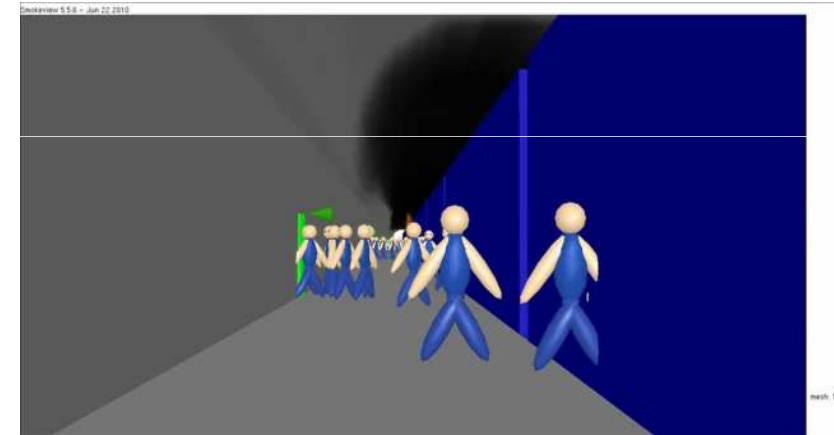
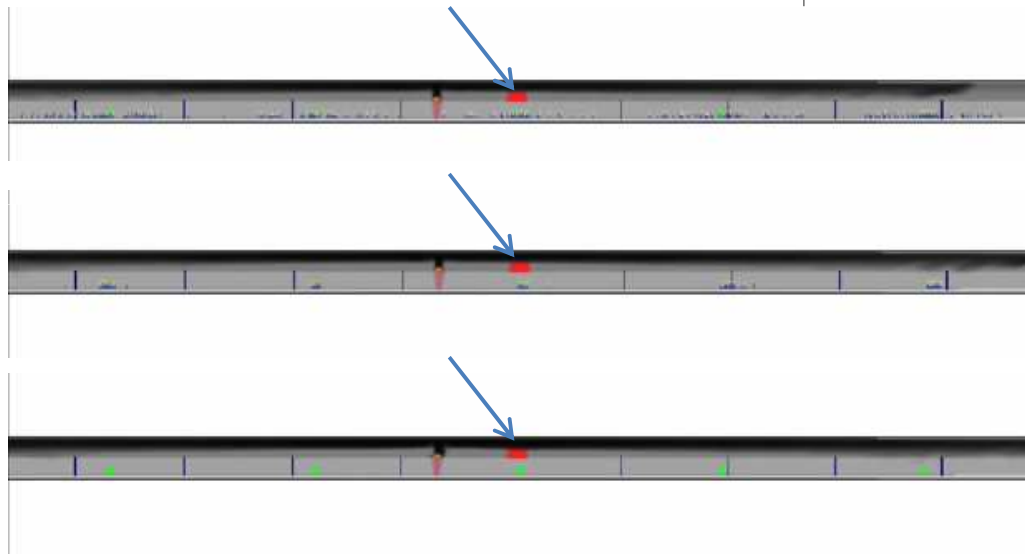
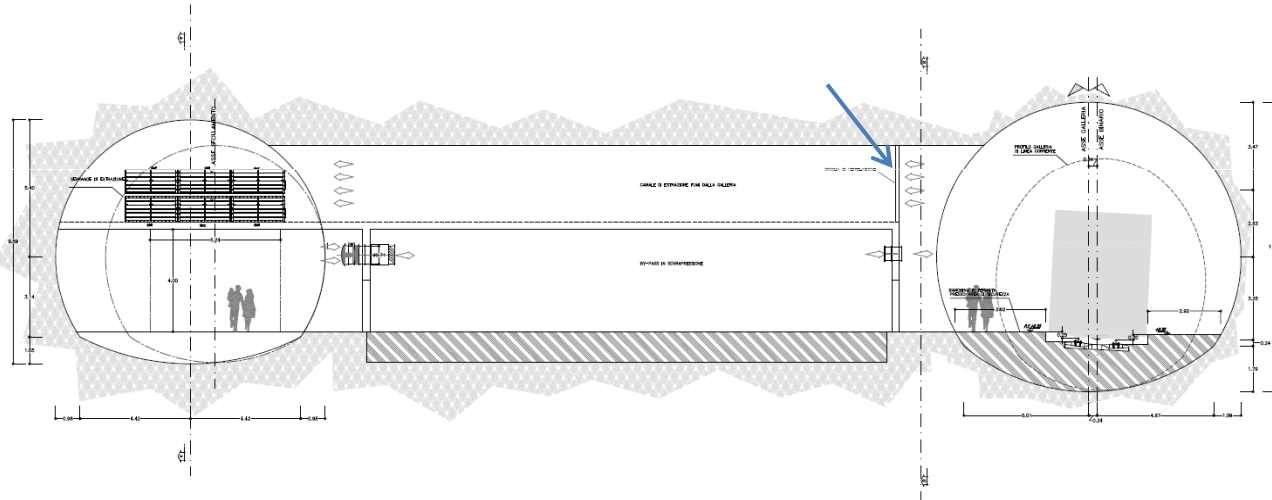
Plot3d  
vel  
m/s

Smokeyview 5.5.6 - ,terzovalico\_38\_0001\_00000060\_00.q

Plot3d  
temp  
C



3D simulation of smoke extraction system



3D evacuation simulation

