

Ordine degli Ingegneri

Tunnel construction : methodology and case histories

Webinar 21 maggio 2020

Angelo Villa Project manager and Tunnel Engineer Scope of this lecture is to open a window on construction of tunnels mainly with Drill and blast in an international perspective.



Construction of a tunnel is a big Challenge ...not only calculation or design but also experience, good skills and .. good luck . Is a craft activity .

Tunnel construction is a multi discipline activity :

- Geologist
- Geothecnical engineers
- Structural engineers
- MEP engineers
- Surveyors
- Safety experts

AGENDA

Tunnel construction methodology
Rock mass classification
Tunnel monitoring and costruction management
Safety during construction and operation

5.Case histories

Strettara, Appenins, 1986 S. Martino Ancona, 2001

Piedicastello, Trento, 1998













