

BELGIUM

ACTIVITY REPORT 2014

Association belge des Techniques et de l'Urbanisme souterrains – Belgische Vereniging voor Ondergrondse Technieken en Stedebouw – ABTUS – BVOTS – Belgian Tunnelling Association

Avenue Grandchamp 148 B 1150 BRUXELLES

E-mail : wdl.abtusbvots@telenet.be

Web: www.abtus-bvots.be

ABTUS – BVOTS is a non-profit association created in 1977, with open membership for individual and collective members, with 60 collective members and 22 individual members.

Participation in activities AFTES during all year. Close connection with sister-associations of France, Italy, Portugal, Spain and Switzerland.

BELGIUM – Activity Report 2014

Significant projects under construction in Belgium:

- Railway-tunnel “Liefkenshoek” under the river Scheldt in Antwerp: bored tunnel (5570 m + cut-and-cover sections 500 m and 1075 m): opening on 17.12.2014
- Railway-tunnel “Schuman-Josaphat” for creating a second North-South link through Brussels and better connecting the European headquarters to the airport : built in-situ, several combined methods as micro-TBMs, timbered trenches, underpinning, cut-and-cover, total length 1250 m, civil engineering completed, equipment’s under way, foreseen opening in 2015
- Road tunnel (2 lanes, 500 m length) in the vicinity of the railway station of Mechelen, foreseen opening 2016

Significant projects under design in Belgium:

- North closing of the motorway around Antwerp: tunnel under the river Scheldt: ± 4000 m under the river + up to 4000 m under the old docks and Northern part of the city
- Deep underground disposal of high level radioactive waste: gallery 250 m long, 220 m deep

- Road tunnel under the airport of Charleroi
- Section Charleroi-French border of the motorway E 420: section of 13 km including 3 cut-and-cover tunnels (total 1700 m)
- Test cave for nuclear reactor: 70 x 47 x 43 m
- North extension of the metro of Brussels: 6 km and 8 stations, all underground: public inquiry going on

Other possible significant projects in Belgium:

- Shortcut in the motorway around Brussels: bored tunnel (possibly single tube with 2 traffic levels, cars and public transport busses, multimodal approach): around 10.000 m length