

PROJECT	PERIOD	ACTIVITIES
Highway tunnel Boyneburg, Germany	2018 – (present)	Drilling and Reinforcement, L1 = 1.714 m; L2 = 1.682 m; $\varnothing = 108 - 160 \text{ m}^2$, additional works: slope reinforcement, spraying concrete works
S21 tunnel Wolframstraße, Germany	2018 – (present)	Formworks, reinforcing and concreting, L = 450 m, $\varnothing = 150 \text{ m}^2$
Höllentalbahn East (5 tunnels), Germany	2018 – 2019	Tunnel renovation, L1 = 166 m, L2 = 228 m, L3 = 104 m, L4 = 203, L5 = 535 m
Subway Tunnel U3 Nürnberg, Germany	2017 – 2018	Secondary lining, L = 320 m, $\varnothing = 82 \text{ m}^2$
Road Tunnel Vötting, Germany	2017 – 2018	Drilling and Reinforcement, L = 461 m, $\varnothing = 100 \text{ m}^2$
Vertical shafts B50n Hochmosel bridge, Trier, Germany	2016 – 2018	Excavation and Reinforcement, 6 x L = 39 m, $\varnothing = 28 \text{ m}^2$,
Railroad tunnel Pforzheim, Germany	2016 – 2017	Drilling and Reinforcement, L = 212 m, $\varnothing = 100 \text{ m}^2$, Additional works
Smoke extraction shafts, "S21 Bad Cannstatt", Stuttgart, Germany	2016 – (present)	Drilling and Reinforcement, L = 39 m, $\varnothing = 40 \text{ m}^2$
Highway tunnel Hirschhagen, Germany	2016	156 m bench excavation, 208 m bottom excavation, pipe roof grouting
Rock tunnel works and secondary lining installation Rasa – Ahonmaki tunnel E18 Hamina – Vaalimaa, Finland	2016 - 2017	Drilling, Secondary lining, L ₁ = 204,00 m, $\varnothing_1 = 130,00 \text{ m}^2$; L ₂ = 204,00 m, $\varnothing_2 = 129,80 \text{ m}^2$
Extension of the Sofia Metro, III - metroline Botevgradsko Shosse blvd. - Bul. "Vladimir Vazov- Central City private Ovcha Kupel - I stage; Lot III – "Subway station 8 - Orlov most", "Subway Station 6 - Park Zaimov" and tunnel section, Bulgaria	2016 – 2019	Subway station 6 – Park Zaimov – 105 m; Tunnel underpass L = 23 m, $\varnothing = 35 \text{ m}^2$; Subway station 8 Orlov most – 103 m - two tunnel sections L= 66 m, $\varnothing = 220 \text{ m}^2$; Tunnel underpass L = 95 m, $\varnothing = 35 \text{ m}^2$; Tunnel before Subway station 6, L = 190 m, $\varnothing = 75 \text{ m}^2$
Construction of portal structure, inclined shaft "Bardoto" underground mines in the town of Breznik, Bulgaria	2016 – 2017	Drilling and Reinforcement, L = 1 298 m, $\varnothing = 60 \text{ m}^2$

III - 5004 "Gabrovo bypass" from km. 0 +000 to km. 31 +000. Tunnel №1 from km. 12+420 to km. 12+960	2016 - 2018	Drilling and Reinforcement, L = 540 m, $\varnothing = 66 \text{ m}^2$
Hydrotechnical Tunnel Undurraga, Spain	2015 - 2016	Drilling and Reinforcement, L = 1 275 m, $\varnothing = 23 \text{ m}^2$
Railroad Tunnel Burgbergtunnel, Germany	2015	Drilling and Reinforcement, Secondary lining, L = 307 m, $\varnothing = 130 \text{ m}^2$
Highway tunnel "Tunnel 1", Struma highway, LOT2, Bulgaria	2014 - 2015	Drilling and Reinforcement, L ₁ = 355 m, L ₂ = 341 m, $\varnothing = 91,96 \text{ m}^2$
Highway tunnel "Tunnel 2", Struma highway, LOT2, Bulgaria	2014 - 2015	Drilling and Reinforcement, L ₁ = 365 m, L ₂ = 345 m, $\varnothing = 91,96 \text{ m}^2$
Railroad Tunnel Metzberg, Germany	2014 - 2015	Drilling and Reinforcement, L ₁ = 586 m, L ₂ = 629 m, $\varnothing=48,7\text{m}^2$
Railroad Tunnel Hirschberg, Germany	2014	Drilling and Reinforcement, L = 505 m, $\varnothing = 48,7 \text{ m}^2$
Railroad Tunnel Falkenberg, Germany	2014 - 2015	Drilling and Reinforcement, L ₁ = 2 623 m, L ₂ = 2 619 m, $\varnothing = 49,6 \text{ m}^2$
Highway Tunnel Manajle, Serbia	2013 - 2019	Drilling and Reinforcement, L ₁ = 1 808 m, L ₂ = 1 800 m, $\varnothing = 105 \text{ m}^2$,
Highway Tunnel Predejane, Serbia	2013 - 2018	Drilling and Reinforcement, L ₁ = 870 m, L ₂ = 1 075 m, $\varnothing = 105 \text{ m}^2$
Subway Tunnel U12, Germany	2013 - 2014	Drilling and Reinforcement, L = 1 670 m, $\varnothing = 43,4 \text{ m}^2$, 53 m ² , 126,3 m ²
Railroad Tunnel El Corno, Spain	2013 - 2016	Drilling and Reinforcement, L = 8 000 m, $\varnothing = 85 \text{ m}^2$
Road Tunnel Branichtunnel	2013 - 2014	Drilling and Reinforcement, Secondary lining L = 1800 m, $\varnothing = 85 - 160 \text{ m}^2$, Emergency exits, L ₁ = 110 m, $\varnothing= 20 \text{ m}^2$, L ₂ = 110 m, $\varnothing= 20 \text{ m}^2$
Emergency gallery Scheibengipfeltunnel, Germany	2012 - 2014	Drilling and Reinforcement, L = 1 620 m, $\varnothing = 20 \text{ m}^2$
Highway tunnel Kolsila, Finland	2012 - 2013	Drilling and Reinforcement, L ₁ = 146 m, L ₂ = 158 m, $\varnothing = 122,5 \text{ m}^2$
Railroad tunnel Seiro, Spain	2012 - 2013	Drilling and Reinforcement, L = 1798 m, $\varnothing = 85 \text{ m}^2$
Road tunnel Bühltunnel, Germany	2012 - 2013	Drilling and Reinforcement, L = 417 m, $\varnothing = 87-100 \text{ m}^2$

Railroad Tunnel Ganzalai, Spain	2011 - 2012	Drilling and reinforcement, L = 1 365 m, $\varnothing = 85 \text{ m}^2$
Railroad Tunnel San Roman, Spain	2011 - 2012	Drilling and reinforcement, L = 727 m $\varnothing = 95 \text{ m}^2$
Railroad Tunnel Marrageruena, Spain	2011 - 2012	Drilling and reinforcement, L = 326 m $\varnothing = 85 \text{ m}^2$
Railroad Tunnel Aldaba Txiki, Spain	2011 - 2013	Drilling and reinforcement, L = 650 m, $\varnothing = 115 \text{ m}^2$
Railroad Tunnel Auzo Txikia, Spain	2011 - 2013	Drilling and reinforcement, L = 170 m, $\varnothing = 115 \text{ m}^2$
Road Tunnel Taurito, Spain	2010 - 2011	Drilling and reinforcement, L = 2 800 m, $\varnothing = 94 \text{ m}^2$
Road Tunnel Mogan, Spain	2009 - 2010	Drilling and reinforcement, L = 1250 m, $\varnothing = 94 \text{ m}^2$
Road Tunnel Eje de Belante, Spain	2009 - 2009	Drilling and reinforcement, L = 400 m, $\varnothing = 92 \text{ m}^2$
Hydrotechnical Tunnel Barxeta, Spain	2008 - 2010	Drilling and reinforcement, L = 1 438 m, $\varnothing = 20.25 \text{ m}^2$
Railroad Tunnel Castro, Spain	2007 - 2008	Drilling and reinforcement, L = 475 m, $\varnothing = 85 - 90 \text{ m}^2$
Railroad Tunnel Nocedo, Spain	2007 - 2008	Drilling and reinforcement, L = 625 m, $\varnothing = 85 \text{ m}^2$
Railroad Tunnel Alba, Spain	2007 - 2008	Drilling and reinforcement, L = 1 050 m, $\varnothing = 90 \text{ m}^2$
Road Tunnel Arlaban, Spain	2006 - 2008	Drilling and reinforcement, Concrete lining 2 tunnel pipes: L ₁ = 3350 m, L ₂ = 3350 m, $\varnothing = 105 \text{ m}^2$
Railroad tunnel Guadarrama Sur, Spain	2005 - 2006	Drilling and reinforcement of service galleries, L = 3400 m, $\varnothing = 40 \text{ m}^2$
Road Tunnel Vielha, Spain	2003 - 2008	Drilling and reinforcement, Inner concrete lining, L = 5 200 m, $\varnothing = 127 \text{ m}^2$
Subway Tunnel MS8, Bulgaria	2010 - 2011	Drilling and reinforcement, Primary and secondary lining, L = 108.7 m, $\varnothing = 259 \text{ m}^2$
Railroad Tunnel Silberberg, Germany	2010 - 2011	Drilling and reinforcement, Emergency exits, L = 3 030 m, $\varnothing = 35 \text{ m}^2$
Subway Tunnel MS13 to MS18, Bulgaria	2010 - 2011	Drilling and reinforcement, Primary and secondary lining, L = 2 × 365 m, $\varnothing = 35 \text{ m}^2$
Railroad Tunnel Masserberg, Germany	2010 - 2011	Drilling and reinforcement, L = 1 051 m, $\varnothing = 130 \text{ m}^2$
Subway Tunnel MS18 to MS19, Bulgaria	2010 - 2011	Drilling and reinforcement, Primary and secondary lining, L = 375.20 m, $\varnothing = 75 \text{ m}^2$
Railroad Tunnel Rehberg, Germany	2010 - 2011	Drilling and reinforcement, L = 562 m, $\varnothing = 130 \text{ m}^2$
Road Tunnel Taurito, Spain	2010 - 2011	Drilling and reinforcement, L = 2 800 m, $\varnothing = 94 \text{ m}^2$
Vyara Inclined Gallery, Chelopech, Bulgaria	2010 - 2011	Drilling and reinforcement,

		Tunnel: L = 1 200 m, $\varnothing = 22 \div 33 \text{ m}^2$ Bypass: L = 162 m, $\varnothing = 22 \div 33 \text{ m}^2$ 6 Niches: L = 105.6 m, $\varnothing = 22 \text{ m}^2$
Road Tunnel Ampelia, Greece	2010 - 2010	Drilling and reinforcement, Primary and secondary lining, L = 500 m, $\varnothing = 90 \text{ m}^2$
Road Tunnel T2, Lamia, Greece	2010 - 2010	Drilling and reinforcement, Primary and secondary lining, L = 1 000 m, $\varnothing = 65 \text{ m}^2$
Subway Tunnel MS10 to MS11, Bulgaria	2009 - 2010	Drilling and reinforcement, Primary and secondary lining, L = 792 m, $\varnothing = 75 \text{ m}^2$
Road Tunnel Mogan, Spain	2009 - 2010	Drilling and reinforcement, L = 1250 m, $\varnothing = 94 \text{ m}^2$
Road Tunnel Eje de Belante, Spain	2009 - 2009	Drilling and reinforcement, L = 400 m, $\varnothing = 92 \text{ m}^2$
Road Tunnel Barxeta, Spain	2008 - 2010	Drilling and reinforcement, L = 1 438 m, $\varnothing = 20.25 \text{ m}^2$
Railroad Tunnel Blessberg Nord LOT 3, Germany	2008 - 2012	Drilling and reinforcement, Tunnels Blesberg Nord and Goldberg, L = 4 784 m, $\varnothing = 130 \text{ m}^2$ Emergency exits: L = 2 100 m, $\varnothing = 27 \div 55 \text{ m}^2$
Road Tunnel Castro, Spain	2007 - 2008	Drilling and reinforcement, L = 475 m, $\varnothing = 85 - 90 \text{ m}^2$
Road Tunnel Nocedo, Spain	2007 - 2008	Drilling and reinforcement, L = 625 m, $\varnothing = 85 \text{ m}^2$
Road Tunnel Alba, Spain	2007 - 2008	Drilling and reinforcement, L = 1 050 m, $\varnothing = 90 \text{ m}^2$
Railroad Tunnel "Blessberg Süd", lot 2, Germany	2007 - 2008	Drilling and reinforcement, Tunnel Blessberg Süd: L = 4 663 m, $\varnothing = 130 \text{ m}^2$ Emergency exits: L = 2 377 m $\varnothing = 27 \div 55 \text{ m}^2$
Road tunnel Schmücketunnel, Germany	2007 - 2008	Drilling and reinforcement, Concrete lining, L ₁ = 1 720 m, L ₂ = 1 729 m, $\varnothing_{1,2} = 104.9 \div 147.1 \text{ m}^2$
Road Tunnel Arlaban, Spain	2006 - 2008	Drilling and reinforcement, Concrete lining 2 tunnel pipes: L ₁ = 3350 m, L ₂ = 3350 m, $\varnothing = 105 \text{ m}^2$
Railroad tunnel Guadarrama Sur, Spain	2005 - 2006	Drilling and reinforcement of service galleries, L = 3400 m, $\varnothing = 40 \text{ m}^2$
Hydro Tunnel HPP Tzankov kamak, Bulgaria	2005 - 2006	Drilling and reinforcement, L = 493 m, $\varnothing = 49 \text{ m}^2$
Hydro Tunnel HPP Tzankov kamak, Bulgaria	2005 - 2006	Drilling and reinforcement, L = 526 m, $\varnothing = 40 \text{ m}^2$

Road tunnel Gevelsberg, Germany	2004 - 2005	Drilling, reinforcement, Inner concrete lining, L = 305 m, $\varnothing = 122 \text{ m}^2$
Road tunnel HPP Tzankov kamak, Bulgaria	2004 - 2005	Drilling and reinforcement, Concrete lining, L = 220 m, $\varnothing = 30 \text{ m}^2$
Hydro Tunnel Yadenica [II stage], Bulgaria	2004 - 2004	Drilling and reinforcement, Concrete lining, L = 250 m, $\varnothing = 48.95 \text{ m}^2$
Road Tunnel Vielha, Spain	2003 - 2008	Drilling and reinforcement, Inner concrete lining, L = 5 200 m, $\varnothing = 127 \text{ m}^2$
Subway tunnel Bochum, Germany	2002 - 2004	Drilling and reinforcement, Concrete lining, L = 2 × 550 m, $\varnothing = 36 \text{ m}^2$
Burgholz Tunnel, Germany	2002 - 2004	Drilling and reinforcement, Concrete lining, L = 2 × 1 730 m $\varnothing = 144 \text{ m}^2$
Hydro Tunnel Yadenica [I stage], Bulgaria	2001 - 2003	Drilling and reinforcement, Concrete lining, L = 85 m, $\varnothing = 48.95 \text{ m}^2$
Hydro Tunnel HPP Madan, Bulgaria	2001 - 2003	Drilling and reinforcement, Concrete lining, L = 365 m, $\varnothing = 56 \text{ m}^2$
Hydro Tunnel HPP Ogosta, Bulgaria	2001 - 2003	Drilling and reinforcement, Concrete lining, L = 44.50 m, $\varnothing = 9.63 \text{ m}^2$
Railroad tunnel Egge, Germany	2000 - 2002	Drilling and reinforcement, Concrete lining, L = 3 100 m, $\varnothing = 144 \text{ m}^2$
Hydro Tunnel HPP Madan, Bulgaria	2000 - 2001	Drilling and reinforcement, Concrete lining, L = 293 m, $\varnothing = 56 \text{ m}^2$
Hydro Tunnel HPP Madan, Bulgaria	1999 - 2000	Drilling and reinforcement, Concrete lining, L = 220 m, $\varnothing = 30 \text{ m}^2$
Railroad tunnel Deesener Wald, Germany	1998 - 2000	Drilling and reinforcement, Concrete lining, L = 1 970 m, $\varnothing = 144 \text{ m}^2$
Railroad tunnel Idstein, Germany	1997 - 1999	Drilling and reinforcement, Concrete lining, L = 965 m, $\varnothing = 144 \text{ m}^2$
Highway tunnel Hemberg, Germany	1996 - 1997	Drilling and reinforcement, Concrete lining, L = 2 × 440 m, $\varnothing = 114 \text{ m}^2$

Road tunnel Burgberg, Germany	1995 - 1996	Drilling and reinforcement, Concrete lining, L = 555 m, $\varnothing = 90 \text{ m}^2$
Subway Tunnel SW Tunnel 2, Munich – east, Germany	1994 - 1996	Drilling and reinforcement, Concrete lining, L = 850 m, $\varnothing = 43 \text{ m}^2$
Hydro Tunnel Sewerage collector, Munich - north, Germany	1994 - 1995	Drilling and reinforcement, Concrete lining, L = 1 725 m, $\varnothing = 44 \text{ m}^2$
Hydro Tunnel Sewerage collector Fischbach, Bayern, Germany	1993 - 1995	Drilling and reinforcement, Concrete lining, L = 650 m, $\varnothing = 88 \text{ m}^2$
Subway Tunnel SW Tunnel 1, Munich – west, Germany	1993 - 1996	Drilling and reinforcement, Concrete lining, L = 750 m, $\varnothing = 36 - 127 \text{ m}^2$
Subway Tunnel and Metro station Feldmoching, Germany	1991 - 1994	Drilling and reinforcement, Concrete lining, L ₁ = 515 m, L ₂ = 515 m, $\varnothing = 43 \text{ m}^2$