



Dienstleistungen Bahn- und Versorgungstunnel (Auszug)
Services rail and utility tunnel (extract)
Services tunnel ferroviaria e tunnel de service (extrait)
Servizi galleria ferroviaria e galleria di servizio (estratto)

Jahr ¹ Year ¹ Année ¹ Anno ¹	Tunnel / Objekt Tunnel / Object Tunnel / Objet Galleria / Oggetto	Länge [m] Length [m] Longueur [m] Lunghezza [m]	System ² System ² Système ² Sistema ²	Dienstleistung ² Service ² Service ² Servizio ²	Land Country Pays Paese
2026	Dubai Metro Blue Line	13000	LL, PA, RW	1, 2, 3, 5	AE
2026	Line Extension Subway U5 West Munich	3800	TL	3, 16, 17	DE
2026	Line 4120, Schefflenzer and Eicholzheimer Tunnel	544	TL	1	DE
2026	Hamburg-Harburg Tunnel, Line 1271	4249	TL	1, 9	DE
2026	Tunnel Mont d'Or	6100	TL	1, 21	CH
2025 - now	Subway Vienna, Line U2, Stations Gußriegelstrasse and Wienerberg	--	PA	1, 8	AT
2025 - now	High Speed Line 5934, Nuremberg-Ingolstadt (several Tunnels)	Total of 7000	TL	1, 9	DE
2025 - now	Subway Cologne, Stations Wienerplatz, Ebertplatz and Reichenspergerplatz	2500	TL	1	DE
2024 - now	Glattal Line Extension, Relief Tunnel Kloten	2000	LL, RL	1	CH
2024 - now	Roslagsbanan till City	4000	PA	1, 3	SE
2024 - now	Tunnels German Railway (DB InfraGO AG)	--	TL	1	DE
2023 - now	Fernbahn Tunnel Frankfurt	5000	RB	1, 16, 17	DE
2022 - now	City-Tunnel Frankfurt and Offenbach (Commuter Rail)	10000	LL, TL	1, 16	DE
2022 - now	Mattertal Tunnel	4000	VA	1, 7, 8	CH
2022 - now	Elleringhauser Rescue Tunnel	500	LL	1	DE
2021 - now	Delhi-Meerut Regional Rapid Transit System	10800	LL	1, 2, 3, 4, 5, 16, 19	IN
2021 - now	Dreilinden Tunnel	3400	NL	1, 8, 11	CH
2021 - now	Alto Maipo Hydroelectric Project	3000	LL	1	CL
2021 - now	Hydropower Station Ritom	2200	TL	1, 16, 21	CH
2021 - now	Line Untangling Entfelden	1000	NL	1, 8, 11	CH
2020 - now	Ship Lock Lueneburg		NL	5, 7, 8, 9, 16, 17, 21	DE
2020 - now	Station Stadelhofen, Switch Replacement	6461	TL	1, 20	CH

¹ Jahr der ersten Bearbeitung bei HBI – Jahr der letzten Bearbeitung

¹ Year of first processing at HBI - year of last processing

¹ Année de première activité à HBI - année de dernière activité

¹ Anno della prima elaborazione a HBI - anno dell'ultima elaborazione

² Erläuterung der Codes auf der letzten Seite

² Explanation of the codes on the last page

² Explication des codes sur la dernière page

² Spiegazione del codice nell'ultima pagina

2019 - now	High Speed Line Milano-Verona	10700	TL, NL	3, 16, 17	IT
2019 - now	Koralm Tunnel	33000	LL	1, 2, 14	AT
2018 - now	2nd Main Line Munich	--	PA	8, 21, 22	DE
2018 - now	Herzstueck (Rail Centrepiece) Basel	--	PA	1, 3	CH
2018 - now	Tunnel Euralpin Lyon-Torino (TELT)	57000	LL, PA, PZ	1, 2, 3, 4, 5, 11, 16, 17, 21	FR/IT
2017 - now	New Rail Link Aarau-Zurich	30000	VA	1, 7, 8, 9	CH
2014 - now	Vaestlaenken Project Goeteborg	6000	HQ, LL	1, 3, 5, 16, 17, 21	SE
2013 - now	Underground Station Bern, Bern-Solothurn Line (RBS)	--	TL, PA	1, 16, 17, 21	CH
2013 - now	Grimselbahn (2 Tunnels)	6919 and 14588	LL, RW	1, 5, 12, 16, 17, 21	CH
2011 - now	Flughafen Tunnel Zurich	1000	TL	1, 12	CH
2010 - now	Station Isartor, Commuter Rail Munich	4000	TL	1, 19	DE
2010 - now	Hauenstein Base Tunnel	8000	TL, NL	1, 3, 12, 15, 16, 17, 21	CH
2009 - now	New Rail Link Zagreb-Rijeka (14 Tunnels)	Total of 57000	NL, LL	3, 16, 17, 21	HR
2007 - now	Simplon Tunnel	19800	NL, TL	1, 3, 4, 5, 8, 12, 13, 16, 17, 20, 21	CH/IT
2007 - now	Sihltal-Zurich-Uetliberg Rail (SZU)	1300	LL	1, 3, 8, 11, 12, 14, 16, 20	CH
2006 - now	Nant de Drance	5500	LL RW	1, 7, 8, 9, 11, 12, 13, 21, 22	CH
2004 - now	Nuclear Waste Deposit NAGRA	>43000	PA	1, 21	CH
2003 - now	Hydropower Stations Grimsel	Total of 160000	TL, LL, PA, PZ	1, 14, 15, 21	CH
2002 - now	Brenner Base Tunnel	64000	AB, LL, PA, PZ, RB, RW, TL	1, 3, 5, 6, 8, 11, 12, 13, 14, 15, 16, 17, 21	AT/IT
2002 - now	Loetschberg (Crest) Tunnel	14600	NL	1, 12, 21	CH
1998 - now	Rail Project Stuttgart 21	Total of 50000	LL, PA	3, 5, 8, 14, 15, 16, 17, 21	DE
1997 - now	Fehmarnbelt Tunnel	18100	AB, LL, TL	1, 3, 16, 17, 21, 22	DE/DK
1996 - now	Zimmerberg Base Tunnel	22100	RW, LL	1, 3, 7, 8, 16, 17	CH
1994 - now	Furka Tunnel	15000	LL	7, 8, 9, 12, 21, 22	CH
1991 - now	Gotthard Base Tunnel	57000	LL, PA, PZ, RB, RW, TL	1, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	CH
1991 - now	Loetschberg Base Tunnel	35000	LL, PA, PZ, RB, RW, TL	1, 3, 5, 6, 8, 11, 12, 13, 14, 15, 16, 17, 20, 21	CH
2025	Q-Express High Speed Rail	43000	--	3, 16	SA
2025	High Speed Rail Project Abu	25000	LL, PA	3	AE

	Dhabi - Dubai				
2025	Grenchenberg Tunnel	8600	TL	1, 12, 13, 21	CH
2025	Tunnel Morges-Perroy	8000	--	3	CH
2025	Line U9 South, Subway Munich	6000	NL, PA, RW	1, 16, 17	DE
2025	New Rail Link Wendlingen-Ulm	2000	--	3, 12	DE
2025	Calberlah Tunnel	965	TL	1	DE
2024 - 2025	Line U5, Subway Vienna	--	PA	1, 8, 9	AT
2024 - 2025	Airport Line Helsinki	30000	--	3, 16	FI
2024 - 2025	Metro Grand Paris Ligne 15	7000	LL	1, 3, 5, 16	FR
2024 - 2025	High Speed Line 2690, Cologne-Rhine/Main (several Tunnels)	Total of 4500	TL	1, 15	DE
2023 - 2025	Subway Munich, Station Odeonsplatz	--	--	1, 20	DE
2023 - 2025	Hydropower Stations Sousbach, Isenfluh / Lauterbrunnen	3187	VA	1, 21	CH
2023 - 2025	Hydropower Station Trift	2000	LL, NL	1,	CH
2023 - 2025	Cargo Sous Terrain (Underground Freight Line)	70800	VA	1, 2, 3, 5, 8, 22	CH
2021 - 2025	NEOM Spine	31000	HQ, LL, PA, RB, RW	1, 2, 3, 5, 7, 8, 9, 16	SA
1998 - 2025	Ceneri Base Tunnel	15400	LL, RW, TL	1, 3, 5, 6, 8, 12, 13, 14, 15, 16, 17, 18, 21	CH
2024	AlUla Sharaan 1 Desert Resort	--	TL	1, 21	SA
2024	Station Fraunhoferstrasse, Subway Munich	--	--	1, 20	DE
2024	Station Merklingen	--	--	1, 6, 21	DE
2024	Tunnel Stuttgart City (Commuter Rail)	9400	TL	1, 16	DE
2024	New Rail Link Aelvsjoe	8000	LL	1	SE
2024	Tunnel Terzo Valico, Highspeed Line Genova-Milano	1800	TL	1	IT
2023 - 2024	Drainage Tunnel Ostermundigen-Wankdorf	2000	LL, NL	1	CH
2023 - 2024	Hydropower Station Fionnay/Grande Dixence	30	NL	1, 2, 16, 17, 21	CH
2022 - 2024	Future Circular Collider CERN	90000	QL, RB	1, 2, 17, 21	CH
2021 - 2024	Metro Grand Paris Ligne 18	6000	LL, PA, PZ	1, 19, 21	FR
2018 - 2024	Station Enge, Zurich	903	TL	1, 16	CH
2015 - 2024	Salt Mine Bex	Total of 10000	LL, PZ	1, 8, 11, 12, 13, 20, 21	CH
2023	Mogalakwena Mine	14000	TL	1, 2	ZA
2023	East River Tunnel, New York	2000	--	1	US
2023	Tunnel Reckenberg	820	--	3, 9, 17	CH
2023	Joint Cavern Development at Anderson Road Quarry	800	TL	1, 3, 16, 21	HK

2022 - 2023	Feasibility Study Underground Rail Connection	--	VA	1	DE
2022 - 2023	Etihad Rail Stage 2 Project	1700	NL	1, 3, 16	OM
2022 - 2023	Waterfront East Light Rail Tunnel (LRT)	760	--	1	CA
2020 - 2023	Drainage Tunnel Brienz	1747	RW	1	CH
2019 - 2023	Bruettener Tunnel	8300	RW	1, 3	CH
2019 - 2023	Line A, Subway Frankfurt	5500	NL	1, 3, 4, 16, 17	DE
2022	New Rail Link Jaerna- Linkoepping	8000	NL, TL, VA	1, 2, 3, 4, 5, 7, 16, 17, 21	SE
2022	Karnainen Tunnel, Lohja	2208	--	3	FI
2022	Diamond Hill Service Reservoir Caverns	800	TL	1, 3, 16, 21	HK
2022	Station Opfikon, Zurich	250	TL	1, 21	CH
2021 - 2022	Line Extension Daglfing- Johanneskirchen, Munich	2500	NL	1, 9, 16, 17	DE
2020 - 2022	Main Station Munich	--	NL	21, 22	DE
2020 - 2022	Maelarbanan Stockholm	3000	LL	1, 19	SE
2020 - 2022	Forch Rail, Zumikon	1800	LL TL	1, 3, 20	CH
2018 - 2022	Tunnel Lausanne- Chauderon-Union-Prilly	2000	LL, PA	1, 3, 4, 11, 12, 13, 16, 21	CH
2006 - 2022	Hydropower Connection Tunnel, Innertkirchen	608	--	1, 3, 8	CH
2021	Aerodynamic Load on Cable Supports in Rail Tunnels	--	--	3, 22	CH
2021	Subway Monaco	6000	LL, QL	1, 8, 21, 22	MC
2021	Hydrogen Leakage in High Speed Rail Tunnel	4500	--	3, 8, 16, 17, 23	FR
2021	Commuter Rail Rhine-Main Underground Station Frankfurt Ost	210	RB	1	DE
2020 - 2021	Sha Tin Sewage Treatment Works (STW)	--	TL	1, 3, 4, 5, 16, 21	HK
2020 - 2021	Line 4250 (Offenburg- Konstanz)	912	TL	1, 16	DE
2020 - 2021	Adit North Station Stadelhofen	400	NL	1, 8, 9, 22	CH
2019 - 2021	New Water Supply Oslo	--	TL	1, 3, 5, 16, 21	NO
2019 - 2021	Rautatietunnelit	5275	--	3	FI
2019 - 2021	Tunnel Sankt Goar	900	TL	1, 12	DE
2004 - 2021	Tunnel Jungfraubahn	>7000	PA	1, 8, 12, 13, 14, 15, 21	CH
2020	High Speed Rail Link Nice- Monaco	10000	LL PO	1, 8, 11, 21	FR
2019 - 2020	Wind Tunnel Technical University Braunschweig	--	QL	1, 2, 3, 4, 5, 16, 17	DE
2019 - 2020	Cavern Project Daerliggrat	--	TL	1	CH
2019 - 2020	New Rail Link Koper	--	--	3	SL
2019 - 2020	High Speed Line 1733 Goettingen-Kassel	10525	NL	1, 16, 20	DE
2019 - 2020	Schiphol Tunnel	5100	--	3, 17, 21	NL
2019 - 2020	Line 2200 Muenster-	580	NL	1	DE

	Osnabrueck, Tunnel Lengerich				
2018 - 2020	Commuter Rail Project Buenos Aires	--	--	21	AR
2018 - 2020	Varberg Tunnel	3100	NL	1, 3, 7, 8, 16, 17, 21, 22	SE
2018 - 2020	Wildlife Overpass, Austrian Rail	290	NL	3	AT
2016 - 2020	California Highspeed, Palmdale-Burbank Tunnel	Up to 35000	PA, PZ, LL	1, 3, 5, 16, 17, 21	US
2012 - 2020	Magnetic Levitation Line Washington-Baltimore (SCMAGLEV)	20000	LL	2, 5	US
2011 - 2020	Qatar Integrated Railway Project (Metro Doha, Long Distance Network)	130000	HQ, PA, PZ, LL	1, 2, 3, 5, 16, 17, 21, 22	QA
2019	High Speed Line 4080 Mannheim-Stuttgart	7065	TL	1	DE
2019	Tunnel Aareschlucht	1500	TL	1, 21	CH
2018 - 2019	Station Geneva Airport	--	NL	3, 17, 21	CH
2018 - 2019	Hoffnungsthal Tunnel	1088	NL	1	DE
2018 - 2019	Morogoro-Makutupora Railway	1077	NL	2, 8	TZ
2018 - 2019	Cornberg Tunnel	719	NL	1	DE
2017 - 2019	High Speed Line 1733 Hannover-Juehnde	--	NL	1, 3, 5, 16	DE
2018	Rogun Dam Underground Structures, Dushanbe	2500	RW	1	TJ
2018	Hudson River Tunnel Project, New York	4400	LL, PZ, PA	1	US
2017 - 2018	Boezberg Tunnel	2500	TL	1	CH
2012 - 2018	New High Speed Link (HS2, several Tunnels)	1600 to 16000	LL, PA, PZ	1, 3, 5, 16, 17, 21	UK
2017	Aerodynamic Load on Pantograph High Speed Train	--	--	3, 12, 21	AT
2016 - 2017	Metro Melbourne Rail Project (Tender)	9000	HQ, PA, PZ, LL	1, 3, 5, 16, 17, 21	AU
2014 - 2017	New High Speed Rail Link Erfurt-Hallstadt (incl. 10 Rescue Tunnels)	330 to 2500	RW	1, 22	DE
2004 - 2017	Mobile Tunnel Ventilation	--	LL	1, 12, 13, 14, 15, 21	CH
2016	Heitersberg Tunnel	4945	NL	16, 17, 21	CH
2016	Rosshaeusern Tunnel	2000	RW	1, 22	CH
2016	Bruxelles Jonction Nord-Midi (Tender)	1928	PA, LL	1, 16, 17, 21	BE
2016	Vereina Tunnel	19000	LL	1, 8, 22	CH
2016	Connection Tunnel Zurich West	2300	LL	1, 21	CH
2011 - 2016	Airport Station Zurich	3000	HQ	3, 12, 16, 17,	CH
2010 - 2016	Pumped-Storage Power Station Linth-Limmern	>10000	TL, LL	1, 12, 15, 21, 22	CH
2009 - 2016	Metro Copenhagen	15500	HQ, PA, PZ,	1, 16, 17, 21	DK

2008 - 2016	Cityringen (Tender) Tunnel Eppenberg	3000	LL NL, RW	3, 16, 17, 21, 22	CH
2005 - 2016	New Light Rail Links (Mobilitaetsdrehscheibe) Augsburg	--	HQ	1, 8, 16, 17, 21	DE
2015	Awash-Kombolcha-Hara Gebaya Link (several Tunnels)	<2000	LL	1, 21	ET
2015	Lusail Light Rail Doha	10000	PA, PZ, LL	1, 3, 5, 16, 17, 21	QA
2015	Follo Line	22000	TL	1, 21	NO
2015	Forrestfield-Airport Link (Tender)	5000	HQ, PA, PZ, LL	1, 16, 17, 21	AU
2011 - 2015	Aerodynamics of generic High Speed Tunnel	35000	--	3, 16, 17, 21	KR
2008 - 2015	Highspeed Rail Tunnels in Sweden (several Tunnels)	--	NL	3, 16, 17, 21	SE
2014	Delhi Metro Line 8	10500	HQ, PA, PZ	1, 2, 21, 22	IN
2009 - 2014	Mine Laentigen	>10000	TL, LL	1, 21	CH
2009 - 2014	Utility Tunnel Waste Incineration Plant Bern (several Tunnels)	70 to 600	NL, LL	1, 5, 14, 15, 16, 17, 21	CH
2013	Xayaburi Hydro Power	650	LL	1, 21	LA
2010 - 2013	Pir Panjal Tunnel	11000	LL	1, 11, 16, 17, 22	IN
2005 - 2013	CEVA Cornavin – Eaux- Vives – Annemasse	9000	NL	1, 3, 8, 16, 17, 21	CH/FR
1991 - 2013	New Rail Link (Durchmesserlinie) Altstetten-Zurich (Main Station Zurich to Oerlikon)	9560	PA, RB, RW	1, 21, 22	CH
2012	Channel Tunnel (Eurotunnel)	50450	LL, PA, PZ, RW	1, 22	FR/UK
2012	Risk Analysis Cross Wind Rail Lines	--	--	3, 7, 21	CH
2012	Simandou Project (3 Tunnels)	1500 to 12000	LL	1, 22	GN
2012	Rail Link Vienna-St. Pölten (7 Tunnels)	663 to 13356	NL	3, 12	AT
2011 - 2012	Metro Panama Line 1	7500	PA, PZ, LL	1, 3, 5, 16, 17, 21	PA
2011 - 2012	Station Allmend Lucerne	--	HQ	1, 13, 21	CH
2009 - 2012	Metro Singapore Downtown and North-South Line	Total of 31200	TL, PA, PZ	1, 22	SG
2008 - 2012	Katzenberg Tunnel	570	LL	1, 3, 12, 22	DE
2007 - 2012	Metro Athens Line 2 and 3	5000	HQ, PA, PZ	1, 3, 5, 16, 17, 21	GR
2004 - 2012	Brenner (Zulaufstrecke) North	>34000	TL	1, 3, 16, 17, 21	AT
2011	Chestenberg Tunnel	7800	NL	3, 16, 17	CH
2011	Stans Tunnel (Westbahn)	630	NL	3, 16, 17, 21	AT
2011	Aerodynamics of New High Speed Trains in Base	--	--	3, 16, 17, 21	DE

2010 - 2011	Tunnels Cable Tunnels Mushriff- Mamzar-Nahda Dubai	15000	LL, PZ, FA	1, 5, 16, 17, 21	AE
2010	Stations Isartor and Rosenheimer Platz, Commuter Rail Munich	--	HQ	1, 21	DE
2010	Gotthard (Crest) Tunnel	15000	NL	3, 12, 16, 17	CH
2010	Linea Torino-Ceres	3000	HQ	7, 8, 16, 17, 21	IT
2009 - 2010	Metro Kolkata East-West Connection (Tender)	12600	HQ, PA, PZ	1, 21	IN
2009 - 2010	Semmering Base Tunnel	27000	RB, PZ, LL	1, 22	AT
2009 - 2010	Metro Sydney Line 1 (Tender)	7000	HQ, PA, PZ, LL	1, 16, 17, 21	AU
2008 - 2010	Transandino Central Tunnel	52000	LL, PA, PZ, RW	1, 3, 5, 8, 16, 17, 21	RA/RC
2006 - 2010	Tunnel Engelberg	4000	LL	1, 12, 14, 15, 16, 17, 21	CH
2006 - 2010	Diabolo Project Bruxelles	4100	HQ, PA, PZ	1, 3, 8, 16, 17, 19, 21	BE
2009	Tunnel Alabastieg (New Rail Link Wendlingen-Ulm)	6000	TL, NL	1, 21	DE
2009	Metro Barcelona Line 9	42000	HQ, PA, PZ	1, 16, 17, 21	ES
2009	Metro Budapest Line 4	7400	HQ, PA, PZ	7, 21, 22	HU
2008 - 2009	Pressure Tightness Druckdichtigkeit Double- Decker Trains	1600 to 56000	--	3, 16, 17, 21	CH
2008 - 2009	Gautrain Rapid Rail Link	15000	HQ, PA, PZ	1, 3, 5, 22	SA
2008 - 2009	Mobile Tunnelventilation RhB	--	LL	1, 14, 15, 21	CH
2007 - 2009	Connection Tunnel Mine Rüti	1000	TL	1, 14, 15, 21	CH
2007 - 2009	Tunnel Prag - Beroun	25000	LL, PA, PZ, RW	1, 3, 9, 16, 17, 21	CZ
2004 - 2009	Station Marienplatz, Subway Munich	--	PA	1, 14, 15, 16, 17, 21	DE
2008	Berapit Tunnel	3000	LL	1, 8, 21	MY
2008	Larut Tunnel	400	NL	1, 8, 21	MY
2008	Aerodynamics High Speed Train (AGV)	--	--	3, 12, 21	FR
2008	Velsen Tunnel	2100	NL	1, 3, 16, 17, 21	NL
2007 - 2008	Liefkenshoek Tunnel	6700	LL, PZ	1, 16, 17, 21	BE
2007 - 2008	Beveren Tunnel	1200	LL, PZ	1, 16, 17, 21	BE
2005 - 2008	Subwa Tunnel Karlsruhe	3400	HQ	1, 21	DE
2007	Soumagne Tunnel	6500	LL	1, 21	BE
2007	Walhorn Tunnel	1000	LL	1, 21	BE
2007	Training Tunnel Balsthal	>300	LL, PA, PZ	1, 21	CH
2007	Hardtberg Line Bonn (Light Rail)	1400	NL	1, 21	DE
2007	Hydropower Station Innertkirchen	4100	TL, LL	1, 21	CH
2007	Tunnel Rastatt	5900	RW	1, 21	DE
2007	Sihl Tunnel Zurich	1500	TL	1, 21	CH
2007	Rail Tunnels in Finland	500 to 10000	NL	3, 16, 17, 21	FI
2007	Aerodynamics on	--	--	3, 12, 21	CH

2007	Pantograph in Tunnels Working Group Magnetic Levitation Tunnel (Facharbeitskreis Magnetbahntunnel)	--	--	1, 3, 5, 8, 21	DE
2006 - 2007	Training Tunnel Lungern	>300	LL, PA, PZ	1, 21	CH
2006	Suvarnabhumi Airport Rail Link	--	HQ	1, 21, 22	TH
1998 - 2006	High Speed Line Zuid	130000	NL	3, 5, 8, 16, 17, 21	NL
2005	Tunnel de Dijon	3300	NL	3, 16, 17, 21	FR
2005	Line U55, Subway Berlin	1800	TL	1, 21	DE
2004 - 2005	Magnetic Levitation Project (Magnetschnellbahn) Munich (MSB)	8700	NL	3, 5, 16, 17, 21	DE
1999 - 2005	Guadarrama Tunnel	28000	LL, RW	1, 3, 4, 5, 8, 16, 17, 21, 22	ES
2004	Jungang Line	>20000	NL	3, 8, 21	KR
2002 - 2004	Le Perthus Tunnel	8300	LL, RW	1, 3, 4, 16, 17, 21, 22	FR/ES
1996 - 2004	New High Speed Rail Link Bern–Olten (Bahn 2000)	45079	NL	3, 12, 15, 16, 17	CH
2003	Subway Stuttgart	6200	NL	8, 21	DE
1998 - 2003	Skymetro Airport Zurich	1138	PA, PZ	1, 14, 15, 21	CH
2002	Subway Bonn	8720	PA	1, 16, 17, 21	DE
2002	Deposit Laufengraben	500	NL	1, 12, 21	CH
2002	Connection Tunnel Tscharner	2325	NL	1, 12, 21	CH
2001 - 2002	Wehrhahn Line Duesseldorf (Main Line 3, Subway)	3400	PA	1, 21	DE
2001 - 2002	Parramatta-Chatswood Rail Link (Epping-Chatswood Rail Line) Sydney	12300	PA, PZ	1, 16, 17, 21	AU
2001	MRT Bangkok (Blue Line)	22000	PA, PZ	3, 5, 16, 17, 21	TH
2001	Airport Station (Flughafen Fernbahnhof) Frankfurt	--	PA, RW	1, 21, 22	DE
1996 - 2001	Grauholz Tunnel	6295	NL	3, 12, 16, 17	CH
2000	Substation Monbijou	--	--	3, 4, 11, 21	CH
1999	Young Dong Railroad Tunnel	16300	PA, PZ, RW	1, 7, 16, 17, 21	KR
1999	Bologna Centrale	--	HQ, RW	1, 21, 22	IT
1998	Bijlmer Station Amsterdam	--	NL	3, 16, 17, 21	NL

Code Code Code Codice	Deutsch	English	Français	Italiano
	System	System	Système	Sistema
--	Weder Lüftungs- noch Brandbekämp- fungssystem	Neither ventilation nor fixed fire-fighting system	Ni ventilation ni système fixe de lutte contre l'in- cendie	Né ventilazione né si- stema antincendio fisso
AB	Automatische Brandbekämpfungs- anlage (Wasserne- bel, Sprinkler)	Fixed fire-fighting system (water mist, sprinkler)	Système fixe de lutte contre l'incendie (brouil- lard d'eau, arrosage)	Sistema antincendio fisso (nebbia d'acqua, sprinkler)
FA	Luftfilteranlage	Air-filtration system	Système de filtration d'air	Sistema di filtraggio dell'aria
HQ	Halbquerlüftung	Semi-transversal ventilation	Ventilation semi-trans- versale	Ventilazione semi-tra- versale
LL	Längslüftung	Longitudinal ventila- tion	Ventilation longitudinale	ventilazione longitudi- nale
NL	Natürliche Lüftung	Natural ventilation	Ventilation naturelle	Ventilazione naturale
PA	Punktuelle Absau- gung	Point extraction	Extraction ponctuelle	Estrazione puntuale
PO	Portalluftabsaugung	Portal-air extraction	Extraction de l'air au portale	Estrazione dell'aria al portale
PZ	Punktuelle Zuluft	Punctual fresh-air supply	Alimentation d'air frais ponctuelle	Alimentazione d'aria fresca
QL	Querlüftung	Transversal ventila- tion	Ventilation transversale	Ventilazione trasver- sale
RB	Rauchabsaugung am Brandort	Smoke extraction at the location of the fire	Extraction de fumée sur le lieu de l'incendie	Estrazione del fumo sul luogo dell'incendio
RL	Heizung, Lüftung und Klima von Zent- ralen	Heating, ventilation and air conditioning of technical rooms (HVAC)	Chauffage, ventilation et climatisation des locaux techniques	Riscaldamento, venti- lazione e aria condizio- nata dei locali tecnici
RW	Rettungswegbelüf- tung und/oder Über- druckbelüftung bzw. Lüftung von unterir- dischen Anla- gen//Stollenbelüf- tung	Escape route venti- lation and/or over pressurisation resp. ventilation of under- ground structures	Ventilation et/ou sur- pression des galeries de sécurité resp. ventilation des ouvrages souter- rains	Ventilazione e/o sovra- pressione di via di fuga resp. ventilazione di strutture sotterranee
TL	Temporäre Lüftung: Baulüftung, Bewet- terung, Kühlung, mobile Lüfter	Temporary ventila- tion: construction site ventilation and/or cooling, mo- bile fans	Ventilation temporaire : ventilation et/ou refroi- dissement de chantier, ventilateurs mobiles	Ventilazione tempora- nea: ventilazione e/o raffreddamento di can- tieri, ventilatori mobili
VA	Varianten	Variants	Variantes	Varianti

Code Code Code Codice	Deutsch	English	Français	Italiano
	Dienstleistung	Service	Service	Servizio
1	Lüftung	Ventilation	Ventilation	Ventilazione
2	Kühlung	Cooling	Refroidissement	Raffreddamento
3	Aerodynamik	Aerodynamics	Aérodynamique	Aerodinamica
4	Fluiddynamik	Fluid dynamics	Dynamique des fluides	Fluidodinamica
5	Thermodynamik	Thermodynamics	Thermodynamique	Termodinamica
6	Umweltphysik	Environmental physics	Physique environnemen- tale	Fisica ambientale
7	Risikoanalyse	Risk assessment	Analyse des risques	Analisi dei rischi
8	Sicherheit/Sicherheitsprüfung	Safety/Safety inspection	Sécurité/Contrôle de sécurité	Sicurezza/Controllo di sicurezza
9	Flucht-, Rettungskonzept	Escape and rescue plan	Concept d'évacuation et de sauvetage	Piano di fuga e salvataggio
10	Untersuchungsstelle	Investigative body	Organisme d'enquête	Organismo di controllo
11	Elektromechanische Ausrüstung	Electromechanical equipment	Équipement électromécanique	Attrezzatura elettromeccanica
12	Messung	Measurement	Mesure	Misurazione
13	Versuch	Test	Test	Prova
14	Inbetriebsetzung	Commissioning	Mise en service	Messa in funzione
15	Abnahme	Acceptance test	Réception	Collaudo
16	Numerische Berechnung	Numerical calculation	Calcul numérique	Calcolo numerico
17	Simulation, Visualisierung	Simulation, visualisation	Simulation, visualisation	Simulazione, visualizzazione
18	Tunnel-Lüftungs-Simulator	Tunnel ventilation simulator	Simulateur de ventilation de tunnel	Simulatore di ventilazione in galleria
19	Steuerung	Control	Commande	Controllo
20	Sanierung	Refurbishment	Rénovation	Ristrutturazione
21	Beratung	Consulting	Consultation	Consulenza
22	Gutachten	Expert opinion	Expertise	Perizia
23	Forschung	Research	Recherche	Ricerca