

References		Conveyor belt systems								
Project	Country	Client	Excavation method	Transport length	Curve radius	Belt width	Capacity	Power	Quantity	Drawn up
				[m]	[m]	[mm]	[t/h]	[kW]	[t]	
Brenner Süd	IT	Brennero Tunnel Construction	TBM	65 911	400	650 - 1600	300 - 1600	10310		2018
Gubristunnel	CH	ARGE Marti Gubrist	SPV	595		1000	500	330		2018
Lötschberg renewal rail track	CH	Marti Tunnel AG		724	1000	650/800	80/200	81		2018
Stormwater DS 233 Dubai	VAE	PORR - SIX Construct JV	TBM EPB	10 490	400	800/1000/1600	700	1805		2018
West Gate Melbourne	AUS	CPBJH JV	TBM EPB	7 490	1474	1200	2500	3614	1 100 000	2018
Bözberg tunnel	CH	Implenia	TBM	4 755	460	1000 / 1200	1500	1183		2017
Hartford CT	US	Kenny/Obayashi IV A JV	TBM	6 600	365	800	500	690		2017
Nodo di Palermo	IT	Consorzio Stabile SIS	TBM	2'260	875	800 / 1000	800	287		2017
Oberegg Jura-Cement Fabriken	CH	Richi		2 354		1000	600	927		2017
Santa Lucia	IT	Pavimental	TBM	9 300	825	1400	1750	3700		2017
Semmering Grautschenhof	AT	ARGE SBT 3.1 Grautschenhof		1 496		800	800	472		2017
Tamagawa	JP	Obayashi	TBM EPB	5'797	300	650	200	385		2017
Tokyo B&F Ramps	JP	Obayashi	TBM EPB	2'017	800	800	650	850		2017
Ceneri Kiesentlad	CH	ARGE Beton Mons Ceneris		154		800	600	86		2016
Eppenberg	CH	ARGE MBW Eppenberg	TBM	2 543		650 - 1 000	400 - 1 550	871		2016
Follo Line	NO	Acciona Ghella JV	TBM	40 638	4 000	1 000/1 400	850/2 000	8 678		2016
Metropolitana Catania	IT	C.M.C. di Rivenna	TBM	2 772		1 000	800	531		2016
Yili River L3	CN	Sinohydro B3	TBM	18 000		1 000	800	1 890	1 800 000	2016
Yili River L4	CN	Sinohydro B18	TBM	18 140		800	650	1 640	1 875 000	2016
Alto Maipo Alfalfal	CL	Strabag	TBM / D&B	10 830	1 000	650	320	692	421 460	2015
Alto Maipo Las Lajas	CL	Strabag	TBM	10 960	1 000	800	650	1 250	1 013 600	2015
ARA Steih	CH	ARGE MZ Hüngingen		78		800	350	67		2015
Belchentunnel	CH	ARGE Marti Belchen	TBM	4 350		1 000	1 000	1 400	1 266 900	2015
Extension Ampass	AT	ARGE Tulfes-Pfons		1 864		1	300	177		2015
Huangeng	HK	Guangzhou Herrenknecht Tunneling Machinery	TBM	4 879	1 200	1 000	1 000	1 165	816 100	2015
Koralmtunnel KAT3	AT	Porr Bau GmbH	TBM	13 596		800/1 000	1 150	1 242		2015
Liantang	HK	Dragages	TBM	5 956	324	1 200/1 400	1 600	1 777	2 193 600	2015
Passante di Firenze II	IT	ERGON JV	TBM	11 922	306	800/1 200	650	1 020	1 906 200	2015
Aposelemis Kreta	GR	International Tunneling Services GmbH	TBM	3 548	1 000	650	300	400	167 750	2014
Koralmtunnel KAT3	AT	Porr Bau GmbH	D&B	11 240	3 000	800/1 000	300	1 075	850 000	2014
Paris Metro Line 12	FR	Dodin Champenon Bernard		262		650	300	108		2014
Polcevera	IT	Consorzio COCIV	TBM	1 810		800	900	330	330 950	2014
Silvan Babakaya	TR	Unal Akpınar Insaat	TBM	5 400		800	800	800	661 700	2014
Sisto Sachseln	CH	Marti Tunnelbau AG	TBM	5 272		500	200	330	174 220	2014
Tuen Mun I	HK	MS Societe	TBM	120		800	1 000	80		2014
Tuen Mun II	HK	Dragages-Bouygues JV	TBM	120		1 200	1 800	150		2014
Bärenwerk	AT	Marti GmbH Graz	TBM	3 100	500	500	250	110	77 620	2013
Caltanissetta	IT	Empedocle 2 S.c.p.a.	TBM	8 280	1 460	1 200	1 800	1 065	3 489 200	2013
Evergreen	CA	SLCW-SELI Joint Venture	TBM (Caterpillar)	2 000	396	1 000	1 050	200	382 550	2013
Fréjus Downhill	FR	Sitalfa S.p.A.		245		1 000	1 050	250		2013
Maddalena	IT	Venaus Società Consortile arl	TBM	7 461	1 000	800	700	1 000	509 950	2013
Rheinsaline	CH	Schweizer Rheinsalinen AG		25		650	200	11		2013
São Paulo Metro Line 5 Los 3	BR	Consorcio Andrade Gutierrez-Camargo Correa	TBM	10 000	300	800	500	1 200	855 300	2013

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São Paulo Metro Line 5 Los 7	BR	Concorcio Metropolitano 5	TBM	5 870	300	1 000	1 000	1 015	1 169 500	2013
Scilla	IT	Terna Rete Italia S.p.A.	TBM	2 800	500	500	160	160	82 880	2013
SCL 1103 Hong Kong	HK	VINCI Grand Projects	D&B	80		800	350	30	356 700	2013
Solbakk	NO	Marti IAV Solbakk DA	D&B	8 257	1 120	800	500	1 595	1 642 500	2013
Stuttgart 21 Dumpsite conveyor	DE	Arge ATCOST21	D&B	330		1 000	1 200	225		2013
Vinci Hong Kong Metro	CN	Marti Technics Ltd.		80		800	350	30		2013
Brenner base tunnel (Aica)	IT	Consorzio Brennero 2011 S.R.L.	D&B	10 800	400	800	500	720		2012
Brenner base tunnel (Ampass)	AT	ARGE Fensterstollen Ampass	-	565	150	800	100	90		2012
Choindez tunnel	CH	Marti Tunnelbau AG	D&B	4 760	800	800	500	487	910 000	2012
Ecuador	EC	Sinohydro Corporation Ltd.	TBM	26 900	500	1 000	1 000	3 130	3 537 300	2012
Genale Project	ET	Qinhuangdao Tianye Tolian Heavy Industry Ltd	TBM	12 100	500	1 000	1 000	1 620	1 520 500	2012
Inelfe	FR	HVDC Tunnel GEIE	TBM	6 000	1 500	650	260	300	155 000	2012
Rheinsaline Saldome 2	CH	ARGE Marti-Bitterli		275		800	3 920	70		2012
Tabellout	DZ	GEIE-RAZEL-CMCRA-Tabellout		418		1 000	1 100	110		2012
Ulu Jelai	MY	S.E.L.I. SPA	TBM	8 400	-	650	200	470		2012
Koralm tunnel KAT2	AT	Strabag AG		260		1 600/1 000	1 000	790		2011
Kramer tunnel	DE	ARGE EKS Kramertunnel	D&B	2 600	600	800	300	261	245 000	2011
Milchbuck tunnel	CH	Marti Tunnelbau AG	TBM	1 200	500	500/1 000	200	140	38 000	2011
Sparvo tunnel Lot A	IT	Toto Costruzioni Generali S.p.A.	TBM	1 934	1 400	1,000	1 500	800		2011
Sparvo tunnel Lot B	IT	Toto Costruzioni Generali S.p.A.	TBM	1 094		800-1 200	800	370		2011
Fréjus tunnel	FR	Razel S.A.S.	TBM	6 330	650	1 000	600	710	1 200 000	2010
Nant de Drance	CH	Groupement Marti Implenla GMI	TBM	5 540	800	1 000	1 000	2 170	1 050 000	2010
Pumped storage power station "Limmern"	CH	ARGE Kraftwerk Limmern	D&B / TBM	2 500		800	600	1 550		2010
Bibratunnel	DE	ARGE Bibratunnel	D&B	5 400		800	500	710		2009
Crevola Toce III	IT	S.E.L.I. SPA	TBM	6 000	500	650	200	310	85 900	2009
Disposal site Goler	CH	ARGE Goler A9		3 600	500	1 000	800	1 100		2009
Eyholz tunnel	CH	ARGE Haupttunnel Eyholz	D&B	3 100	724	1 000	800	600		2009
Railway station of Zurich	CH	ARGE Betonbau und Logistik		300		800	400	52		2009
Tsuen Wan Drainage	HK	Maeda-CREC-Seli JV	TBM	5 200	255	800	525	510	420 000	2009
West Drainage Ost	HK	Dragages-Nishimatsu JV	TBM	4 015	300	800	550	360	200 000	2009
West Drainage West	HK	Dragages-Nishimatsu JV	TBM	6 400	300	1 000	750	810	400 000	2009
Brenner base tunnel	IT	S.E.L.I. SPA	TBM	10 500	400 / 500 / 1 200	800	450	720	304 500	2008
Bure tunnel	CH	Groupement Tunnel de Bure	TBM	2 900		1 000	1 250	500		2008
Gautrain Rapid Rail Link	SA	Bombela Civils Joint Venture	TBM	3 000		800	450	250		2008
Gravel processing plant in Finsterhennen	CH	Vibeton Kies AG		660		650	160	70		2008
Jinping-II Hydropower Station	CN	Ertan Hydropower Development Company Ltd.		14 000	1 100	1 200	2 x 2 800	2 x 2 800	11 000 000	2008
Jinping-II Hydropower Station	CN	Herrenknecht GmbH	TBM	14 700		1 200	1 800	2 800	4 440 000	2008
Melbourne Northern Sewerage Project	AUS	John Holland PTY Ltd.	TBM	70		1 000	160	75		2008
Sydney Water Desalination Plant	AUS	Blue Water JV	TBM	5 000	500	500	240	2 x 220		2008
Variante di Valico	IT	TODINI S.p.a.	D&B	1 300	215	800/1 000	800	110/55/110	3 000 000	2008
Castle Peak Cable Tunnel	HK	Dragages Civil Works, North Point	TBM	4 650	2 500	650	370	400	300 000	2007
Otogar-Bagcilar Metro Line Istanbul	TR	Gülermak Dogus Joint Venture	TBM	7 200	400	800	500	2 x 330		2007
Palace Lugano	CH	Mancini + Marti SA		180		800	500	80	300 000	2007
Spillvattentunnel	SE	Beton- und Monierbau GmbH	D&B	470		800	200	160	210 000	2007
Glendoe hydro power scheme	UK	HochTief Glendoe Joint Venture		1 555	400	800	400	422	534 000	2006
Gravel processing plant "Léchire"	CH	Léchire SA		350		800	400	50	800 000	2006

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Metro Sao Paulo	BR	S.E.L.I. SPA	TBM	7 860	300	800	800	890	1 400 000	2006
Tunnel Bracons	ES	Marti Iberica	TBM	4 400	800	500	250	110	180 000	2006
Venaus tunnel	IT	CMC/Strabag	TBM	7 000	600	800	700	500	650 000	2006
Hallandsås Project	SE	Skanska-Vinci HB	TBM	7 900		1 000	1 000	965	1 600 000	2005
Katzenbergtunnel	DE	ARGE Katzenberg	TBM	18 000		800	900	2 x 1 065	4 200 000	2005
Katzenbergtunnel	DE	ARGE Katzenberg		2 500		1 000	1 300	1 234	4 200 000	2005
Perschling tunnels	AT	Strabag	TBM	2 900		1 000	1 500	660	1 700 000	2005
Perthus tunnel	GB/FR	A.E.I.E. Perthus	TBM	17 300		1 000	1 300/2 600	2 x 1 420	3 000 000	2005
Perthus tunnel	GB/FR	A.E.I.E. Perthus		600		1 000/1 200	1 300/2 600	910	3 000 000	2005
Islisbergtunnel	CH	IBT	TBM	5 000		800	1 100	800	2 600 000	2004
Islisbergtunnel	CH	IBT		700		1 000	1 100	489	2 600 000	2004
Maurice Lemaire	FR	Bouygues/Eiffage	TBM	6 750	250	800	500	382	500 000	2004
San Pedro tunnel	ES	UTE San Pedro	TBM	8 700		800	1 000	600	1 500 000	2004
Gotthard base tunnel, Amsteg	CH	ARGE Gotthard Nord	TBM	23 000		800	750	2 500	5 500 000	2003
Gotthard base tunnel, Amsteg	CH	ARGE Gotthard Nord	TBM	950		800	750	317	5 500 000	2003
Gotthard base tunnel, Faido	CH	Consorzio TAT Faido	D&B	2 730		800	300	633	1 800 000	2003
Gotthard base tunnel, Bodio	CH	Consorzio TAT Bodio	TBM	1 000		1 000	1 200	374	5 000 000	2001
Gotthard base tunnel, Buzza di Biasca	CH	Consorzio GM Lotto 506		3 750		800	700	550	2 500 000	2001
Graitery (Moutier)	CH	GTM		2 700		800	1 000	717		2001
Lötschberg base tunnel, Raron	CH	MaTrans Raron		1 750		800/1 000	1 000	542		2001
Lötschberg base tunnel, Raron	CH	MaTrans Raron	TBM	10 600		800	1 000	800	1 900 000	2001
Lötschberg base tunnel, Raron	CH	MaTrans Raron	D&B	4 500		800	500	400	800 000	2001
Lötschberg base tunnel, Raron (Goler+Riedertal)	CH	MBK Raron		3 600		800	1 000	1 750	2 700 000	2001
Moutier tunnel	CH	GTM	TBM	1 250		800	1 000	371	650 000	2001
Gotthard base tunnel, Faido-Cavienna	CH	ARGE GM Lotto 403		4 950	150	650	500	540	2 100 000	2000
Lötschberg base tunnel, Ferden	CH	ARGE Ferden	D&B	4 000	150	650	250	600	6 400 000	2000
Lötschberg base tunnel, Mitholz	CH	MBW Mitholz	D&B	7 700		800	600	3 008	6 000 000	2000
Lötschberg base tunnel, Steg	CH	MaTrans Steg		937		1 000	1 000	366	1 500 000	2000
Lötschberg base tunnel, Steg	CH	MaTrans Steg	TBM	9 000		800	1 000	600	1 500 000	2000
Zurich-Thalwil tunnel, "Bahn 2000"	CH	AZT	TBM	80	Elevator	1 600	1 100	440	2 310 000	1999
Bevaix ship loading station	CH	Buhler SA		970		800	500-800	270	1 500 000	1998
Gorgier tunnel	CH	GTG	TBM	4 800		800	1 100		1 300 000	1998
Gorgier tunnel	CH	GTG		460		800	1 100	787	1 300 000	1998
Murgenthal tunnel, "Bahn 2000"	CH	ATM	TBM	2 460		800	1 200		1 400 000	1996
Luzzzone increasing of dam	CH	Marti AG		480		div.	180		400 000	1995
Pomy tunnel	CH	CTP		2 190		1 000	1 000		1 200 000	1995
Pomy tunnel	CH	CTP	TBM	5 600	300	800	1 000	250	1 700 000	1994
Vereina South	CH	Arge Vereina Süd	D&B	220		div.	300		1 200 000	1992
Grauholtztunnel	CH	ARGE Grauholz	TBM	6 400	800	800	800	2 x 250	1 800 000	1989
			Total	730 684				Total	138 883 880	