



Some of our ongoing projects include:
 Melbourne Metro (Australia), Aberdeen Harbour Expansion Project (Scotland), Dubai Deep Storm Water (United Arab Emirates),
 Grand Paris Ligne 16 (France), Metro Lovat 242 (Russia), Beijing Airport Line (China), High Speed 2 (UK), Eole (France)

Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
NORTH AMERICA											
Canada											
	2013	Edmonton 4	Caterpillar Tunneling	Edmonton	Water	3 060	3 492	216	1 000		CBE carousel
	2011	TTC Spadina Subway	Munro Ltd.	Toronto	Subway	na	na	na	na	Double tie	stationary
		TTC Eglinton	Munro Ltd.	Toronto	Subway	5 750	6 250	250	1 500		CBE double carousel
	2010	Coxwell	McNally Construction	Toronto	Sewer	2 744	3 124	190	1 210		stationary
	2009	Southeast Collector Trunk Sewer	Boucher Precast	TorontoYork	Sewer	3 000	3 400	200	1200		stationary
	2008	Edmonton 1	Lovat Inc.	Edmonton	Water	2 408	2 628	110	1 000		stationary
		Edmonton 2	Lovat Inc.	Edmonton	Water	3 340	2 940	200	1 000		stationary
		Edmonton 3	Lovat Inc.	Edmonton	Water	3 552	4 052	250	1 000		stationary
	2006	Bathurst Langstaff Trunk Sewer Tunnel	Bathurst Langstaff	Vaughan	Sewer	2 744	3 124	190	1 220		stationary
USA											
	2019	Westside 3	Traylor Precast LLC	Littlerock	Subway	6 198	6 858	330	1 524		CBE Carousel
	2019	Sillicon Valley Clean Water (SVCW)	Traylor Precast LLC	Oakland	Water	4 115	4 623	254	1 524		CBE Carousel
	2019	Westside 2	Traylor Precast LLC	Los Angeles	Subway	5 740	6 350	305	2 000		stationary
	2017	North East Boundary Tunnel - NEBT	Bay State Precast	Brandywine	Sewer	7 010	7 722	356	1 829		Client carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Hyperloop	Space Exploration Technologies	Los Angeles	Railway	3 658	4 115	229	1 524		stationary
	2015	Westside Subway Tunnel	Traylor Precast	Los Angeles	Subway	5 740	6 350	305	1 524		stationary
		LA Regional Connector	Traylor Bros. Inc.	Los Angeles	Subway	5 740	6 274	267	1 524		stationary
	2014	Anacostia River Tunnel	Bay State Precast	Washington DC	Water	7 010	7 620	305	1 829		CBE carousel
	2012	Alaskan Way	Drace - EnCon	Seattle	Highway	15 240	16 460	610	2 133		CBE carousel
		Blue Plains	Bay State Precast -Technopref	Washington DC	Water	7 010	7 720	355	1 829		CBE carousel
	2010	San Francisco Bay Tunnel	Traylor Bros.	San Francisco	Water	3 912	4 420	254	1 524		CBE carousel
		Miami Port	Bouygues Civil Works	Miami	Highway	11 278	12 497	609,6	1 702		stationary
		Seattle University Link	Traylor Precast Technopref	Seattle	Subway	5 740	6 273	266	1 522		CBE carousel
	2008	New York Flushing Line 7	New York City	New York	Subway	5 944	6 554	305	1 524		stationary
		Upper NW Interceptor Sewer	Traylor Precast	Sacramento	Water	3 658	4 115	228,6	1 524		stationary
		Queens East Side Access	Technopref	New York	Subway	5 944	6 554	305	1 524		stationary
		Avenue 45	Traylor Precast	Los Angeles	Sewer	2 266	2 616	175	1 000		stationary
	2007	North Shore Connector	NSC	Pittsburgh	Subway	6 096	6 646	275	1 200		stationary
	2005	San Vicente	TSG Precast	Littlerock	Pipeline	3 162	3 518	178	1 220		stationary
	2004	Dulles Airport	TSG Precast	Littlerock	Services	5 690	6 200	255	1 520		stationary
		Big Walnut Outfall	MacNally	Columbus	Sewer	3 660	4 120	230	1 220		stationary
		MTA Los Angeles	TSG Precast	Los Angeles	Subway	5 740	6 250	255	1 525		CBE double carousel
	2002	Arrowhead Tunnel	TSG Precast	San Bernadino Mountains	Water	4 877	5 537	330	1 524		CBE double carousel
		Northeast Interceptor Sewer	Traylor Precast	Los Angeles	Sewer	3 260	3 660	200	1 372		CBE double carousel

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	2001	NOS - ECIS	TSG Precast	Los Angeles	Sewer	4 200	4 600	200	1 500		CBE double carousel
		Light Transit line	Demathieu & Bard	Minneapolis	Light Rail	5 740	6 248	250	1 524		CBE carousel
	1999	Detroit River Outfall	ECM & Traylor Jay-Dee	Detroit	Water	6 400	6 910	255	1 500		CBE carousel
SOUTH & CENTRAL AMERICA											
Argentina											
	2011	Soterramiento Sarmiento	Odebrecht & Ghella	Buenos Aires	Railway	11 120	10 400	360	1 800		CBE carousel
	1996	Aguas Argentinas	Wayss & Freytag	Buenos Aires	Sewer	3 500	4 100	300	1 200		stationary
Brazil											
	2014	Metro Line 6 Sao Paulo	Consortio Expresso Linha 6	Sao Paulo	Subway	9 410	10 210	400	1 800		CBE carousel
	2012	Metro Line 5 São Paulo	CM5 Consortio	Sao Paulo	Subway	9 410	10 210	400	1 500		CBE carousel
Chile											
	2014	Los Condores	Ferrovial Agroman	Maule Region	Hydroelectrical	3 700	4 200	250	1 200		CBE carousel
Colombia											
	2007	Rio Bogota	Rio Bogota	Bogota	Water	4 250	3 750	250	1 300		stationary
Costa Rica											
	2014	San José Water Project	CSM Bessac	San José	Water	2 500	2 880	190	1 200		stationary
	2003	La Joya Hydroelectric Project	Ghella SpA - Seli SpA	Cartago	Water	6 000	5 600	200	1 600		stationary
Ecuador											
	2016	Metro de Quito	Consortio Linea 1-Metro de Quito Acciona-Odebrecht	Quito	Subway	8 430	9 070	320	1 500		CBE carousel
Mexico											
	2014	Emisor Poniente 2	Consortio Aldesem/Recsa/Proacon	Mexico	Sewer	7 700	8 400	350	1 500		CBE carousel
	2008	Emisor Oriente 1	ICA	Mexico	Sewer	7 700	8 400	350	1 500		CBE double carousel
	2008	Emisor Oriente 2	ICA	Mexico	Sewer	7 800	8 600	400	1 500		

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	2008	Emisor Oriente 3	Carso	Mexico	Sewer	7 800	8 600	400	1 500		
	2006	Rio La Compania	ICA	Chalco - Ixtapaluca	Sewer	5 600	6 100	250	1 500		CBE carousel
Panama											
	2011	Metro Linea 1	Odebrecht & FCC	Panama City	Subway	8 700	9 400	350	1 600		CBE carousel
		Metro Línea 1	Odebrecht & FCC	Panama City	Subway	na	9 400	na	1 500		
Peru											
	2019	Majes Sigvas 2	Constructora Las Pampas de Sigvas	Lima	Sewer	5 000	5 470	235	1 700		CBE carousel
	2015	Metro Lima	Consorcio Metro Lima	Lima	Subway	9 260	9 900	320	1 700		CBE double carousel
Venezuela											
	2013	Guarenas Guatire	Odebrecht	Caracas	Subway	7 100	7 800	350	1 800		CBE double carousel
	2001	Metro Line 1	Ghella	Valencia	Subway	8 442	9 242	400	1 500		CBE carousel
OCEANIA											
Australia											
	2019	Snowy Hydro 2.0	SLC Snowy Hydro JV	Sydney	Water	9 900	10 660	380	2 000		CBE carousel
	2018	Westgate Tunnel	CPBJH JV	Melbourne	Subway	14 100	15 100	500	2 400		CBE carousel
	2018	Melbourne Metro	Cross Yara JV	Melbourne	Subway	6 300	6 900	300	1 700		CBE carousel
	2017	Sydney Metro	John Holland	Sydney	Subway	6 170	6 690	260	1 700		CBE double carousel
	2013	North West Rail Link (NWRL)	Thiess/John Holland / Dragados JV	Sydney	Railway	6 170	6 690	260	1 700		CBE double carousel
	2011	Legacy Way Tunnel	Transcity JV	Brisbane	Highway	10 900	11 700	400	1 800		CBE carousel
	2007	City West Cable Tunnel	Thiess PTY .	Sydney	Cable	3 200	3 600	200	1 000		stationary
	1996	New Southern Rail	TB JV	Sydney	Subway	9 520	10 420	450	1 800		CBE carousel
New Zealand											
	2012	Waterview	Wilson Group	Auckland	Highway	13 100	14 000	500	2 000		CBE carousel

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ASIA											
Bangladesh											
	2017	Karnaphuli River Tunnel	China Communication	Chittagong	Water	10 800	11 800	500	2000		CBE carousel
China											
	2019	Guangzhou	Zhongjiao	Guangzhou	na	5 800	6 400	300	1 200		CBE carousel
	2019	Kunming	Group 23	Kunming	Subway	5 500	6 200	350	1 200		CBE carousel
	2019	Nanjing	Group 14	Nanjing	na	11 300	12 400	550	2 000		na
	2019	Nanjing	Fangqiao	Nanjing	na	13 700	15 000	650	2 000		Stationary
	2019	Shenzhen	Gangchuang	Shenzhen	Subway	6 000	6 700	350	1 500		Stationary
	2019	Guangzhou	Group 20	Guangzhou	Subway	7 700	8 500	400	1 600		Client carousel
	2019	Beijing	Zhuzong Group	Beijing	Subway	5 800	6 400	300	1 200		Stationary
	2018	Changzhou	Jianguang	Changzhou	Pipe	3 400	3 960	280	1 350		CBE carousel
		Luoyang	Zhongtian Green Component	Luoyang	Subway	5 500	6 200	350	1200		Stationary
		Suzhou Metro	Suzhou Jianjia	Suzhou	Subway	5 900	6 600	350	1 200		CBE carousel
		Wuhu	Fangqiao	Wuhu	na	13 300	14 500	600	2 000		Stationary
		Beijing	Fangqiao	Beijing	na	13 900	15 200	650	2 000		CBE carousel
		Zhengzhou	Group 16	Zhengzhou	Subway	5 500	6 200	350	1 500		CBE carousel
		Guangzhou	Group 22	Guangzhou	Subway	7 700	8 500	400	1 600		Client carousel
		Beijing	Gangchuang	Beijing	Subway	5 800	6 400	300	1 200		Stationary
		Zhengzhou	Huitong	Zhengzhou	Subway	5 500	6 200	350	1 500		Client carousel
		Beijing Airport Line	Fangqiao	Beijing	na	7 900	8 800	450	1 600		Stationary
		Luoyang	Zhongtian Green Component	Luoyang	Subway	5 500	6 200	350	1 500		CBE carousel

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		Beijing	Fangqiao	Beijing	Subway	7 900	8 800	450	1 600		Client carousel
		Nantong Metro	Nantong Iron Construction Component	Nantong	Subway	5500	6200	350	1000 1200		CBE carousel
		Qingdao Metro	Qingdao Everbright Group	Qingdao	Subway	6000	6700	350	1500		Client carousel
		Wuxi Metro	Wuxi Municipal	Wuxi	Subway	5500	6200	350	1200		Client carousel
		Xinjiang	Xinjiang Xinjiutong	Xinjiang	Cable	3 000	3 500	250	1 000		CBE carousel
	2017	Dongguan	CCCC Fourth Harbor	Dongguan	Subway	5 400	6000	300	1500		Client carousel
		Beijing	Hebeiyugou	Beijing	Subway	5 800	6400	300	1200		stationary
		Xia Men	China Road Ministry	Xia Men	Subway	5 500	6200	350	1200		Client carousel
		Xian	Shaanxi Ningyuan	Xian	Subway	5 400	6 000	300	1500		stationary
		Xia Men Metro	Zhongjian	Xia Men	Subway	6 000 5 500	6 700 6 200	350	1500 1200		Client carousel
		Humen	Group 16	Humen	Subway	8 000	8 800	400	1800		stationary
		Luoyang Metro	Luoyangzhongjian	Luoyang	Subway	5 500	6 200	350	1 500		CBE carousel
		Zhengzhou Metro	Henan Zhanpeng	Zhengzhou	Subway	5 800	6 400	300	1 500		CBE double carousel
		Shulong Term 5 & Yangjia Street	Chengdu Chengtou	Chengdu	Cable	na	na	na	na	Oval tunnel	CBE carousel
		Guangzhou Metro & Shenzhen Metro	CCCC Fourth	Guangzhou	Subway	8 000	8 800	400	1 800		CBE carousel
		Shantou	Zhong Sui	Shantou	Subway	13 300	14 500	600	2000		stationary
		Xia Men	Group 24	Xia Men	Subway	6000	6700	350	1500		Client carousel
		Shantou	Zhong Sui	Shantou	Subway	12 800	13 300	250	2000		stationary
		Beijing	Fangqiao	Beijing	Subway	7 900	8800	450	1600		CBE carousel
		Xia Men	China Road Ministry	Xia Men	Subway	5 500	6200	350	1200		Client carousel

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		Beijing	Chenjian	Beijing	Subway	7 900	8 800	450	1600		stationary
		Xia Men	Group 24	Xia Men	Subway	5 500	6 200	350	1200		stationary
		Beijing Metro	Group 14	Beijing	Subway	5 800	6 400	300	1200		CBE carousel
	2016	Wuhan	Wuhan Xin Yue Building Materials	Wuhan	Subway	5 400	6 000	300	1500		stationary
		Heife	Group 23	Heife	Subway	5 400	6 000	300	1500		CBE carousel
		Beijing	Gangchuang	Beijing	Subway	5 800	6 400	300	1200		stationary
		Shenyang	Wan Rong	Shenyang	Subway	5400	6000	300	1200		stationary
		Xia Men	Group 1	Xia Men	Subway	6000	6700	350	1500		stationary
		Xian	Shaanxi Ningyuan	Xian	Subway	5400	6000	300	1500		CBE carousels
		Zhengzhou 2	Group 16	Zhengzhou	Railway	11300	12400	550	2000		stationary
		Shanghai	Group 23	Shanghai	Subway	5900	6600	350	1200		stationary
		Shanghai	Group 7	Shanghai	Subway	5900	6600	350	1200		CBE carousel
		Wuhan	Xinxinyue	Wuhan	Cable	3000	3500	250	1000		stationary
		China Railway	Group 23	Weifang	Railway	na	na	na	na	Slab tracks	CBE carousel
		Beijing	BUCG	Beijing	Cable	3500	4000	250	900		stationary
		Shanghai	Chengye	Shanghai	Subway	5900	6600	350	1200		stationary
		Beijing	Fangqiao	Beijing	Railway	11100	12200	550	2000		CBE carousel
		Wuxi	Group 23	Wuxi	Subway	5500	6200	350	1200		CBE carousel
		Guangdong	Group 20	Guangdong	Railway	7700	8500	400	1600		stationary
		Zhongtie Lanyan	Changzhou	Changzhou	Subway	5500	6200	350	1200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2015	Beijing Group 14	Fangshan Bridge Co.	Beijing	Railway	9500	10500	500	2000		CBE carousel
		Wuhan Subway Line 3	Shizheng	Wuhan	Subway	na	na	na	na	Slab tracks	stationary
		Suzhou Metro	Suzhou Jiajian	Suzhou	Subway	5500	6200	350	1200		stationary
		Chengdu	Chengdu	Chengdu	Subway	5400	6000	300	1500		CBE carousel
		Beijing	Fangqiao	Beijing	Railway	9500	10500	500	2000		CBE carousel
		Fuzhou Metro	Group 3	Fuzhou	Subway	5500	6200	350	1200		CBE carousel
		Chenjian	BUCG	Chenjian	Cable	3 500	4 000	250	1 200		stationary
		Tianjin	Group 16	Tianjin	Road	10 600	11 600	500	1 500		stationary
		Humen	Group 16	Humen	na	7 700	8 500	400	1 600		stationary
		Wulumuqi	Xinjiang Xinjiutong	Wulumuqi	Subway	5 500	6 200	350	1 200		stationary
		Wuhan Travers	Shizheng Group	Wuhan	Railway	na	na	325	na		stationary
		Zhengzhou	Group 23	Zhengzhou	Subway	5 500	6 200	350	1 500		CBE carousel
	2014	Suzhou Metro	Suzhou Jiajian	Suzhou	Subway	5 400	6 000	300	1 200		stationary
		Suzhou Metro	Suzhou Jiajian	Suzhou	Subway	5 500	6 200	350	1 200		stationary
		Wuhan Metro	Shizheng Group	Wuhan	Subway	5 400	6 000	300	1 500		stationary
		Wuhan Metro	Jiangxia	Wuhan	Subway	5 500	6 200	350	1 500		stationary
		Wuhan Metro	Shizheng Group	Wuhan	Subway	na	na	na	na	Sleeper	stationary
		Zhengzhou Metro	Chenxiang	Zhengzhou	Subway	5 500	6 200	350	1 500		CBE carousel
		Xiamen	Group No.3 Ministry of Transport	Xiamen	Subway	5 500	6 200	350	1 200		stationary
		Sanyanlu Tunnel	Shizheng	Wuhan	Subway & Road	13 900	15 200	650	2 000		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ϕ	Outer ϕ	Thick	Width	Diversification	Type of Plant
		Wuhan Rail	Shaanxi Honesty Trading	Wuhan	Railway	na	na	na	na	Sleeper	stationary
		Shanghai Metro	Group 23	Shanghai	Subway	5 900	6 600	350	1 200		stationary
		Shanghai Metro	Shanghai Jiangong	Shanghai	Subway	5 900	6 600	350	1 200		stationary
		Heifei	Anhui Group 12	Heifei	Subway	5 400	6 000	300	1 500		CBE carousel
		Changzhou Metro	Jianguang	Changzhou	Subway	5 500	6 200	350	1 200		CBE carousel
		Wuhan Metro	Shaanxi Honesty Trading	Wuhan	Subway	5 400	6 000	300	1 500		CBE carousel
	2013	Shanghai Metro	Group 23	Shanghai	Subway	5 900	6 600	350	1 200		stationary
		Shanghai Metro	Jiangong	Shanghai	Subway	5 900	6 600	350	1 200		stationary
		Suzhou Metro	Jianjia	Suzhou	Subway	5 400	6 000	300	1 200		stationary
		Wuhan Metro	Wuhan Shizheng	Wuhan	Subway	5 500	6 200	350	1 500		CBE carousel
		Nanning Metro	Railway Group 20	Nanning	Subway	5 400	6 000	300	1 500		CBE carousel
	2012	Wuxi 2 Metro	Wuxi Shizheng	Wuxi	Subway	5 500	6 200	350	1 200		stationary
		Ningbo Jianca	Zhedong Jiancai	Ningbo	Subway	5 500	6 200	350	1 200		stationary
		Changzhou Metro	Changzhou metro	Changzhou	Subway	5 500	6 200	350	1 200		stationary
		Chengdu Metro 1	Railway Group 2	Chengdu	Subway	5 400	6 000	300	1 500		CBE carousel
		Chengdu Metro 2	Railway Group 2	Chengdu	Subway	5 400	6 000	300	1 200		stationary
		Guangzhou Metro	Railway Group 16	Guangzhou	Subway	5 400	6 000	300	1 500		stationary
		Nanchang Metro	Nanchang Metro	Nanchang	Subway	5 400	6 000	300	1 200		CBE carousel
	2011	Hefei Group 23	Railway Group 23	Hefei	Subway	5 400	6 000	300	1 500		CBE carousel
		Guangzhou Ande	Guangzhou Ande	Shenzen	Railway	8 700	9 600	450	2 000		stationary

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		Wuxi Jianan	Wuxi Jianan	Wuxi	Subway	5 500	6 200	350	1 200		stationary
		Beijing Fangshan	Beijing Fangshan	Beijing	Subway	5 400	6 000	300	1 200		stationary
		Ningbo	Zhedong Jiancai	Ningbo	Subway	5 500	6 200	350	1 200		stationary
		Metro Fuzhou	Railway Group 23	Fuzhou	Subway	5 500	6 200	350	1 200		stationary
		Xinjiang	Railway Group 16	Xinjiang	Railway	wind	screen	400	3 000		CBE carousel
		Yugou Beijing	Beijing Yushuzhuang	Beijing	Subway	5 400	6 000	300	1 500		stationary
		TGV Chine	Taikeli	Beijing	Railway	barrier	na	na	na		CBE carousel
		TGV Changsha	Railway Group 14	Changsha	Railway	8 100	9 000	450	1 800		stationary
	2010	Metro Chengdu	Metro Chengdu	Chengdu	Subway	5 400	6 000	300	1 500		stationary
		Zhengzhou Kanghui	Zhengzhou Kanghui	Zhengzhou	Subway	5 400	6 000	300	1 500		stationary
		Wuxi Group 23	Wuxi Group 23	Wuxi	Subway	5 500	6 200	350	1 200		stationary
		Ningbo Z Doon	Ningbo Z Doon	Ningbo	Subway	5 500	6 200	350	1 200		CBE carousel
		Wuxi 1	Wuxi 1	Wuxi	Subway	5 500	6 200	350	1 200		stationary
		Yushuzhuang	Yushuzhuang	Beijing	Subway	5 400	6 200	450	1 200		stationary
		Gangchuang	Gangchuang	Beijing	Subway	5 400	6 000	300	1 200		CBE carousel
		Wuxi 2	Wuxi 2	Wuxi	Subway	5 500	6 200	350	1 200		stationary
		Techline	Techline	Beijing	Subway	barrier	na	na	na		CBE double carousel
		Changsha	Changsha	Changsha	Subway	8 100	9 000	450	1 800		stationary
	2009	Wuxi 2 & 3	Wuxi Group 2 & 3	Wuxi	Subway	5 500	6 500	500	1 200		stationary
		Wuxi 1	Wuxi Group 1	Wuxi	Subway	5 500	6 500	500	1 200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ϕ	Outer ϕ	Thick	Width	Diversification	Type of Plant
		Shenzhen Group no. 16	Railway Group 16	Shenzhen	Railway	7 700	8 500	400	1 600		stationary
		Shenzhen Group no. 15	Railway Group 15	Shenzhen	Railway	11 700	12 800	550	2 000		stationary
		Beijing Fangshan Bridge	Fangshan	Beijing	Subway	5 400	6 000	300	1 200		stationary
		Beijing Ganchuang	Ganchuang	Beijing	Cable	3 500	4 000	250	1 200		stationary
		BUCG Beijing Changjian	BUCG Changjian	Beijing	Subway	5 400	6 000	300	1 200		stationary
		Beijing Ganchuang	Ganchuang	Beijing	Subway	5 400	6 000	300	1 200		stationary
		Shanghai SG Construction	Shanghai SG Construction	Shanghai	Railway	na	na	na	na	Noise barriers	stationary
		Beijing Yushuzhuang	Beijing Yushuzhuang	Beijing	Subway	5 400	6 000	300	1 500		stationary
	2008	Metro Xian	Metro Xi'An	Xian	Subway	5 400	6 000	300	1 500		stationary
		BUCG Beijing Changjian	BUCG Changjian	Beijing	Subway	5 400	6 000	300	1 500		stationary
		Zhengzhou Chunjiluqiao	Zhengzhou Chunjiluqiao	Zhengzhou	Subway	5 400	6 000	300	1 500		stationary
		Shenzen Group Shi Zheng	Group Shizheng	Shenzen	Subway	5 400	6 000	300	1 500		stationary
	2007	Beijing Lot 2	Beijing Lot 2	Beijing	Railway	10 500	11 600	550	1 800		stationary
		Metro Shenzen	Metro Shenzen	Shenzen	Subway	6 000	6 600	300	1 500		stationary
	2006	Beijing Railway	Beijing Railway	Beijing	Railway	10 500	11 600	550	1 800		stationary
	2004	Yushuzhuang	Yushuzhuang	Beijing	Subway	5 400	6 000	300	1 200		stationary
		Metro Beijing	Metro Beijing	Beijing	Subway	5 400	6 000	300	1 200		stationary
	2000	Metro Beijing	SPIE Batignolles	Beijing	Subway	nc	nc	nc	nc		stationary
Hong Kong											
	2014	Liantang / Heung Yuen Wai Boundary Control Point	Dragages HK	Hong Kong	Road	12 600	13 600	500	2 200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2013	MRT 1103 Shatin Central Link	Vinci Grand Projets	Hong Kong	Railway	6 500	7 100	300	1 500		stationary
	2011	HKG 703	HKG 703	Hong Kong	Subway	5 450	6 050	300	1 250		stationary
		HKG 823	HKG 823	Hong Kong	Railway	8 150	8 910	380	2 000		stationary
	2010	High Speed Train MTR XRL 825	MTR XRL 825	Hong Kong	Railway	8 150	8 900	375	1 800		stationary
	2005	Kowloon Southern Link	Leighton	Hong Kong	Railway	7 000	7 700	350	1200 / 1500		stationary
	2003	Sheung Shui	Bouygues Asia	Hong Kong	Railway	7 625	8 425	400	1 800		stationary
	2002	CLP Power	Dragages	Hong Kong	Cable	3 200	3 680	240	1 200		stationary
		Kai Tak Transfer Scheme (KTTS)	Redland Precast	Hong Kong	Sewer	4 400	4 900	250	1 200		stationary
	1999	Kwai Tsing Tunnel - KCR West Rail	Dragages Zen Pacific JV	Hong Kong	Railway	7 625	8 425	400	1 800		stationary
	1995	Sewage Disposal Scheme Hong Kong	Campenon Bernard SGE	Hong Kong	Water	2 820	3 220	200	1 200		stationary
		Sewage Disposal Scheme Hong Kong	Campenon Bernard SGE	Hong Kong	Water	3 540	4 040	250	1 400		stationary
India											
	2019	Mumbai Surya Bulk Water Supply	Larsen & Toubro LTD-Construction	Maharashtra	Water	2 850	3 450	300	1 000		CBE carousel
	2017	Mumbai Metro Line 3 Package 3	DOGUS-SOMA JV	Mumbai	Subway	5800	6350	275	1500		stationary
	2016	Mumbai Metro	CEC-ITD Cem-TPL JV	Mumbai	Subway	5800	6350	275	1400		stationary
	2015	Jaipur Metro	Continental Engineering Corporation	Jaipur	Subway	5 800	6 350	275	1 200		stationary
	2014	Jaipur Metro	Continental Engineering Corporation	Jaipur	Subway	5 800	6 350	275	1 200		stationary
	2012	Delhi Metro CC-18	Pratibha Industries Ltd.	Delhi	Subway	5 800	6 350	275	1 400		stationary
		Delhi Metro CC-23	Pratibha Industries Ltd.	Delhi	Subway	5 800	6 350	275	1 400		stationary
	2011	Chennai Metro	Gammon - Mosmetrostroy JV	Chennai	Subway	5 800	6 350	275	1400 / 1500		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ϕ	Outer ϕ	Thick	Width	Diversification	Type of Plant
	2010	Bangalore Metro UG2	Continental Engineering Corporation	Bangalore	Subway	5 600	6 160	280	1 500		stationary
		Kishanganga HEP	HCC	Baramulla	Water	5 200	5 900	350	1 500		stationary
	2008	Veligonda Coastal Project	Veligonda Coastal	Hyderabad	Water	9 200	9 800	300	1 600		CBE carousel
		Bargi Diversion	Bargi Diversion	Sleemanabad	Water	9 800	9 200	300	1 600		CBE carousel
	2006	Srisaillam Tunnel 1 / AMR Project	Jaiprakash Associated	Andhra Pradesh	Water	9 200	9 800	300	1 600		stationary
	2001	New Delhi Subway	International Metro Civil Contractors	New Delhi	Subway	5 700	6 260	280	1 200		stationary
		Ghatkopar / HCC	HCC	Bombay	Sewer	2 500	2 900	200	1 000		stationary
Indonesia											
	2015	Batam	Contech Precast PTD Ltd.	Batam	all	na	na	na	na		CBE carousel
Iran											
	2016	Konjancham Water Conveyance Tunnel	Pars Metro Sazan	Ilam	Water	4 800	5 300	250	1 500		stationary
		Bazi Deraz Water Tunnel	Sadaf Co	Kermanshah	Water	6 000	6 600	300	1 500		stationary
	2015	West Waste Water Transmission	General Mechanoc Co	Teheran	Sanitation	3 000	3 500	250	1 200		stationary
		Kani Sib Water Tunnel lot 2	Petro Omran Mahdsazeh Co	Urmia City	Water	5 500	6 100	300	1 500		stationary
		Tabriz Metro Line 2	Petro Omran Mahdsazeh Co	Tabriz	Subway	8 430	9 180	350	1 500		stationary
	2014	Kani Sib Water Tunnel, lot 1	Petro Omran Mahdsazeh Co	Urmia City	Water	5 500	6 000	250	1 500		stationary
	2013	Chamshir Water Tunnel	Sabir Co.	Behbahan	Water	4 600	5 100	250	1 200		stationary
	2011	Sabzkooh Water Tunnel	Pars Rail Sazeh Co.	Shahre Kord	Water	3 600	4 200	300	1 300		stationary
	2008	Nosood Water Transmission	Gharagah Sazandegi Khatam-Ol-Anbia	Nosood	Water	6 000	6 500	250	1 600		stationary
		Ahwaz Metro, line 1	Kayson Company	Ahwaz City	Subway	5 900	6 500	300	1 500		stationary
	2004	Metro Tabriz, line 1	Tabriz Urban Railway Organization	Tabriz	Subway	6 000	6 600	300	1 400		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2003	Metro Esfahan, line 1	Esfahan Urban Railway Organization	Esfahan	Subway	6 000	6 600	300	1 400		stationary
		Shiraz Metro, line 1	Shiraz Urban Railway Organization	Shiraz	Subway	6 000	6 600	300	1 400		stationary
Israel											
	2015	Tel Aviv	Crec	Tel Aviv	Subway	6 500	7 200	350	1 200		CBE carousel
		Tel Aviv	Crec	Tel Aviv	Subway	6 500	7 200	350	1 500		CBE carousel
	2011	Akad Tunnel Lot 2	Minrav	Tel Aviv	Railway	8 900	9 900	500	2 000		CBE carousel
Malaysia											
	2015	T220 Project - Thomson Line - Great World Tunnel	Tiong Seng Contractors	Johor	Subway	5 800	6 350	275	1 400		stationary
	2014	Project Aurum Precast	JV Bilcon-Woh Up	Johor	Subway	5 700	6 300	300	1 400		CBE carousel
	2003	S.M.A.R.T. Tunnel	Wayss & Freytag	Kuala Lumpur	Highway	11 830	12 830	500	1 700		stationary
Qatar											
	2015	Metro Doha	Porr Bau GmbH	Doha	Subway	na	na	na	na	Slab tracks	stationary
	2015	Red Line South	QDVC-GS E & C-ADE JV	Doha	Subway	6 170	6 770	300	1 600		stationary
	2013	Red Line South	QDVC-GS E & C-ADE JV	Doha	Subway	6 170	6 770	300	1 600		stationary
Saudi Arabia											
	2014	Metro Riyadh	Pacadar S.A.	Riyad	Subway	na	na	na	na		CBE double carousel
		Metro Riyadh	FAST	Riyad	Subway	8 700	9 400	350	1 600		nc
Singapore											
	2018	Singapore DTSS2	Contech Precast PTE LTD	Singapore	Sewer	6 555	7 105	275	1 600		stationary
							1 200				
3 805						4 255	225	1 300			
4 505						4 955		1 400			
	2017	Singapore Segments Production Line	Teambuild Engineering & Construction	Singapore	nc	6 000	6 600	300	1 400		CBE carousel
	2015	T219 Project - Thomson Line - Orchard Tunnel	Penta Ocean Bachy Soletanche JV	Singapore	Subway	5 800	6 350	275	1 400		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2014	SGP Kranji	Econ Precast Ptd. Ltd.	Singapore	nc	6 000	6 600	300	1 400		CBE carousel
	2011	Downtown Line 3 / C933	Contech Precast	Singapore	Subway	5 800	6 350	275	1 400		CBE double carousel
	2000	DTSS T03	Redland Precast	Singapore	Sewer	6 500	7 000		1 500		stationary
	1998	Johor Bahru	Ed. Züblin	Singapore	Subway	5 800	6 300	250	1 500		stationary
Sri Lanka											
	2012	Uma Oya Multipurpose Development Project	Farab	Badulla	Water	3 900	4 400	250	1 200		stationary
Taiwan											
	1992	Chang Chien	Chang Chien	Taipeh	nc	5 400	6 000	300	1 000		stationary
	1991	MRT C201	Züblin	Taipeh	Subway	5 420	5 920	250	1 000		stationary
Thailand											
	2017	Chidlom Electricity	Italian Thai Development Public Co	Bangkok	Cable	2 620	3 070	225	1 100		stationary
						3 620	4 120	250	1 200		
		MRT Orange Line	Italian Thai Development Public Co	Bangkok	Subway	5 700	6 250	275	1 400 1 200		stationary
	2016	Tha Nong Bon Water	Sino Thai	Nonthaburi	Water	5 000	5 500	275	1 200		stationary
	2015	Bangkok	Sany	Bangkok	Water	4 200	4 700	250	1 400		stationary
United Arab Emirates											
	2018	Deep Storm Water	Porr Six Construct JV	Dubai	Water	10 000	10 700	2 000	350		stationary
EUROPE											
Austria											
	2003	Wientalsammelkanal	Kölbl/Bilfinger & Berger	Wien	Water	7 500	8 300	400	1 500		CBE carousel
		Paierdorf Erkundungsschacht	Maba/Jägerbau	Wolfsberg/Peierdorf	Services	9 100	9 700	300	na		stationary
Belgium											
	2018	Bassin d'Orage - Bruxelles	SM Denys BAM Contractors	Bruxelles	Water	5 200	5 700	250	1 200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2016	Bruxelles – Uccle	Société momentanée SODRAEP SMET BESSAC	Bruxelles	Water	4 660	5 160	250	1 100		stationary
	2009	Liefkenshoekspoorverbinding	Liefkenshoekspoorverbinding	Antwerp	Railway	7 300	8 100	400	1 800		stationary
	2008	Diabolo	THV Dialink / Max Bögl	Bruxelles	Railway	7 300	8 000	350	1 500		stationary
	2001	Astrid Damplein	Dahme Baustoffe	Antwerp	Railway	7 300	8 000	350	1 500		stationary
Denmark											
	1989	Storebælt	Storebælt	Seeland-Sprogø	Railway	nc	nc	nc	nc		stationary
France											
	2018	Paris Métro Ligne 17	BONNA SABLA SNC	Paris	Subway	6 700	7 400	350	1 800		CBE carousel
	2018	Paris Métro Ligne 14 Lot 04	L'INDUSTRIELLE DU BETON	Paris	Subway	7 750	8 450	350	1 800		stationary
	2018	Paris Métro Ligne 14 Lot 2 Sud	BONNA SABLA SNC	Paris	Subway	7 750	8 450	350	2 000 1 500		stationary
	2018	Paris Métro Ligne 16 Lot 1	BONNA SABLA SNC	Paris	Subway	8 700	9 500	400	2 000 1 500		CBE carousel
	2018	Tunnel de Meudon	Capremib	Cormicy	Railway	3 500	4 000	250	1 300		stationary
	2017	Moule prototype	Freyssinet International & Cie	France	na	na	na	na	na		na
		Eole GC-Tun	Razel-Bec	Bruz	Subway	9 900	10 700	400	2 000		stationary
		Grand Paris L15-T2C	GIE ALLIANCE	Paris	Subway	8 700	9 500	400	2 000 1 500		CBE carousel
		Grand Paris L11-GC01	GIE ALLIANCE	Paris	Subway	7 950	8 750	400	1 800 1 500		CBE carousel
	2016	SIAAP Achères LH3	Stradal	Achères	Water	5 300	5 600	300	1 400		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2016	Calais Port 2015	Bouygues Travaux Publics	Calais	Port	4-6 m³	10m³	12m³	14m³	Break water units	CBE carousel
	2015	Tramway de Nice	Stradal	Nice	Tramway	8 500	9 300	400	1 600		stationary
		Paris Métro Ligne 14 Lot 2	Capremib	Paris	Subway	7 750	8 500	375	1500 / 1800		stationary
	2014	Metro Rennes	Bonna Sabla	Rennes	Subway	8 300	9 100	400	1 300		CBE carousel
	2014	Route du Littoral	SCPR	La Réunion	Road	11m³	8m³	6m³	4m³	Break water units	CBE carousel
	2012	LGV SEA Tours Bordeaux	Bonna Sabla	Cinq-Mars-La-Pile	Railway	na	na	na	na	Noise barriers	CBE carousel
		T6 Paris Vélizy	Capremib	Paris	Tramway	8 000	8 800	400	1 800		stationary
	2011	LGV Est	SPIE Vinci	Saverne	Railway	8 900	9 700	400	2 000		CBE carousel
	2010	Safety Tunnel Fréjus	Razel	Modane	Highway	8 200	9 000	400	1 800		CBE carousel
		VL 9 Lot 2 Paris	Bonna Sabla	Paris	Sewer	3 000	3 500	250	1 100		stationary
	2009	Metro Lyon Oullins	Metro Lyon	Lyon	Subway	8 350	9090	370	1 800		stationary
	2008	Metro Line 12	Metro Line 12	Paris	Subway	8 000	8 800	400	1 800		stationary
	2006	Marseille Metro	Marseille Metro	Marseille	Subway	8 650	9 450	400	1 500		stationary
	2003	Metro Ligne A Toulouse	Occitane	Toulouse	Subway	6 800	7 480	340	1 400		stationary
	2002	Toulouse Ligne B Lot 3	Bonna Sabla	Toulouse	Subway	4 660	5 160	250	1 000		stationary
		Toulouse Ligne B Lot 5	Bonna Sabla	Toulouse	Subway	6 800	7 480	340	1 400		stationary
		Toulouse Ligne B Lot 4	Capremib	Toulouse	Subway	6 800	7 480	340	1 400		stationary
		Toulouse Ligne B Lot 2	SAES	Toulouse	Subway	6 800	7 480	340	1 400		CBE carousel
	2001	Les Cormailles	Stradal	Ivry-sur-Seine	Cable	3 080	3 540	230	1 000		stationary
	2000	Intercepteur Gennevilliers	Stradal/SIAAP	Gennevilliers	Sewer	4 000	4 600	1 200	300		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Lire Sud	Bonna Sabla /SAGEP	Paris	Sewer	3 145	3 645	250	1 200		stationary
		Pantin La Briche no.4	Stradal	IDF	Sewer	4 460	4 937	240	1 100		stationary
		Pantin La Briche	Bonna Sabla	IDF	Sewer	3 080	3 538	229	1 200		stationary
	1999	Rû de Marivel	Bonna Sabla /Capremib	IDF	Sewer	4 180	4 880	350	1		stationary
	1998	Salazie	Préfa Réunion	La Réunion	Water	3 200	3 600	200	1 250		CBE carousel
		A86 Est VL1 & VL2	Socatop Dumez GTM	IDF	Highway	10 400	11 200	420	2 000		CBE carousel
	1997	Lire Est	Stradal/SAGEP	Paris	Sewer	3 080	3 540	230	1 200		stationary
		Intercepteur Gennevilliers	Stradal/SIAAP	Gennevilliers	Sewer	4 000	4 600	300	1 300		stationary
		Metro Rennes	Bonna Sabla	Rennes	Subway	6 800	7 480	340	1 400		CBE carousel
	1996	Clichy	Bonna Sabla	Clichy - La Briche	Water	2 600	3 000	200	1 000		stationary
		Auteuil St. Cloud	Stradal	IDF	Sewer	3 000	3 500	240	1 100		stationary
		Bassin de la Plaine	Stradal	IDF	Water	4 460	4 940	240	1 100		stationary
	1995	VL 10	Bouygues TP	Val de Marne	Sewer	2 760	3 260	250	1 000		CBE carousel
		Cachan Charenton	Bonna Sabla	IDF	Sewer	6 300	6 900	300	1 400		stationary
		Nogent - Champigny	Stradal	IDF	Sewer	2 900	3 200	150	1 015		stationary
		Metro Lille Ligne 2 Lot 3	Capremib	Lille	Subway	6 800	7 480	340	1 400		stationary
	1994	Metro Lille	Bonna Sabla/Stradal	Lille	Subway	6 800	7 480	340	800		CBE carousel
		Metro Lille	Bonna Sabla/Stradal	Lille	Subway	6 800	7 480	340	1 250		CBE carousel
		Station M8 Chatelet	Capremib	Paris	Subway	na	na	na	na		stationary
		Fresnes 1	Stradal	Fresnes	Water	2 900	3 196	148	1 200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Lille Lot F	Soletanche	Lille	Subway	6 800	7 480	340	1 400		CBE carousel
		BPNL Tunnel Caluire	GIE Lyon Nord	Lyon	Highway	9 820	10 700	440	2 000		stationary
	1993	Emissaire Valence Nord	Stradal	Valence	Water	2 280	2 630	175	1 000		stationary
		Meteor M6	Capremib	Paris	Subway	12 000	18 480	120	1 252		stationary
		Eole 1	Partek Morin	Paris	Subway	6 400	7 100	350	1 400		stationary
		Eole 2	Bonna Sabla	Paris	Subway	6 400	7 100	350	1 400		stationary
		Puits Bagneux	Partek Morin	Paris	Shaft	3 600					stationary
		Emissaire Clichy La Briche	Bonna Sabla	Clichy - La Briche	Water	2 600	3 000	200	1 000		stationary
	1992	Meteor	Bouygues Dumez	Paris Limay	Subway	7 500	8 300	400	1 600		CBE carousel
		RER D2	Bonna Sabla	Paris	Subway	6 300	6 900	300	1 400		stationary
		Métro Lyon	Pitance Vinci	Lyon Vaise	Subway	5 300	6 000	350	1 000		stationary
		Metro Rouen	Bonna Sabla	Rouen	Subway	7 400	8 100	350	1 200		stationary
		VL 6 Median Poincy	Bonna Sabla	Sucy en Brie	Water	2 900	3 196	148	1 200		stationary
	1991	Tram Strasbourg	Kesser	Strasbourg	Train	7 300	8 000	350	1 400		stationary
		Bordeaux Eau	Bonna Sabla	St. Loubès	Water	5 200	4 800	200	1 200		stationary
		Metro Lille	Bonna / Fougerolle	Lille	Subway	6 800	7 480	340	1 250		stationary
	1990	Sèvres Achères	Bonna Sabla	Paris	Water	2 460	2 800	170	1 200		stationary
	1989	Citra Sud Ouest Lot 3	Citra Sud Ouest Lot 3	Toulouse	Subway	6 740	7 420	340	1 200		stationary
		La Réunion	Arcomat	Mafate	Water	3 700	4 100	200	1 200		stationary
		Sèvres Achères	EPI	Paris	Water	3 250	3 750	120	1 100		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		OrlyVal	Bonna Sabla	Paris	Subway	6 820	7 500	340	1 200		stationary
	1987	Tunnel de la Manche	Channel Tunnel	Sangatte	Railway	7 600	8 400	nc	nc		stationary
		Tunnel de la Manche	Channel Tunnel	Sangatte	Service	4 800	5 440	nc	nc		stationary
Germany											
	2015	Rastatt Tunnel	Max-Bögl	Rastatt	Railway	9 600	10 600	500	2 000		stationary
	2008	Ems-Dollart	Rekers Beton	Emden	Pipeline	3 000	3 500	250	1 200		stationary
	2006	Katzenbergtunnel	ARGE Katzenberg	Efringen-Kirchen	Railway	9 600	10 800	600	2 000		CBE carousel
		North South Line	Rekers Beton	Cologne	Subway	7 300	8 100	400	1 500		stationary
	2005	Fernwärmehöhle Kopenhagen	Dahme	Berlin	Heating	4 200	4 800	300	1 500		stationary
	2001	Herrentunnel	Hochtief	Lubeck	Highway	10 400	11 300	450	1 500		stationary
	2000	Munich Lot 35	Dyckerhoff	Munich	Water	3 860	4 260	200	1 200		stationary
	1998	Wesertunnel	Dahme	Bremerhaven	Highway	10 300	11 300	500	1 500		stationary
		Wesertunnel	Hochtief	Bremerhaven	Highway	10 300	11 300	500	1 500		stationary
		Metro Düsseldorf	Hochtief	Dusseldorf	Subway	8 190	9 090	450	1 500		stationary
		4. Elbtunnelröhre	ARGE Elbtunnel	Hamburg	Highway	12 350	13 750	700	2 000		stationary
	1997	Metro Berlin/Spann- u. Stahlbeton	Spann- u. Stahlbeton	Berlin	Subway	5 750	6 450	350	1 200		stationary
		Kohlbrandtunnel	Spann- u. Stahlbeton	Hamburg	Service	2 370	2 870	250	1 000		stationary
		4. Elbtunnelröhre	Dyckerhoff	Hamburg	Highway	12 350	13 750	700	2 000		CBE carousel
	1996	Pregnitztalsmmler	Hochtief	Königsbrunn	Sewer	4 400	4 900	250	1 200		stationary
		Fernbahntunnel Los 3	Dahme	Berlin	Railway	7 900	8 700	400	1 500		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	1995	Bewag Berlin	Mayreder	Berlin	Water	3 080	3 540	230	1 200		CBE carousel
	1993	Metro Munich Line 1 East	Dyckerhoff	Munich	Subway	6 400	7 100	350	1 500		stationary
		Metro Munich Line 1 West	Hochtief	Munich	Subway	6 400	7 100	350	1 500		stationary
		Metro Köln	Hochtief	Cologne	Subway	5 620	6 320	300	1 200		stationary
	1992	Stadtbahn Essen	Hochtief	Essen	Railway	7 300	8 100	400	1 500		stationary
		Metro Köln	Hochtief	Köln	Subway	5 620	6 320	300	1 200		stationary
		Stadtbahn Essen	Dyckerhoff	Essen	Railway	7 300	8 100	400	1 500		stationary
		Stadtbahn Essen	Hochtief	Essen	Railway	7 300	8 100	400	1 500		stationary
	1991	Metro Nievenheim	Dyckerhoff	Nievenheim	Subway	4 700	5 300	300	1 200		stationary
	1989	Metro Munich	Hochtief	Munich	Subway	4 400	5 000	300	1 200		stationary
	1988	Metro Mulheim	Dyckerhoff	Mulheim	Subway	5 900	6 600	350	1 200		stationary
		Metro Mulheim	Hochtief	Mulheim	Subway	5 900	6 600	350	1 200		stationary
		Metro Duisburg	Hochtief	Duisburg	Subway	5 720	6 320	300	1 200		stationary
	1987	Metro Nuremberg	Dyckerhoff	Nuremberg	Subway	5 400	6 000	300	1 200		stationary
Greece											
	1992	Metro Athens	Sogea	Athens	Subway	8 480	9 180	350	1 500		CBE carousel
Hungary											
	2006	Metro Budapest	City of Budapest	Budapest	Subway	5 200	5 800	300	1 500		stationary
Italy											
	2015	Ferrovial Circumetnea	CMC	Catania	Light Rail	9 600	10 240	320	1 500		CBE carousel
	2013	Safety Tunnel Frejus	Itinera S.P.A.	Salbertrand	Highway	8 200	9 000	400	1 800		CBE carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2003	Ruffilo	Italferr	Bologna	Railway	8 300	9 100	400	1 500		CBE carousel
Netherlands											
	2017	X-Bloc plus	BAM Infraconsult BV	Gouda	Port	na	na	na	na	Armour units	na
	2011	Sluiskil Tunnel	BAM TBI / Bögl	Sluiskil / Terneuzen	Highway	10 100	11 000	450	2 000		stationary
	2008	Metro Amsterdam	Rekers Beton	Amsterdam	Subway	5 820	6 520	350	1 500		stationary
	2005	Hubertustunnel	Max Bögl	The Hague	Highway	9 400	10 200	400	2 000		stationary
	2000	Groene Hart Tunnel	Bouygues-Amay	Leiden	Railway	13 300	14 500	600	2 000		CBE carousel
		Pannerdensch Kanaal	HochTief	Zevenaar	Railway	8 650	9 490	420	1 800		stationary
		Westerschelde	Wayss & Freytag	Beveland	Highway	10 100	11 000	450	1 500		stationary
	1999	Sophiatunnel Rotterdam	Dahme	Rotterdam	Railway	8 650	9 450	400	1 500		stationary
	1998	Botlek Tunnel	SHS	Rotterdam	Railway	8 650	9 550	400	1 472 / 1 527		CBE carousel
	1996	Heinenoordtunnel	Schokindustrie	Rotterdam	Highway	7 600	8 300	350	1 500		CBE carousel
Norway											
	2015	Follo Line	Acciona Infraestructuras and Ghella	Oslo / Ski	Railway	8 750	9 550	400	1 800		CBE triple carousel
Portugal											
	2000	Metro Lisbon	Quintaspie	Lisbon	Subway	8 800	9 520	360	1 200		CBE carousel
	1995	Metro Lisbon	Pavicentro	Lisbon	Subway	8 800	9 520	360	1 200		stationary
	1993	Metro Lisbon	Pavicentro	Lisbon	Subway	8 800	9 520	360	1 200		stationary
Russia											
	2018	Lovat 242	LTS	Moscow	Subway	5 400	6 000	300	1 200		stationary
	2017	Metro Moscow	LTS	Moscow	Subway	5 400	6 000	300	1 400		stationary
	2016	Baikalsky tunnel	BAMTONNELSTROY OJSC	Krasnoyarsk	Subway	8 800	9 700	450	1 500		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2012	Lobnya 2	SMU Engeocom	Moscow	Subway	5 700	6 300	300	1 200		CBE carousel
	2011	Lobnya 2	SMU Engeocom	Moscow	Subway	5 700	6 300	300	1 200		CBE carousel
	2009	Kuznetkovsky	Lovat	Komsomolsk-on-Amur	Railway	8 800	9 700	450	1 500		CBE carousel
	2008	Metro Kraznoyarsk	Lovat	Kraznoyarsk	Subway	3 700	4 100	200	1 250		stationary
		Metro Moscow Lobnya 1	SMU Engeocom	Moscow	Subway	5 700	6 300	300	1 200		CBE carousel
		Metro Moscow	Transtunnelstroy	Protvino	Subway	5 300	5 800	250	1 000		stationary
		Metro Moscow	Lovat	Moscow	Subway	5 300	5 800	250	1 000		stationary
		Metro Kazan	NFM Technologies	Kazan	Subway	5 100	5 600	250	1 000		stationary
		Batch 158	Lovat	Moscow	Cable	3 400	3 900	250	750		stationary
	2007	Metro Moscow	Lovat	Moscow	Subway	5 300	5 800	250	1000		stationary
		Metro Moscow	Zao Metropromkomplekt	Moscow	Subway	5400	6 000	300	1200		stationary
		Metro Moscow	Spetstunnelstroy	Moscow	Subway	9 400	10 600	600	1 000		CBE carousel
		Moscow Batch 129	Lovat	Moscow	Cable	2 750	3 130	200	1 000		stationary
	2006	Moscow	Lovat	Moscow	nc	3 000	3 360	180	1 000		stationary
		Metro Moscow	Lovat	Moscow	Subway	5 700	6 300	300	1 200		stationary
		Metro Moscow -	Zao Metropromkomplekt	Moscow	Subway	5 400	6 000	300	1 200		stationary
		Moscow	Lovat	Moscow	Cable	3 600	4 000	200	1 000		stationary
		Metro Chelisy	Lovat	Chelyabinsk	Subway	5 100	5 600	250	1 200		CBE carousel
	2004	Krolsky	Lovat	Tayshet Abakan	Railway	8 500	9 300	400	1 500		CBE carousel
	2002	Metro Krasnoyarsk	Lovat	Krasnoyarsk	Subway	5 400	6 000	300	1 200		CBE carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	1999	Metro Kazan	Lovat	Kazan	Subway	5 100	5 600	250	1 000		stationary
	1998	SUPR 69	Supr 69	Moscow	Cable	3 800	4 240	220	912		stationary
	1996	Metro Nizhny Novgorod	Lovat	Nizhny Novgorod	Subway	4 700	5 100	200	1 000		stationary
	1987	Metro Moscow	Wayss & Freytag	Moscow	Subway	5 300	6 000	350	1 000		stationary
Serbia											
	2008	Belgrad Interceptor	Niemeyer GmbH	Belgrad	Sewer	4 100	4 580	240	1 000		stationary
Spain											
	2017	La Sagrera Railway Tunnel / BARCELONA POZO	CONSTRUCCIONES SANCHEZ DOMINGUEZ	Barcelona	Railway	9 000	9 800	400	1 000		stationary
	2015	Santoña-Laredo Colector	Acciona	Santoña	Water	3 500	4 000	250	1 200		stationary
	2014	Moncada	Sacyr	Barcelona	Railway	5 250	5 950	350	1 200		stationary shaft rings
	2013	Bolaños-Campobecerro	Acciona + FCC + CYES + Collosa	Orense	Railway	8 760	9 500	370	1 600		CBE carousel
	2012	Colector Subcuenca de Pinos UTE	Ferrovial+OSSA	Madrid	Water	4 200	4 600	200	1 300		CBE carousel
		Girona	FCC + Dragados /Drace	Girona	Railway	9 200	10 000	400	1 000		stationary shaft rings
	2011	HVDC Tunnel	Dragados + Eiffage / Drace	Figueres	Cable	3 500	4 000	250	1 300		CBE carousel
		Girona	FCC + Dragados /Drace	Girona	Railway	5 250	5 950	350	1 200		stationary
		Bessons Tramo V	Acciona / Sorigué	Lleida	Water	3 500	3 900	200	1 200		CBE carousel
	2010	Vigo -das Maceiras	FCC + Acciona	Vigo	Railway	8 500	9 140	320	1 600		CBE carousel
		Sevilla SE 40	OHL + Sando	Sevilla	Highway	12 600	13 600	500	2 000		CBE carousel
		Metro Barcelona Gorg	Dragadso + Acciona /Sorigué	Barcelona	Railway	10 950	11 700	375	1 800		CBE carousel
		Sorbas	FCC + Sando	Almeria	Railway	8 750	9 750	500	1 600		CBE carousel
		Atocha Chamartin	Dragados + FCC	Madrid	Railway	10 400	11 120	360	1 800		CBE carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Aguas Ter -Llobregat	OHL	Badalona	Water	5 200	5 700	250	1 400		CBE carousel
		Trinitat - Montcada	Isolux - Corsan + Copasa	Barcelona	Railway	10 400	11 300	450	2 000		stationary
		Navalcarnero	OHL	Madrid	Railway	9 600	10 240	320	1 600		CBE carousel
		Terrassa	UTE Tunel Terrassa	Terrassa	Railway	6 000	6 600	300	1 500		CBE carousel
		Girona	FCC + Dragados /Drace	Girona	Railway	10 950	11 750	400	1 800		CBE carousel
	2008	Sabadell	Acciona + Comsa / Sorigué	Sabadell	Railway	6 000	6 500	250	1 400		CBE carousel
		La Sagrera	Sacyr	Barcelona	Railway	10 400	11 160	380	1 800		CBE carousel
		Júcar - Vinalopo	OHL	Valencia	Water	2 950	3 250	150	1 200		CBE carousel
		Metro Barcelona Gorg	Dragados + Acciona /Sorigue	Barcelona	Railway	10 990	11 700	400	1 800		CBE carousel
		Camarillas	Acciona	Murcia	Railway	9 600	10 240	320	1 500		CBE carousel
	2007	La Cabrera Tunnel	FCC + Sando	Buñol	Railway	8750	9390	320	1600		CBE carousel
		Pajares 5	FCC + Acciona	Asturias	Railway	8 860	9 500	600	1 500		CBE carousel
		Oliola	Acciona / Sorigué	Lleida	Water	na	5 400	na	1 500		CBE carousel
	2006	Pajares 2	Dragados + Ossa	Madrid	Railway	8 500	9 700	600	1 500		CBE carousel
		Talave - Cenajo	Dragados + Seli /Drace	Almería	Water	3 500	3 900	200	1 250		CBE carousel
	2005	Madrid Sewer	Ferrovial	Madrid	Sewer	6 770	7 370	300	1 500		CBE carousel
		Barcelona Airport	Sacyr + FCC / Sorigué	Barcelona	Subway	8 430	9 070	320	1 500		CBE carousel
		M30 Nord	FCC + Dragados	Madrid	Highway	13 500	14 700	600	2 000		CBE carousel
		Pajares I	FCC + Acciona	Leon	Railway	9 500	8 500	na	1 500		stationary
		Pajares I bis	FCC + Acciona	Leon	Railway	8 500	9 500	500	1 500		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Perthus	Dragados + Eiffage /Drace	Figueres	Railway	8 700	9 500	400	1 500		CBE double carousel
		Canal de Navarra II	Sacyr /Sorigue	Pamplona	Water	5 400	5 900	250	1 400		CBE carousel
		M 30 South	Acciona + Ferrovial	Madrid	Highway	13 500	14 700	600	2000		CBE carousel
		L9 Airport Tunnel	UTE Airport	Barcelona	Subway	8 430	9 070	320	1 500		CBE carousel
		Jucar Vinalopo	Pacadar	Valencia	Water	2 950	3 250	300	1 200		CBE carousel
		Pajares 4	Hispanica + Copasa + Copcisa + Azvi	Asturias	Railway	8 500	9 500	500	1 500		CBE carousel
		Pajares 3	Ferrovial + Sacyr	Asturias	Railway	8 500	9 500	500	1 500		CBE carousel
		Metro Norte Madrid	Necso	Madrid	Subway	8 430	9 070	320	1 500		CBE carousel
		Pajares I	FCC + Acciona	León	Railway	8 500	9 500	500	1 500		CBE carousel
		Metro Madrid	Necso	Madrid	Subway	8 430	9 070	320	1 500		CBE carousel
		Pajares 2	Dragados + OSSA	Léon	Railway	8 700	9 700	500	1 500		CBE carousel
		Metro Sevilla	Dragados +Sacyr / Drace	Sevilla	Subway	5 300	5 800	250	1 400		CBE carousel
	2004	Guadalajara	Dragados /Drace	Madrid	Sewer	2 024	2 324	150	1 000		stationary
		Metro Madrid	Sacyr	Madrid	Subway	8 000	8 600	300	1 500		CBE carousel
	2003	Metrotren	Necso	Gijon	Railway	9 600	10 240	320	1 500		CBE carousel
	2002	Pau Santa Elena	Stradal	Madrid	Sewer	3 140	3 540	200	1 200		stationary
		Abdalajis E	Sacyr	Málaga	Railway	8 800	9 700	450	1 500		CBE carousel
		Gorg Linea 9	Barcelona	Barcelona	Subway	10 900	11 700	400	1 800		CBE carousel
		Linea 9	FCC + Ferrovial + OHL + Comsa/ Sorigué	Barcelona	Subway	10 900	11 700	400	1 800		CBE carousel
		Abdalajis W	Dragados+ Seli / Drace	Málaga	Railway	8 800	9 700	450	1 500		CBE carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Valdemarin 1	Dragados /Drace	Madrid	Sewer	2 024	2 324	150	1 200		stationary
		Guadarrama Norte	FCC + Ferrovial + ACS	Segovia	Railway	8 500	9 140	320	1 600		CBE double carousel
		Guadarrama Sur	Dragados + Acciona + OHL	Madrid	Railway	8 500	9 140	320	1 600		CBE double carousel
	2001	Canal Navarra I	Dragados + Seli /Drace	Madrid	Water	5 260	5 660	200	1 600		CBE carousel
	2000	Metro Madrid	Drace	Madrid	Subway	8 430	9 070	320	1 500		CBE carousel
		Murcia Interceptor	ACS / Formo Unicon	Murcia	Sewage	2 024	2 324	150	1 000		stationary
		Metro Madrid	Dragados / Drace	Madrid	Subway	6 700	7 200	250	1 200		CBE carousel
		Metrosur 2	FCC / Delta	Madrid	Subway	8 430	9 070	450	2 000		stationary
		Metrosur 3	Dragados / Drace	Madrid	Subway	8 430	9 070	450	2 000		CBE double carousel
		Metrosur 1	ACS	Madrid	Subway	8 430	9 070	450	2 000		CBE carousel
	1998	Butarque	Ferrovial + Ossa /Formo Unicon	Madrid	Sewer	2 250	2 550	150	1 000		CBE carousel
	1997	Metro Madrid	Entrecanales + ACS + Dragados	Madrid	Subway	5 850	6 350	250	1 200		CBE carousel
	1996	Metro Madrid	FCC / Delta	Madrid	Subway	8 430	9 070	320	1 500		stationary
		Metro Madrid	Ferrovial +Cubiertas	Madrid	Subway	8 430	9 070	320	1 500		CBE carousel
		Metro Madrid	Entrecanales + ACS	Madrid	Subway	8 430	9 070	320	1 500		CBE carousel
	1993	Metro Valencia	Entrecanales + ACS	Valencia	Subway	5 750	6 350	300	1 200		CBE carousel
Sweden											
	2005	Hallandsas	Skanska	Hallandsas	Highway	9 040	10 120	540	2 200		CBE carousel
	2005	Malmo Tunnel	MCG	Malmo	Highway	7 900	8 600	350	1 800		stationary
	2004	Hallandsas	Skanska Vinci	Förslöv	Highway	9 040	10 120	540	2 200		CBE carousel
Switzerland											

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2002	Tunnel de Moutiers	Marti	Bern	Highway	10 516	11 460	472	1 800		CBE carousel
	1998	Lot 2.01 Locher	AZT	Zurich	Highway	11 440	12 040	300	1 675		CBE carousel
		Lot 3.01 Locher	AZT	Zurich	Highway	11 440	12 040	300	1 675		CBE carousel
	1994	Alptransit	Element	Amsteg	Railway	8 600	na	na	na		stationary
		Tunnel de Pomy	Tunnels de Pomy	Yverdon-les-Bains/Payerne	Highway	10 900	11 460	280	1 800		CBE carousel
	1989	Tunnel de Les Vignes	Element	Murten	Highway	10 800	11 500	350	1 500		stationary
Turkey											
	2017	Filyos Port Project	KOLIN INS. TURZ.SAN.VE TIC.A.S	Filyos	Port	4m³	8m³	na	na	Break water units	stationary
	2015	Bahce Nurdag	Interkar Yapi	Bahçe-Nurdağı	Railway	7000	7700	350	1500		stationary
	2013	Bosphorus Strait Road Crossing	YMSK JV	Istanbul	Highway	12000	13 200	600	2 000		CBE carousel
	2005	Metro Ankara	Tükerler Limak JV	Ankara	Subway	5 240	5 760	260	1 400		stationary
	1993	Metro Ankara	Gama Guris	Ankara	Subway	5 238	5 758	260	1 200		stationary
UK & Ireland											
	2019	High Speed 2 - HS2	ALIGN	Watford	Railway	9 100	9 900	400	2 000		stationary
	2018	Hinkley Point	Balfour Beatty Civil Engineering	Bridgewater	Nuclear Energy	7 000	7 720	360	1 500		CBE carousel
6 000						6 720	360	1 500			
	2017	Thames Tideway East	Max Boegl Tarmac JV	London	Water	7 800	8 500	350	1 800		stationary
5 500						6 100	300	1 500			
		Aberdeen Harbour Expansion Project	Dragados UK LTD	Aberdeen	Port		8m³	12m³	16m³	Break water units	CBE carousel
		Thames Tideway Central	PACADAR UK LTD	London	Water	7 800	8 500	350	1 800		stationary
	2016	Thames Tideway West	Morgan Sindall	London	Water	7 100	7 800	350	1 700		stationary
		Beckton Tunnel	FP McCann Limited	Burton on Trent	Water	2 950	3 400	225	1 000		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
		Northern Line Extension	Morgan Sindall	London	Subway	5 200	5 700	250	1 500		stationary
	2015	Shieldhall Strategic Tunnel	Costain Vinci Construction JV	Glasgow	Water	4 700	5 200	250	1 500		stationary
	2012	Bridlington	Morgan Sindall	Yorkshire	Water	2 070	2 430	180	1 000		stationary
		National Grid	Morgan Sindall	London Hackney Willesden	Cable	4 000	4 250	225	1 000		CBE carousel
	2011	Crossrail C305	Dragados J.Sisk	London	Light Rail	6 200	6 800	300	1 600		CBE double carousel
		Wellclose Square	Morgan Sindall	Ridham Dock	Service	2 590	2 950	180	500		stationary
		Crossrail C300	BAM + Ferrovial + Kier	London	Light Rail	6 200	6 800	300	1600 / 1000		stationary
	2010	Lee Tunnel	Morgan Vinci Bachy JV	Sittingbourne	Sewer	7 800	8 500	350	1 700		CBE carousel
	2008	Prescott Road	Morgan Sindall	Sittingbourne	Water	na	na	na	na		stationary
	2007	Cambridge Guided Busway	Edmund Nuttall	Cambridge	Busway	na	na	na	10-15m		stationary
	2007	Thames Water Shaft	Morgan Sindall	London	Water	11 000	11 700	350	1 200		stationary
	2007	Thames Water Brixton	Morgan Sindall	London	Water	2900	3360	230	1200		stationary
	2006	Croydon Cable	Morgan Sindall	Croydon	Cable	3 000	3 360	180	1 200		stationary
	2006	Croydon Cable Shaft	Morgan Sindall	Croydon	Cable	12 400	13 150	375	1 200		stationary
	2006	Hendon	Morgan Sindall	Hendon	Cable	2 500	2 860	180	600		stationary
	2006	Belfast IV	Morgan Sindall	Belfast	Sewer	10 000	10 650	325	1 200		stationary
	2006	Belfast III	Morgan Sindall	Belfast	Sewer	15 000	15 800	400	1 200		stationary
	2006	Belfast Sewer II	Morgan Sindall	Belfast	Sewer	7 500	8 050	275	1 200		stationary
	2006	Belfast Shaft Tunnel	Morgan Sindall	Belfast	Sewer	6 000	6 500	250	1 200		stationary
	2006	Belfast Sewer II	Morgan Sindall	Belfast	Sewer	4 050	4 550	250	1 200		stationary

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Continent & Country	Year	Project	Client	Town	Application	Inner ø	Outer ø	Thick	Width	Diversification	Type of Plant
	2003	Preston Bathing Water Interceptor	Morgan / Vinci	Preston	Sewer	3 650	4 100	225	1 000		stationary
	2002	Thameslink 2000	Tarmac Precast	London	Railway	6 000	6 600	300	1 000		stationary
	2001	Port Tunnel	Irishenco Construction	Dublin	Highway	10 840	11 540	350	1 700		stationary
	2001	Thames Tunnel	Hochtief / Murphy	London	Railway	7 150	7 850	350	1 500		stationary
	2001	Channel tunnel Rail Link (CTRL)	Nuttall / Wayss & Freytag	London	Railway	7 150	7 850	350	1 500		stationary
	2001	Airside Road	Miller Ridham	London Heathrow	Highway	8 100	8 800	350	1 700		stationary
AFRICA											
Algeria											
	2006	Oued M'Kacel	CSM Bessac	Alger	Sewer	4 000	4 600	300	1 300		stationary
	2005	Collecteur Pointe Pescade Lot 1	CSM Bessac	Algier	Sewer	2 460	2 800	170	1 200		stationary
Egypt											
	2019	Metro Cairo CML 3 - Phase 3	EFJV	Cairo	Subway	8 350	9 150	400	1 500		stationary
	2016	Metro Cairo L3 - Phase 4	EFJV LED BY VCGP	Cairo	Subway	8 350	9 150	400	1 500		stationary
	2008	Metro Line 3	Vinci	Cairo	Subway	8 350	9 150	400	1 500		stationary
	1994	Metro Line 2	Campenon Bernard SGE	Cairo	Subway	8 350	9 150	400	1 500		stationary
	1993	Metro Line 2	Campenon Bernard SGE	Cairo	Subway	8 350	9 150	400	1 500		stationary
Morocco											
	2014	SCO Casablanca Bouskoura	MAKYOL / Peri	Casablanca	Water	5 500	6 100	300	1 500		stationary
	1994	Entrecanales	Entrecanales + Del Favero	Abda Doukkala	Water	6 400	7 000	300	1 600		CBE carousel
South Africa											
	2006	Gautrain Rapid Rail Link	Bouygues TP	Dunswart / Johannesburg	Railway	5 860	6 460	300	1 500		CBE carousel

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Continent & Country	Year	Project	Client	Town	Application	Inner \varnothing	Outer \varnothing	Thick	Width	Diversification	Type of Plant
	1991	Highlands Water Project	HMC Tunneling	Lesotho	Water	4 600	5 100	250	1 400		stationary
Tunisia											
	1996	Oued Barbara/Bonna	Ferrovial /Bonna Sabla	Hammam Bourgiba	Water	3 200	3 800	300	1 300		stationary