

CURRENT APM IMPLEMENTATIONS

FALL, 2011

Note: The information is what is available 12/10 and excludes O&M contracts.

Site/Project	Service	Configuration	Cost(\$m)	Supplier
<u>Projects of Architectural Scale</u>				
Titanic Ride, UK	EU	2012	Small, low-capacity ride	2 WGH
Dubai Airport	ME	2012	Tunneled T-3 to concourses	73 MHI
Cairo Airport	Africa	2012	1.8km, 4-station cable-propelled	50 Poma-Leitner
Las Vegas Airport	USA	2012	0.4km underground shuttle to Terminal 3	43 Bombardier
Phoenix Airport	USA	2012	3.5km, 18 vehicles (+O&M)	186 Bombardier
Atlanta Airport - extension	USA	2012	370m extension with 10 new vehicles	63 Bombardier
Doha Airport, Qatar	ME	2013	600m shuttle	66 DCC
Munich Airport	EU	2014	432m shuttle	100 Bombardier
<u>Jeddah Airport</u>	<u>ME</u>	<u>2014</u>	<u>1.5km shuttle with 10 vehicles</u>	<u>96 Bombardier</u>
Total			679	
<u>Projects of Institutional Scale</u>				
Morgantown PRT	USA	2012	Propulsion upgrades	10 Bombarider
Makkah Hajj Line	ME	2012	Controls for 18km, 6+ stations, elevated	50 Thales
Daejon	Asia	2012	7km maglev demo	471 Hyundai
Caracas	Latin	2012	2.3km, 5-station	75 DCC
London DLR	EU	2012	4-station ext. to Olympic, etc.	700 Thales-Bombardier
Incheon Rail Link	Asia	2012	6km, 6-station airport-rail maglev	300 Hyundai-Rotem
Riyadh Financial District	ME	2012	3.6km, 6-station monorail	241 Bombardier
Suncheon PRT	Asia	2013	5km, 2-station, 40 vehicles	100 Vectus
Porto Allegre	Latin	2013	1km shuttle from airport to rail	25 Aeromovel
Bologna Airport-to-City	EU	2014	5km single-track, midway 3 stat at univ	66 Intamin
<u>Oakland Connector</u>	<u>USA</u>	<u>2014</u>	<u>5.1km airport link w/out mid-station</u>	<u>100 DCC - PPP</u>
Total			2,138	

Projects of Metro/Transit Scale

Seoul Yong-In	Asia	2012	19km ~elev. w/15 stations as 35yr BTO	600	Bombardier
Miami Metromover	USA	2012	17 more vehicles	31	Bombardier-ATS
Seoul Uijeongbu	Asia	2012	11km elevated with 14 station	180	Siemens TS
Brescia Metro	EU	2012	14km part undergrd, 17 sta, 21 trains	310	Ansaldo
Sao Paulo - Line 4	Latin	2012	Controls for 13km, 11-station line	105	Siemens-TS
Sao Paulo - Line 4	Latin	2012	84 vehicles	150	Rotem
Budapest - 4	EU	2012	Controls for 8km, 10 stat tunneled	135	Siemens TS
Singapore - Circle	Asia	2012	2.3km extension	50	Alstom
Rome - C	EU	2012	25km underground with 30 station	500	Ansaldo
Thessaloniki	EU	2013	9.5km, 13 station underground	500	Ansaldo
Paris- Line 1	EU	2013	Upgrade to driverless operation	770	Siemens-TS
Helsinki	EU	2013	Metro retrofit to driverless + extension	230	Siemens TS
Bangkok Skytrain	Asia	2013	35 vehicles	66	Siemens
Sao Paulo monorail	Latin	2014	18km monorail	75	Thales
Incheon 2	Asia	2014	30km, 27 stations	500	Thales + Hyundai-Rotem
Barcelnoa- Line 9	EU	2014	Completion to 48km buildout	300	Siemens, Alstom
Brussels	EU	2015	115 vehicles, controls, platform doors	880	Siemens-Bombardier
Taipei Circle	Asia	2015	15km, 14 stations, 17 trains	431	Ansaldo
Honolulu	USA	2015	32km, 21 stations	1,330	Ansaldo
Macao	Asia	2015	20km, 21-station	590	MHI
Sao Paulo- Exp, Tiradentes	Latin	2015	24km elevated	848	Bombardier
Milan - 5	EU	2015	13km, 19 stat, 21 train concession	214	Ansaldo
Lyon A+B	EU	2015	Conversion to driverless operations	75	Areva
Singapore-Downtown	Asia	2016	20km, 33-station , 219 vehicles	572	Bombardier
Taichung, Taiwan	Asia	2017	17km elevated, 18 stations, 72 vehicles	700	Alstom-Kawasaki, CICI
Milan - 4	EU	2018	15km, 21-station to Linate Airport	600	Ansaldo
Rennes - B	EU	2018	13km, 15-stat, 38 vehicles	258	Siemens TS
<u>Copenhagen Ringen</u>	<u>EU</u>	<u>2018</u>	<u>16km underground with 17 new stat</u>	<u>1,400</u>	<u>Ansaldo</u>

Total

12,400

15,217