



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

No.	Project	Length (m)	Ventilation type	Customer	Fan Type	Qty	Total Power (kW)	Country	Year
1	TUNELES DE CAPISTRANO	2 x 800	LONGITUDINAL	NECSO	JZR 10-30/4	14	420	SPAIN	2000
2	TUNEL DE SIERRAPANDO	650	LONGITUDINAL	SICE	JZ 12-22/4	6	132	SPAIN	2000
3	TEMPI TUNNEL	4035	COMBINADA	OSE - TEMPI TUNNEL J.V.	JZR 6-15/2 + ZVR 1-24-132/8	15	576	GREECE	2000
4	TUNEL DE SOMPORT	8700	SEMITRANSVERSAL/TRANSVERSAL	NECSO	VARIOS	10	4350	SPAIN	2000
5	TUNEL MORRO DO BOI	1000	LONGITUDINAL	CONSTRUCTORA OAS LTDA	JZR 10-25/4	11	275	BRAZIL	2000
6	URBAN TUNNELS	1280	LONGITUDINAL	BESA INSAAT LTDA.	JZR 7-22/2	22	484	TURKEY	2000
7	RONDA DE DALT (REPOSICIÓN)	VARIOS	LONGITUDINAL	GETECMA	JZR 6-15/2 + JZR 6-7,5/2	14	150	SPAIN	2000
8	TUNEL DEL PILAR DE LA HORADADA	2 x 660	LONGITUDINAL	AUDECA	JZR 12-22/4	12	264	SPAIN	2000
9	TUNEL SOTERRAMIENTO CADIZ	3000	COMBINADA	CADIZ UTE	ZVR 1-28-160/8 + ZVR 1-24-55/8-7,5/16 + ZVP 1-14-11/6 + ZVP 1-10-5,5/6 + JZR 6-7,5/2	18	538	SPAIN	2000
10	TUNEL SOTERRAMIENTO M-111	800 + 1200	LONGITUDINAL	O.H.L.	JZR 10-30/4	54	1620	SPAIN	2000
11	TUNEL DE RIOSECO	610	LONGITUDINAL	SICE	JZR 10-22/4	4	88	SPAIN	2001
12	TUNEL DE RIAÑO	660	LONGITUDINAL	UTE RIAÑO (CORPOSA - ACS)	JZR 12-22/4	10	220	SPAIN	2001
13	TUNEL DE LIMPIAS	550	LONGITUDINAL	DRAGADOS Y CONSTRUCCIONES,S.A.	JZR 12-37/4	3	111	SPAIN	2001
14	TUNEL D'ENVALIRA	2860	SEMITRANSVERSAL	ENVALIRA UTE	ZVNR 1-20-560/4	4	2240	ANDORRA	2001
15	TUNEL DE CANDAS	600	LONGITUDINAL	COPROSA	JZR 12-45/4	4	180	SPAIN	2001
16	TUNELES DE FLORINAPOLIS, VIA EXPRESSA SUL	2 x 1000	LONGITUDINAL	CONSORCIO CBPO - CON	JZR 9-25/4	20	500	BRAZIL	2001
17	TUNEL MISAEAL PASTRANA BORRERO	4500	LONGITUDINAL	CONCRETO	JZ 12-52/4 + JZR 12-52/4	36	1872	COLOMBIA	2002
18	TUNELES DE EL FABAR, TEZANGOS Y LLOVIO	2 x 1370 + 2 x 498 + 2 x 436	LONGITUDINAL	U.T.E. SELLA (DYC - FCC)	JZR 12-37/4	44	1628	SPAIN	2002
19	TUNELES DE CAVIEDES	2 x 270	LONGITUDINAL	SICE	JZR 12-45/4	4	180	SPAIN	2002
20	TUNELES DE ARTXANDA	1207 + 1145 + 734	LONGITUDINAL	U.T.E. ARTXANDA	JZR 10-30/4	30	900	SPAIN	2002
21	AUTOVIA EIBAR VITORIA	2 x 741 + 2 x 2392 + 2 x 1253	LONGITUDINAL	INDRA	JZR 10-30/4	68	2040	SPAIN	2002
22	RODOANEL MARIO COVAS TRAMO OESTE	2x600 + 2x620 + 2x1680	LONGITUDINAL	Dersa/GRSP	JZR 14-52/6	81	4212	BRAZIL	2002
23	TUNELES DE PEDRO JIMENEZ	1078 + 1062	LONGITUDINAL	FERROVIAL AGROMAN	JZR 12-37/4	16	592	SPAIN	2002
24	TUNELES VALLE ROMANO	2 x 970	LONGITUDINAL	FERROVIAL AGROMAN	JZR 12-37/4	16	592	SPAIN	2002



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

25	RENNSTEIG TUNNEL	7800	SEMITRANSVERSAL	ARGE SIEMENS GEBÄUDETECHNIK OST GMBH - DÜRR GMBH	ZVR 1-25-132/6 + JZR 12-45/4	70	4542	GERMANY	2002
26	GALLERIE NATURNO E STAVA	2530	COMBINADA	SOGI SPA	JZR 10-11/4 + ZVT 1-24-75/8	15	282	ITALY	2002
27	TUNELES DEL INFANZÓN	2 x 800 + 505	LONGITUDINAL	COBRA GRUPO	JZR 12-37/4	27	999	SPAIN	2002
28	BOGE TUNNEL	2038	LONGITUDINAL	STATENS VEGVESEN	JZR 12-22/4	10	220	NORWAY	2002
29	TUNELES ARGUINEGUIN - PUERTO RICO	481+579+374+378+1 202+1213+257+258+ 325	LONGITUDINAL	OBRASCON HUARTE LAIN	JZR 12-37/4	30	1110	SPAIN	2002
30	TUNELES DE PICAPLANO	2 x 340	LONGITUDINAL	IPEZSA	JZR 12-22/4	6	132	SPAIN	2002
31	TUNELES DE OLOT MONTAGUT	710 + 735 + 1025 + 1085	LONGITUDINAL	OLOT-MONTAGUT UTE	JZR 12-37/4	48	1776	SPAIN	2002
32	TUNELES DE CHUMBERAS	989	LONGITUDINAL	LUMICAN	JZR 9-22/4	6	132	SPAIN	2002
33	TÚNELES DE CERRADO CALDERÓN Y SAN JOSÉ	2 x 800	LONGITUDINAL	ELECNOR	JZ 6-11/2 + JZR 7-22/2 + JZR 9-22/2	28	572	SPAIN	2002
34	FALSO TÚNEL ORTEGA PARDO	2 x 312	LONGITUDINAL	API CONSERVACIÓN	JZR 10-22/4	8	176	SPAIN	2002
35	TÚNELES TRES DE MAYO	3 x 312	LONGITUDINAL	LUMICAN	JZR 10-30/4	6	180	SPAIN	2002
36	TUNELES DE SANTA COLOMA	660	LONGITUDINAL	MONCOBRA	JZR 10-37/4	14	518	SPAIN	2002
37	TUNEL DE TIANA	940	LONGITUDINAL	MONCOBRA	JZR 14-45/6	19	855	SPAIN	2002
38	FRETHEIM TUNNEL	1400	LONGITUDINAL	STATENS VEGVESEN	JZR 10-22/4	4	88	NORWAY	2002
39	SKRIKEBERG TUNNEL	1500	LONGITUDINAL	STATENS VEGVESEN	JZR 10-22/4	4	88	NORWAY	2002
40	HOVDE TUNNEL	1300	LONGITUDINAL	STATENS VEGVESEN	JZR 7-18,5/2	5	42.5	NORWAY	2002
41	SUNDAFJELL TUNNEL	1900	LONGITUDINAL	STATENS VEGVESEN	JZR 10-22/4	5	110	NORWAY	2002
42	TUNEL ROVIRA	1329 + 1300	LONGITUDINAL	UTE TUNELS BCN	JZR 12-45/4	4	180	SPAIN	2003
43	TUNELES DEL BRUC	2 x 850	LONGITUDINAL	MONCOBRA	JZR 12-45/4	20	1720	SPAIN	2003
44	FASE II CIRCUNVALACIÓN LAS PALMAS	985 + 1008 + 2 x 600	LONGITUDINAL	UTE CIRCUNVALACIÓN II	JZR 16-55/6 + ZVTv 1-18-75/8	16	960	SPAIN	2003
45	TUNEL DE LA CUMBRE	2657	LONGITUDINAL	FCC CONSTRUCCION S.A.	JZR 12-45/4	20	900	SPAIN	2003
46	TUNELES TORRELAVEGA - LOS CORRALES	663 + 689	LONGITUDINAL	DRAGADOS OBRAS Y PROYECTOS	JZR 12-37/4	12	444	SPAIN	2003
47	TUNEL DE LA NIEVES	415	LONGITUDINAL	FCC CONSTRUCCION S.A.	JZR 12-37/4	2	74	SPAIN	2003
48	TUNEL SANTA MARIA DE LA CABEZA	293 + 370 + 161	LONGITUDINAL	UTE SANTA MARIA DE LA CABEZA	JZR 10-37/4	7	259	SPAIN	2003
49	TUNEL DE SANTIRSO	2 x 330	LONGITUDINAL	SICE	JZR 12-22/4	6	132	SPAIN	2003



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

50	TUNEL DE CAMARA MUNICIPAL	220	LONGITUDINAL	MAQUINTER DE PORUGAL	JZR 9-22/4	2	44	PORTUGAL	2003
51	TUNEL ENLACE DE LA MARGA	335	LONGITUDINAL	FERROVIAL S.A.	JZR 6-22/2	4	88	SPAIN	2003
52	TUNEL DE FABARES	2167 + 2140	LONGITUDINAL	UTE LIERES	JZR 12-37/4 + JZR 4,5-3/2	40	1276	SPAIN	2003
53	FASE III CIRCUNVALACIÓN LAS PALMAS	VARIOS TUNELES - TOTAL 3077	LONGITUDINAL	UTE CIRCUNVALACIÓN III	JZR 12-30/4 + JZR 12-37/4 + JZR 12-55/4	20	906	SPAIN	2003
54	TUNEL DE LA RIA DE VILLAVICIOSA	960	TRANSVERSAL	UTE LIERES	ZVTv 1-24-75/8	2	150	SPAIN	2003
55	TUNEL DE MALMASIN	2 x 1300	LONGITUDINAL	SICE	JZR 10-37/4	18	666	SPAIN	2003
56	TUNEL DE FRONTERA	2400	LONGITUDINAL	UTE VALDERDE FRONTERA	JZR 12-45/4	8	360	SPAIN	2003
57	THE VICTORIA PARK TUNNEL INNER NORTHERN BUSWAY - SECTION 5	290	LONGITUDINAL	ALSTOM AUSTRALIA	JZR 12-30/4	6	180	AUSTRALIA	2003
58	OVERKAPPING BARENDRECHT	1500	LONGITUDINAL	VHV BARENCRECHT v.o.f.	JZR 7-30/2	128	3840	NETHERLANDS	2003
59	TUNEL DE OYEREGUI	477	LONGITUDINAL	SICE	JZR 12-30/4	4	120	SPAIN	2003
60	TUNEL PONFERRADA	174	LONGITUDINAL	BEGAR CONSTRUCCIONES	JZR 6-11/2	2	22	SPAIN	2003
61	TUNEL DE BRAÑAVIELLA	1235	LONGITUDINAL	UTE GIJON-VILLAVICIOSA	JZR 12-30/4	24	720	SPAIN	2003
62	TUNEL DE NIEVARES	2348	LONGITUDINAL	UTE GIJON-VILLAVICIOSA	JZR 12-30/4	36	1080	SPAIN	2003
63	TUNEL DE PEÑAFLOR	757	LONGITUDINAL	COBRA	JZR 12-30/4	6	180	SPAIN	2003
64	UNTERFLURTRASSE KIRCHHAM	1800	LONGITUDINAL	OSMO ANLAGENBAU GNBHM & Co. KG	JZR 5-7,5/2	6	45	AUSTRIA	2003
65	TUNEL DE MONREPOS	1550	LONGITUDINAL	VIDAL API UTE I	JZR 12-30/4	12	360	SPAIN	2003
66	TUNEL DE MUGAIRE	477	LONGITUDINAL	SICE	JZR 12-30/4	4	120	SPAIN	2003
67	TUNELES RADIALES M-30	VARIAS	LONGITUDINAL	FERROVIAL AGROMAN S.A.	JZR 12-37/4	16	592	SPAIN	2003
68	TUNNEL DE GLION A 9	1346	LONGITUDINAL	CEGELEC	JZR 12-37/4	19	703	SWITZERLAND	2003
69	SECTION S.1 POLYMILOS - LEFKOPETRA TÚNEL S.13	802 + 798	LONGITUDINAL	HELLENPLAN-AEVEKO	JZR 12-30/4	28	840	GREECE	2003
70	TUNNEL DE CHAMOISE AUTOROUTE A 40	3264	TRANSVERSAL / SEMITRANSVERSAL	SEITHA	ZVN 1-18-500/4	2	1000	FRANCE	2003
71	PASSANTE A NORD - OVEST - PNO	2900	LONGITUDINAL + SEMITRANSVERSAL	SPIC	JZR 10-30/4 + JZR 7-30/2 + ZVN 1-24-160/6 + 2 x ZVR 1-14-75/4 + ZVR 1-18-110/4	45	1820	ITALY	2004
72	TIERGARTEN TUNNEL	2410	LONGITUDINAL	ARGE SIEMENS BUILDING TECHNOLOGIES - CEGELEC	JZR 6,3-18,5/2 + ZVT 1-16-45/6	75	1414	GERMANY	2004
73	TUNNEL GOUSSELERBIERG A 7	2960	LONGITUDINAL	PONTS ET CHAUSSEES	JZR 10-22/4	24	528	LUXEMBOURG	2004
74	BOTLEK SPOORTUNNEL	3065	LONGITUDINAL	PROJECTBUREAU BETUWERROUTE	JZR 12-55/4	215	11825	NETHERLANDS	2004



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

75	SOPHIA SPOORTUNNEL	8115	LONGITUDINAL	BeCIG v.o.f.	JZR 12-55/4	56	3080	NETHERLANDS	2004
76	PANNERDENSCH KANAAL TUNNEL	2680	LONGITUDINAL	BeCIG v.o.f.	JZR 12-55/4	32	1760	NETHERLANDS	2004
77	ZEVENAAR TUNNEL	2350	LONGITUDINAL	BeCIG v.o.f.	JZR 12-55/4	66	3630	NETHERLANDS	2004
78	URBAN TUNNEL	280	LONGITUDINAL	TEPE INSAAT	JZR 7-30/2	8	240	TURKEY	2004
79	TUNEL 2 CANTERA EL CALERO	1555	LONGITUDINAL	DRAGADOS	JZR 12-45/4 + JZR 12-37/4 + JZR 12-22/4	4	149	SPAIN	2004
80	KORGFJELL TUNNEL	8568	LONGITUDINAL	J.L BRUVIK	JZR 12-22/4	36	792	NORWAY	2004
81	TUNEL DE LACABE	740	LONGITUDINAL	SICE	JZR 9-22/4	6	132	SPAIN	2004
82	TUNEL CUATRO CAMINOS	318	LONGITUDINAL	CONSERVACION Y SISTEMAS	JZR 12-37/4	6	222	SPAIN	2004
83	TUNEL DE LA PALLARESA	600	LONGITUDINAL	MONCOBRA	JZR 12-45/4	11	495	SPAIN	2004
84	TUNEL FERROVIARIO LLEIDA	Several	SEMITRANSVERSAL	MONCOBRA	ZVR 1-18-75/4	2	150	SPAIN	2004
85	TUNEL FERROVIARIO ZARAGOZA	4016	LONGITUDINAL	COMSA S.A.	JZR 7-22/2 + ZVR 1-18-200/4	32	660	SPAIN	2004
86	TUNEL FERROVIARIO LLEIDA	1520	LONGITUDINAL	COMSA S.A.	ZVR 1-18-200/4	2	400	SPAIN	2004
87	TUNEL DE PORTELA	815	SEMI-TRANSVERSAL	FERROVIAL-AGROMAN S.A.	JZR 12-18,5/4	16	296	PORTUGAL	2004
88	TUNEL DE SAN JERONIMO	4603	LONGITUDINAL	SIEMENS	ZVR 1-24-575/6	4	2300	COLOMBIA	2004
89	TUNEL DEL MADROÑO AUTOVIA DEL MEDITERRANEO A7	552 + 508	LONGITUDINAL	TECNOCONTROL	JZR 12-30/4	8	240	SPAIN	2004
90	TUNEL EL ACEBUCHAL AUTOVIA DEL MEDITERRANEO A7	555 + 560	LONGITUDINAL	TECNOCONTROL	JZR 12-30/4	8	240	SPAIN	2004
91	TUNEL DE CHIENBERG	2284	LONGITUDINAL	KANTON BASEL LANDSCHAFT	JZR 6,3-22/2	10	220	SWITZERLAND	2004
92	GIESSEN TUNNEL	1180	LONGITUDINAL	BeCIG v.o.f.	JZR 12-55/4	14	770	NETHERLANDS	2004
93	TUNEL SAN MARCIAL	2 x 1500	LONGITUDINAL	INDRA	JZR 10-30/4	24	720	SPAIN	2004
94	NGANG PASS PROJECT	2000	LONGITUDINAL	GISCO	JZR 10-30/4	4	120	VIETNAM	2004
95	DUBAI AIRPORT TUNNEL PHASE II	2 x 1300	LONGITUDINAL	BK GULF LLC	JZR 14-45/6	44	1800	UNITED ARAB EMIRATES	2004
96	TUNEL DE EZCABA	2 x 750	LONGITUDINAL	SICE	JZR 10-22/4	20	440	SPAIN	2004
97	TUNEL DE LAS ROZAS	723	COMBINADA	TECNOCONTROL	JZR 6-15/2 + JZR 7-15/2 + ZVT 1-18-110/4	11	355	SPAIN	2004
98	TUNELES DE GEDO Y PREDRERO	2500 + 1100	LONGITUDINAL	UTE CORRALES	JZR 12-30/4	64	1920	SPAIN	2004
99	TUNNEL DU SIAIX RN 90	1561	TRANSVERSAL	SEITHA	ZVN 1-18-315/4	2	630	FRANCE	2004



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

100	TUNEL FARIA LIMA	480	LONGITUDINAL	ODEBRECHT	JZR 7-21/2	18	378	BRAZIL	2004
101	TUNELES TUPPER - COPIAPO	500	LONGITUDINAL	CONSTRUCTORA NORTE SUR	JZR 7-22/2 + JZR 5-7,5/2	17	301.5	CHILE	2004
102	TUNEL EL CONTRAQUIL	256	LONGITUDINAL	UTE CANGAS	JZR 12-30/4	4	120	SPAIN	2004
103	LA DEFENSE	BUS STATION	TRANSVERSAL	CEGELEC	ZVN 1-12-45/4 + ZVN 1-14-90/4 + ZVN 1-16-160/4 + ZVN 1-16-200/4	4	495	FRANCE	2004
104	TUNEL PASAJE FARIA LIMA - REBOUÇAS	394	LONGITUDINAL	ANSETT TECNOLOGIA E INGENIERIA LTDA	JZR 7-21/2	12	252	BRAZIL	2004
105	TUNELES D'AMBROSIO Y SIGILLITO	1821 + 1396	LONGITUDINAL	SOGI (PIZZAROTTI)	JZR 10-30/4	24	720	ITALY	2005
106	TUNELES DE ZALDIBAR	600 + 600	LONGITUDINAL	UTE TUNELES DE ZALDIBAR	JZR 10-30/4	14	420	SPAIN	2005
107	TUNELES DE SOZINA	4200	LONGITUDINAL	INDRA	JZR 10-30/4	24	720	MONTENEGRO	2005
108	ATHENS PIRAEUS ELECTRIC RAILWAYS	2700	COMBINADA	AEVEKO	JZR 14-37/4 + ZVRv 1-18-200/4	8	948	GREECE	2005
109	GALLERIE: MONTE MARIO, ALLOCCO Y VADO	4500 + 3400 + 2260	LONGITUDINAL	AUTOESTRADE	JZR 12-37/4	69	2553	ITALY	2005
110	CHONGQUING-CHANGSHOU EXPRESSWAY	1800	LONGITUDINAL	INDRA	JZR 9-22/4 + JZR 12-30/4	27	650	CHINA	2005
111	TUNEL SUR AVENIDA INTEROCEANICA	1320	LONGITUDINAL	CARTELLONE	JZR 7-25/2	17	425	ECUADOR	2005
112	TUNEL DE VANA	1450	LONGITUDINAL	TAAVONI RAHDARAN	JZR 7-22/2	40	880	IRAN	2005
113	TUNEL DES TILLEULS	400	LONGITUDINAL	SEITHA	JZR 10-30/4	1	30	FRANCE	2005
114	FASKRUDSFJARDARGÖNG	5700	LONGITUDINAL	ISTAK	JZR 9-15/4	12	180	ICELAND	2005
115	TUNEL DE L'EPINE TUBO NORTE	3150	LONGITUDINAL	SEITHA	JZ 12-45/4 + JZR 12-45/4	29	1305	FRANCE	2005
116	TUNEL DE L'EPINE TUBO SUR	3150	LONGITUDINAL	SEITHA	JZ 11,2-37/4	25	925	FRANCE	2005
117	TUNEL DE ARISTI	2 x 320	LONGITUDINAL	INDRA	JZR 10-30/4	12	360	SPAIN	2005
118	TUNEL DE IKASTAUNDI	2 x 1607	LONGITUDINAL	INDRA	JZR 10-30/4	28	840	SPAIN	2005
119	TUNEL DES MONTS CHAMBERY	900	LONGITUDINAL	SATELEC	JZ 12-45/4	43	1935	FRANCE	2005
120	LANE COVE TUNNEL	2 x 4000	LONGITUDINAL	ALSTOM-AUSTRALIA	JZR 16-75/4 + JZ 16-75/4	120	9000	AUSTRALIA	2005
121	AUTOROUTE A 86 OUEST	2 x 5000	TRANSVERSAL + LONGITUDINAL	SOCATOP	VARIOS	200	15385	FRANCE	2005
122	NEFISE AKÇELIK TUNNEL	3800	LONGITUDINAL	SIEMENS	JZR 12-30/4	84	2520	TURKEY	2005
123	GALLERIA LA TORINA SS 23	660	LONGITUDINAL	SATREL	JZR 10-30/4	14	180	ITALY	2005
124	GALLERIA CRAVIALE SS 23	1060	LONGITUDINAL	SATREL	JZR 10-30/4	8	240	ITALY	2005



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

125	TUNEL EL PERDON	2 x 1005	LONGITUDINAL	U.T.E. AUTOVIA	JZR 10-30/4	16	480	SPAIN	2005
126	TUNEL CALLE COSTA RICA M-30	200	LONGITUDINAL	FCC CONSERVACION Y SISTEMAS	JZR 7-22/2	8	176	SPAIN	2005
127	TÖRNSKOG NORRORTSLEDEN TUNNEL	2058	LONGITUDINAL	EL AND INDUSTRIMONTAGE SVENSKA AB	JZ 12-30/4	24	720	SWEDEN	2005
128	TUNEL DE PRIAÑES	611	LONGITUDINAL	SICE	JZR 12-30/4 + JZR 6-7,5/2	14	375	SPAIN	2005
129	TUNEL COLL DE FRARE	495	LONGITUDINAL	IMISA DE MANTENIMIENTO Y MONTAJE	JZR 10-30/4	6	180	SPAIN	2005
130	TUNEL AVENIDA PIO XII	1200	LONGITUDINAL + SEMITRANSVERSAL	UTE INSTALACIONES PIO XII	ZVR 1-22-160/6 + JZR 9-22/4	44	1520	SPAIN	2005
131	FLUGHAFEN WIEN BAHNHOF	1500	COMBINADA	ÖBB INFRASTRUKTUR BAU AG	JZR 10-30/4 + ZVN 1-10-18,5/4	16	434	AUSTRIA	2005
132	KARSIYAKA TUNNEL	1623	LONGITUDINAL	SAVRONIK	JZR 12,5-45/4	18	810	TURKEY	2005
133	FUNICULAR TAKSIM - KABATAS	640	TUNNEL EMERGENCY & STATIONS	YAPI MERKEZI	ZVR 1-28-355/8 + ZVRv 1-20-250/4 + ZVR 1-20-132/6 + ZVR 1-20-160/6	5	1147	TURKEY	2005
134	TUNEL DE LANTUENO AUTOVIA CANTABRIA - MESETA	670	LONGITUDINAL	FERROVIAL AGROMAN	JZR 10-30/4	12	360	SPAIN	2005
135	TUNEL PUERTO DE PIQUERAS	2430	LONGITUDINAL	TUNEL DE PIQUERAS UTE	JZR 12-45/4	30	1350	SPAIN	2005
136	SXISTO TUNNEL	2 x 560	LONGITUDINAL	KLEARCHOS G. ROUTSIS SA	JZR 7-22/2	10	220	GREECE	2005
137	TUNEL DE LA BARROSA	720	LONGITUDINAL	ELAGAS	JZR 12-37/4	6	222	SPAIN	2005
138	TUNEL EL ESTRECHO	700	LONGITUDINAL	ELAGAS	JZR 12-37/4	6	222	SPAIN	2005
139	TUNEL EL COBAS	474	LONGITUDINAL	ELAGAS	JZR 12-37/4	6	222	SPAIN	2005
140	TUNEL EN CENTRO COMERCIAL	335	LONGITUDINAL	ELECSA	JZR 7-22/2	6	132	SPAIN	2005
141	INTERCHANGE METSOBO	420	LONGITUDINAL	AKTOR ATE	JZR 12-55/4	3	165	GREECE	2005
142	AMENAGEMENT DU CARREFOUR CHEVALLEY	2 x 500	LONGITUDINAL	HYDRO - TECHNIQUE (INGEROP)	JZR 9-22/4	8	176	ALGERIA	2005
143	UMSKARD E 12 TUNNELS	3700	LONGITUDINAL	J.L. BRUVIK	JZR 12-22/4	8	176	NORWAY	2005
144	TUNEL MONTE JARRIO	826 + 871	LONGITUDINAL	FCC CONSTRUCCION	JZR 10-30/2 + JZR 6-7,5/2	18	495	SPAIN	2005
145	TUNEL DE ABOÑO MUSEL	400	LONGITUDINAL	UTE ABOÑO MUSEL	JZR 12-37/4	6	222	SPAIN	2005
146	TUNNEL PORTE DES LILAS	1050	LONGITUDINAL	CEGELEC	JZR 12-45/4	36	1620	FRANCE	2005
147	T.C.S.P. SAINT QUENTIN	100 + 460 + 240	SEMITRASVERSAL	SEITHA	JZR 7-22/2 + ZVN 1-14-37/6 + ZVN 1-18-200/4	14	872	FRANCE	2005
148	TRAMO I SOTERRAMIENTO MARQUES MONISTROL -PUENTE DE SEGOVIA	8300	COMBINED LONGITUDINAL-EXHAUST	DRAGADOS	ZVN 1-18-132/4+ZVN 1-20-160/6+ZVN 1-20-200/6+ZVN 1-25-250/6+ZVN 1-25-315/6+ZVN 1-25-355/6+ZVN 1-25-400/6+ZVN 1-10-15/4+ZVN 1-25-315/6+ZVN 1-16-75/6+JZR 9-22/4+ZVN 1-	274	11509	SPAIN	2006
149	TRAMO II SOTERRAMIENTO DE LA M-30 ENTRE EL PTE.SEGOVIA - PTE.SAN ISIDRO	3800	COMBINED LONGITUDINAL-EXHAUST	FERROVIAL-AGROMAN	ZVN 1-25-355/6 + ZVN 1-25-315/6 + ZVN 1-22-200/6 + ZVN 1-25-450/6 + ZVN 1-10-15/4 + JZR 9-22/4	109	9549	SPAIN	2006



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

150	TRAMO III SOTERRAMIENTO PUENTE SAN ISIDRO - PUENTE PRAGA	6400	COMBINED LONGITUDINAL-EXHAUST	ACCIONA	ZVN 1-20-75/6+ZVN 1-20-200/6+ZVN 1-28-110/8+ZVN 1-28-160/8+ZVN 1-28-200/8+ZVN 1-28-250/8+ZVN 1-28-450/8+ZVN 1-18-45/8+ZVN 1-14-37/6+ZVN 1-12-18 5/6+ZVN 1-10-	241	9303	SPAIN	2006
151	TRAMO IV SOTERRAMIENTO PUENTE DE PRAGA Y NUDO SUR	7650	COMBINED LONGITUDINAL-EXHAUST	FCC	ZVN 1-20-110/6+ZVN 1-22-160/8+ZVN 1-28-160/8+ZVN 1-28-200/8+ZVN 1-28-315/8+ZVN 1-10-15/4+JZR 10-30/4	156	9575	SPAIN	2006
152	RESALAT TUNNEL	830 + 850	LONGITUDINAL	GARIVE KAN	JZR 12-30/4	48	1440	IRAN	2006
153	BY PASS SUR TUNEL SUR	3900	TRANSVERSAL	FCC - DRAGADOS	ZVNv 1-25-500/6+ZVNv 1-25-560/6+ZVNv 1-25-630/6+ZVN 1-28-250/8+ZVN 1-28-315/8+ZVN 1-28-450/8+ZVN 1-28-500/8+ZVN 1-28-560/8+ZVN 1-28-630/8	20	10050	SPAIN	2006
154	BY PASS SUR TUNEL NORTE	3900	TRANSVERSAL	ACCIONA - FERROVIAL	ZVN 1-20-200/6+ZVNv 1-25-200/6+ZVNv 1-25-400/6+ZVNv 1-25-560/6+ZVNv 1-25-630/6+ZVN 1-28-630/8	12	5240	SPAIN	2006
155	TUNEL GUADARRAMA - VALLE DE LOS CAIDOS - S.RAFael	3000	LONGITUDINAL	INDRA	JZR 16-75/4	28	2100	SPAIN	2006
156	SOTERRAMIENTO FERROVIARIO DE PALMA DE MALLORCA	1100	LONGITUDINAL	UTE CORREDOR	ZVM 1-16-75/6 + ZVM 1-18-250/4	12	2300	SPAIN	2006
157	TUNELES DE LA CIRCUNVALACION A SANTA CRUZ DE LA PALMA	322 + 562 + 585 + 85	LONGITUDINAL	UTE LA PALMA	JZR 12-30/4	18	540	SPAIN	2006
158	CIUDAD DEPORTIVA PIO XII - SALIDA MONFORTE DE LEMOS	1629	LONGITUDINAL	UTE INSTALACIONES PIO XII	JZR 7-22/2	4	88	SPAIN	2006
159	BOLU TUNNEL	2900	LONGITUDINAL	GEMMO IMPIANTI - GEOTUNNEL	JZ 12,5-45/4 + JZR 12,5-45/4	50	2250	TURKEY	2006
160	B 426n ORTUMGEHUNG NIEDER-RAMSTADT LOHBERGTUNNEL	1080	LONGITUDINAL	AMT FÜR STRABEN- UND VERKEHRSWESEN DARMSTADT	JZR 12-30/4 + ZVP 1-10-7,5/6	4	97.5	GERMANY	2006
161	TUNEL TIMIJIRIQUE	615	LONGITUDINAL	ACCIONA INFRAESTRUCTURAS	JZR 10-30/4	6	180	SPAIN	2006
162	TUNNEL DU SCHIRMECK	528	LONGITUDINAL	SEITHA	JZR 12-37/4	13	481	FRANCE	2006
163	TUNEL N-I CONDADO DE TREVIÑO	520 + 320	LONGITUDINAL	COBRA GRUPO	JZR 12-45/4	10	450	SPAIN	2006
164	EXTENSION OF BRÜNNEN TUNNEL	550	LONGITUDINAL	GENOSSENSCHAFT MIGROS AARE	JZR 12-30/4 + JZR 12-22/4	6	156	SWITZERLAND	2006
165	TUNEL DE RAIMEUX	3217	LONGITUDINAL	TIEFBAUAMBT DES KANTION BERN	JZR 10-30/4 + gEL 9-7,5/4	8	75	SWITZERLAND	2006
166	RAPSOMMATI ROAD TUNNEL	1365	LONGITUDINAL	AKTOR, S.A.	JZR 12-45/4	10	450	GREECE	2006
167	S1 TUNNEL - SOUTH LANE	745	LONGITUDINAL	AKTOR ATE	JZR 12-55/4	10	550	GREECE	2006
168	TUNEL LA POLVORA	2180	COMBINADA	FERROVIAL AGROMAN CHILE, S.A.	JZR 6-11/2 + JZR 12-30/4 + JZR 12-37/4 + ZVT 1-20-110/6 + ZVT 1-20-132/6	16	666	CHILE	2006
169	TUNELES DE EL MARCHANTE	2 x 1400	LONGITUDINAL	UTE AUTOVIA NERJA - ALMUÑECAR	JZR 12-30/4	20	600	SPAIN	2006
170	ECHANGEUR DEFINITIF DE LA JONCHERE	700	LONGITUDINAL	SEITHA	JZR 12-45/4	5	225	FRANCE	2006
171	TUNEL SA MOLA	1330	LONGITUDINAL	U.T.E. SA MOLA	JZR 12-45/4	8	360	SPAIN	2006
172	TUNNEL KINIMIDOS	2500	LONGITUDINAL	AKTOR S.A.	JZR 12-45/4	24	1080	GREECE	2006
173	DICHALORAMA TUNNEL	2500	LONGITUDINAL	LAMDA TECHINICAL S.A.	JZR 12-45/4	16	720	GREECE	2006
174	EPAD VOIE DES BATISSEURS	500	LONGITUDINAL	CEGELEC	JZ 10-30/4	12	360	FRANCE	2006



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

175	LABORATOIRE DE RECHERCHE SOUTERRAIN - ANDRA EST	2x500		VINCI CONSTRUCCION	ZVR 1-18-250/4	1	250	FRANCE	2006
176	TUNEL SAN ESTEVE D'EN BAS	918	LONGITUDINAL	UTE SAN ESTEVE D'EN BAS	JZR 12-37/4	10	370	SPAIN	2006
177	CIUDAD DEPORTIVA PIO XII - SINESIO DELGADO		LONGITUDINAL	UTE INSTALACIONES PIO XII	JZR 7-22/2	16	352	SPAIN	2006
178	TUNELES AUTOPISTA CIRCUNVALACION ALICANTE	400 + 400	LONGITUDINAL	DRAGADOS	JZR 10-22/4	16	352	SPAIN	2006
179	LOTINGETUNNELN	1000	LONGITUDINAL	NCC	JZR 12,5-55/4	17	935	SWEDEN	2006
180	TUNELES CARRETERA CANDÁS - LUANCO	554	LONGITUDINAL	SICE	JZR 12-37/4	8	296	SPAIN	2006
181	SAIGON EAST -WEST HIGHWAY	2000	COMBINADA	KAWASAKI HEAVY INDUSTRIES - GTECH JOINT VENTURE	ZVnV 1-37,5-500/10 + JZR 12,5-37/4	16	2444	VIETNAM	2006
182	ULUBURUN TUNNELS	900	LONGITUDINAL	SIEMENS	JZR 12-30/4	12	360	TURKEY	2006
183	PUNE - SATARA TUNNELS	2 x 1223	LONGITUDINAL	AGROMACH SPARES CORPORATION	JZR 12-37/4	24	888	INDIA	2006
184	TUNNEL DU PAILLON A 8	404	LONGITUDINAL	SEITHA	JZR 9-30/4	10	300	FRANCE	2006
185	HOGENHEIN TUNNEL	2.800	LONGITUDINAL	J.L BRUVIK	JZR 10-15/4	6	90	NORWAY	2006
186	SOTERRAMIENTO AVDA. PORTUGAL ENTRE PASEO EXTREMADURA Y LA M-30	2 x 1700	COMBINED LONGITUDINAL-EXHAUST	SACYR S.A.	ZVR 1-24-250/6 + ZVN 1-25-315/6 + ZVN 1-10-18,5/4 + JZR 10-30/4 + JZR 10-18,5/4	62	4995	SPAIN	2006
187	FLUGHAFEN WIEN BAHNHOF		COMBINED LONGITUDINAL-EXHAUST	ÖBB INFRASTRUKTUR BAU AG	ZVN 1-14-37/4+ZVR 1-14-37/4+ZVM 1-14-55/4+ZVN 1-20-132/6+JZR 4-3/2	16	872	AUSTRIA	2007
188	TUNEL EL GUINCHO	745	LONGITUDINAL	SACYR	JZR 7-22/2	8	176	SPAIN	2007
189	TUNEL DEL CARBAYO	495	LONGITUDINAL	UTE VIASTUR	JZR 12-45/4	4	180	SPAIN	2007
190	TUNEL DE BOBES	350	LONGITUDINAL	UTE VIASTUR	JZR 12-37/4	12	444	SPAIN	2007
191	ESTACION DE AUTOBUSES	350	LONGITUDINAL	IMES	JZR 6-15/2	14	210	SPAIN	2007
192	TUNEL DE VIELHA	5600	SEMITRANSVERSAL	UTE TUNEL DE VIELHA	JZR 16-55/4+ZVN 1-20-355/4+ZVN 1-20-500/4+ZVR 1-20-500/4+ZVR 1-20-630/4	17	4465	SPAIN	2007
193	TUNEL DE GUADARRAMA	28000	LONGITUDINAL AND COMBINED SACCARDO	UTE TUNEL DE GUADARRAMA	ZVR 1-20-560/4 + ZVR 1-20-450/4	18	8760	SPAIN	2007
194	WATTKOPFTUNNEL		LONGITUDINAL		JZR 7-30/2	3	90	GERMANY	2007
195	TUNEL DE GELVES	190	LONGITUDINAL	CORSAN-CORVIAM ESTUDIOS	JZR 6-11/2 + JZR 14-30/6	8	156	SPAIN	2007
196	TUNNEL KLIMKOVICE	1075	LONGITUDINAL	METROSAV a.s.	JZR 12-30/4	16	480	CZECH REPUBLIC	2007
197	TUNNEL MAURICE LEMAIRE	6950	SEMITRANSVERSAL	SEITHA	ZVN 1-20-160/6 + JZR 10-30/4	42	1780	FRANCE	2007
198	TUNNEL DE SOMACONCHA	1540	LONGITUDINAL	FERROVIAL AGROMAN S.A.	JZR 12-37/4	24	888	SPAIN	2007
199	TUNNEL I GUADARRAMA	3345	LONGITUDINAL	INDRA SISTEMAS S.A.	JZR 16-75/4	32	2400	SPAIN	2007



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

200	TUNNELS CASTELLOT AUCAT	1714	LONGITUDINAL	COBRA INSTALACIONES Y SERVICIOS S.A.	JZR 14-22/4	12	264	SPAIN	2007
201	TUNNEL DE SAN PEDRO L.A.V. (TUBO OESTE)	8900	LONGITUDINAL	OHL	JZR 10-22/4	56	880	SPAIN	2007
202	TUNNEL DE SAN PEDRO L.A.V. (TUBO ESTE)	8900	LONGITUDINAL	U.T.E. SAN PEDRO	JZR 10-22/4	40	880	SPAIN	2007
203	TUNNEL 2 DE PEÑAFLORES	757	LONGITUDINAL	VIBLAN	JZR 12-30/4	6	180	SPAIN	2007
204	TUNNEL DE LUKO	600	LONGITUDINAL	UTE MENDIZULOA	JZR 10-30/4	16	480	SPAIN	2007
205	GALLERIA SAN DEMETRIO	2900	LONGITUDINAL	SOGI	JZR 10-30/4	37	1110	ITALY	2007
206	GALLERIA FILIPELLA	1300	LONGITUDINAL	SOGI	JZR 10-30/4	20	600	ITALY	2007
207	GALLERIA SAN FRATELLO	765	LONGITUDINAL	SOGI	JZR 10-30/4	16	480	ITALY	2007
208	GALLERIA COZZO BATTAGLIA	1600	LONGITUDINAL	SOGI	JZR 10-30/4	24	720	ITALY	2007
209	GALLERIA SERENA	1184	LONGITUDINAL	SOGI	JZR 10-30/4	20	300	ITALY	2007
210	TUNNEL ROUTE DE LA CORNICHE SOUMBIDIUM	300	LONGITUDINAL	CONSORTIUM D'ENTREPRISES	JZR 7-22/2	16	352	SENEGAL	2007
211	TUNEL DE LA CELA	500	LONGITUDINAL	INCYS DE CLIMATIZACION	JZR 9-22/4	6	132	SPAIN	2007
212	AGIA KIRIAKI TUNNEL	1000	LONGITUDINAL	AEGEK	JZR 12-55/4	6	330	GREECE	2007
213	TUNEL MARIANI (PR-53)	600	LONGITUDINAL	FERROVIAL-AGROMAN SA.	JZR 14-52/4	17	884	PUERTO RICO	2007
214	TUNEL DE SANTA ISABEL	585	LONGITUDINAL	UTE RONDA ESTE ZARAGOZA	JZR 9-22/4	28	616	SPAIN	2007
215	ESTACION DE MIRIVILLA			GLOBAL ENERGY SERVICES SIEMSA	ZVR 1-14-90/4	2	180	SPAIN	2008
216	ESTACION DE LUCEROS		LONGITUDINAL + POZOS	ESTACION DE LUCERO ALICANTE UTE	JZR 7-18,5/2+ZVN 1-12-15/6+ZVR 1-18-90/6	9	306	SPAIN	2008
217	TUNEL DE GURUTZETXIKI	710	LONGITUDINAL	EMTE NORTE S.L.U.	JZR 12-45/4	12	540	SPAIN	2008
218	TUNEL EIRIS	410	LONGITUDINAL	ANGEL IGLESIAS S.A.	JZR 12-37/4	12	444	SPAIN	2008
219	TUNEL DE CANTALOBOS	2130	LONGITUDINAL	LA HERRADURA UTE	JZR 14-45/4	42	1890	SPAIN	2008
220	BORIK TUNNEL	1000	LONGITUDINAL	PPA INZINIERING s.r.o	JZR 10-30/4	16	480	SLOVAK REPUBLIC	2008
221	SANDTON STATION, PARK STATION & ROSEBANK STATION GAUTRAIN			KENTZ AUTOMATION AND DRIVES	ZVRv 1-20-315/4 + ZVRv 1-20-250/4 + ZVR 1-20-250/4	11	3075	SOUTH AFRICA	2008
222	HAUKABOEN TUNNEL	2800	LONGITUDINAL	J L BRUVIK	JZR 10-30/4	6	180	NORWAY	2008
223	TOHID TUNNEL	2183	LONGITUDINAL+SACARDO	PERLITE CONSTRUCTIONCOMPANY	JZR 12-30/4+ZVN 1-22-355/6+ZVNv 1-20-250/6+ZVN 1-20-160/6+ZVN 1-20-200/6+ZVN 1-18-90/6	81	4515	IRAN	2008
224	TUNEL ACCESO PUERTO VALENCIA	250	LONGITUDINAL	SICE	JZR 7-22/2	40	880	SPAIN	2008



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

225	TUNEL RONDA ESTE	276	LONGITUDINAL	UTE LOS OMEYAS	JZR 7-22/2	16	352	SPAIN	2008
226	ACCESO AL AEROPUERTO	800	SEMITRANSVERSAL	ACCIONA INFRAESTRUCTURAS	ZVR 1-24-250/6+JZR 7-22/2	37	1270	SPAIN	2008
227	TUNNEL DU MONT SION	3000	LONGITUDINAL	SEITHA	JZR 12-55/4	38	2090	FRANCE	2008
228	TUNNEL D'AIGUEBELLE ET HURTIERES	900+1200	LONGITUDINAL	SEITHA	JZ 12-45/4	37	1665	FRANCE	2008
229	NIPETUNNEL	1700	LONGITUDINAL	J. L. BRUVIK	JZR 10-30/4	3	90	NORWAY	2008
230	TUNEL DE BRACONS	4600	SEMITRANSVERSAL	TUNEL DE BRACONS UTE	ZVN 1-20-315/4 + JZR 16-90/4	17	1980	SPAIN	2008
231	TUNEL DE LA SALA	460	LONGITUDINAL	TUNEL DE BRACONS UTE	JZR 12-30/4	8	240	SPAIN	2008
232	TUNEL SANT ANDREU DE LA VOLA	490	LONGITUDINAL	TUNEL DE BRACONS UTE	JZR 12-30/4	8	240	SPAIN	2008
233	TUNEL DE CAN TUNIS	1400	TRANSVERSAL	COBRA INSTALACIONES Y SERVICIOS	ZVR 1-24-400/6	4	1600	SPAIN	2008
234	TUNEL DE FUENTEBUENA		LONGITUDINAL	ETRALUX	JZR 10-30/4	4	120	SPAIN	2008
235	TUNEL DE LA ROVIRA	1320	LONGITUDINAL	EMTE	JZR 12-45/4	17	765	SPAIN	2008
236	TUNEL DE TABAZA	2150	LONGITUDINAL	ARCELORMITTAL ESPAÑA	JZR 12-37/4	6	222	SPAIN	2008
237	KAGITHANE - PIYALEPASA TUNNEL	1615	LONGITUDINAL	ULTRA TEKNOLOJI SANAYI VE TICARET	JZR 12-37/4	18	666	TURKEY	2008
238	FATLATUNNEL	2100	LONGITUDINAL	J.L. BRUVIK	JZR 12-30/4	6	180	NORWAY	2008
239	TUNEL DE LA CODINA	1450	LONGITUDINAL	IMISA	JZR 14-30/4	14	420	SPAIN	2008
240	TUNEL DE ARLABAN	3377	LONGITUDINAL	INDRA SISTEMAS	JZR 14-55/4	56	3080	SPAIN	2008
241	MYRKDALSTUNNEL	1900	LONGITUDINAL	J.L. BRUVIK	JZR 12-37/4	4	148	NORWAY	2008
242	TUNNEL DE BOUIRA	1200	LONGITUDINAL	INDRA SISTEMAS	JZR 7-11/2	66	981	ALGERIA	2008
243	BOMOTI - DOLMABAHCE TUNNEL	2330	LONGITUDINAL	ULTRA TEKNOLOJI	JZR 12-37/4	36	1332	TURKEY	2008
244	TUNEL DE CERDERA	800	LONGITUDINAL	JVILA	JZR 12-30/4	10	300	SPAIN	2009
245	7th CROSSING CORRIDOR (BUR DUBAI SIDE)	1600	LONGITUDINAL	SAT ENGINEERING & SUPPLIES L.L.C.	JZR 12-45/4	12	540	UNITED ARAB EMIRATES	2009
246	TUNEL DE LAMIARRI	500	LONGITUDINAL	INDRA SISTEMAS SA	JZR 10-30/4	5	150	SPAIN	2009
247	FREIFJORD TUNNEL	8700	LONGITUDINAL	JL BRUVIK	JZR 12-18,5/4	30	555	NORWAY	2009
248	GARE D'HENDAYE		LONGITUDINAL	SEITHA	JZR 12-30/4	2	60	FRANCE	2009
249	SOUTHERN TUNNEL CROSSING IN YAS ISLAND	1200	LONGITUDINAL	SAT ENGINEERING & SUPPLIES L.L.C.	JZR 12-30/4 + JZR 9-15/4	40	1020	UNITED ARAB EMIRATES	2009



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

250	PHASE 3 - M6 MOTORWAY	1356	LONGITUDINAL	STRABAG ANLAGENTEHNIK GmbH	JZR 10-30/4	40	1200	HUNGARY	2009
251	TONNEL N° 2 DUBLIOR KURORTNOGO PROSPEKTA	370	LONGITUDINAL	OAO TONNELNY OTRIAD N.44	JZR 10-22/4	5	110	RUSSIA	2009
252	T1 & T4 AUTOROUTE EST - OUEST	2500+2500	LONGITUDINAL	CEGELEC	JZR 12-37/4	99	3663	ALGERIA	2009
253	STOELSNES TUNNEL	3200	LONGITUDINAL	JL BRUVIK	JZR 12,5-30/4	8	240	NORWAY	2009
254	TUNEL DE VILAFRANCA DEL PENEDÉS	1380	LONGITUDINAL	COBRA INSTALACIONES Y SERVICIOS	JZR 7-22/2	20	440	SPAIN	2009
255	TUNEL DEL PRAT DE LLOBREGAT	4206	LONGITUDINAL	COBRA INSTALACIONES Y SERVICIOS	JZR 7-22/2	26	572	SPAIN	2009
256	TUNEL DE LA TORRASA	4228		COBRA INSTALACIONES Y SERVICIOS	ZVR 1-24-250/6 +ZVRv 1-24-250/6+JZR 7-22/2	14	2132	SPAIN	2009
257	ARTEMISSION TUNNEL	1310	LONGITUDINAL	J.V. MOREAS	JZR 12,5-55/4 + JZR 12,5-75/4	20	1310	GREECE	2009
258	NEOCHORI TUNNEL RIGHT BRANCH	720	LONGITUDINAL	J.V. MOREAS	JZR 12,5-75/4 +JZR 12-55/4	22	1490	GREECE	2009
259	TUNEL DE AMISALAIETA	648	LONGITUDINAL	SICE	JZR 12-37/4	4	148	SPAIN	2009
260	TUNEL DE BASATAUNDI	666	LONGITUDINAL	SICE	JZR 12-37/4	4	148	SPAIN	2009
261	TUNEL DEL FRESNO	950	LONGITUDINAL	ACCIONA INFRAESTRUCTURAS	JZR 12-30/4	20	600	SPAIN	2009
262	TUNNEL DES TUILERIES	865	SEMITRANSVERSAL	CEGELEC	ZVN 1-18-250/4 + JZ 10-30/4	10	1180	FRANCE	2009
263	AMPLIACION AEROPUERTO DE MALAGA	2900	LONGITUDINAL	UTE NUEVA PISTA	ZVN 1-14-37/4+ZVN 1-14-30/4+ZVR 1-24-315/6+JZR 12-22/4+JZR 7-18,5/2	14	926	SPAIN	2009
264	TÚNEL DE RAÑADOIRO	1800	LONGITUDINAL	TÚNEL DEL RAÑADOIRO UTE	JZR 12-55/4	18	990	SPAIN	2009
265	TUNNEL DE ZAQUIAT AIT MELLAL	550	LONGITUDINAL	INDRA	JZ 10-30/4	25	750	MOROCCO	2009
266	LEIRA TUNNEL	1930	LONGITUDINAL	J.L.BRUVIK. A.S	JZR 12-22/4	6	22	NORWAY	2009
267	GALLERIA SOLAGNE	1264	LONGITUDINAL	SATREL	JZR 10-30/4	18	540	ITALY	2009
268	GALLERIA PEDASO	1100	LONGITUDINAL	SATREL	JZR 10-30/4	14	420	ITALY	2009
269	GALLERIA GROTTAMMARE	1211	LONGITUDINAL	SATREL	JZR 10-30/4	18	540	ITALY	2009
270	GALLERIA CUPRMARITTIMA	1100	LONGITUDINAL	SATREL	JZR 10-30/4	16	480	ITALY	2009
271	GALLERIA BANZOLE	1200	LONGITUDINAL	SATREL	JZR 10-30/4	16	480	ITALY	2009
272	TRANCHÉE COVERTURE DE MEYRIN	565	LONGITUDINAL	ARNOLD AG / ENERGY & TELECOM	JZR 6-15/2	12	180	SWITZERLAND	2009
273	TÚNEL PENYA DEL LLAMP	1089	LONGITUDINAL	COBRA	JZR 14-22/4 + JZR 14-37/4	12	354	SPAIN	2009
274	FLENJATUNNEL	5053	LONGITUDINAL	J.L.BRUVIK. A.S	JZR 12,5-22/4	20	440	NORWAY	2009



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

275	HATFIELD TUNNEL	1150	LONGITUDINAL	SKANSKA BALFOUR BEATTY JOINT VENTURE	JZR 10-30/4	56	1680	UNITED KINGDOM	2009
276	TUNEL PILATON	500	LONGITUDINAL	SOLUCIONES Y SUMINISTROS S.A.	JZR 10-30/4	10	300	ECUADOR	2009
277	TUNEL VARIANTE OESTE ARRASATE	860	LONGITUDINAL	UTE VARIANTE OESTE ARRASATE	JZR 12-30/4	12	360	SPAIN	2009
278	NEOCHORI TUNNEL LEFT BRANCH	720	LONGITUDINAL	J.V. MOREAS	JZR 16-90/4	16	1440	GREECE	2009
279	TUNEL C1	1961	COMBINADA	COMPUNET INCORPORATION LIMITED	ZVN 1-18-200/ + ZVN 1-20-400/4 + JZR 12-22/4	84	8388	RUSSIA	2009
280	GALLERIA SAN FILIPPO SUD	1183	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
281	GALLERIA SAN FILIPPO NORD	1052	LONGITUDIANL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	20	540	ITALY	2010
282	GALLERIA SANTA LUCIA NORD	941	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	16	432	ITALY	2010
283	GALLERIA SANTA LUCIA SUD	1058	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
284	GALLERIA MURO NORD	975	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
285	GALLERIA BRANCATO NORD	1787	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
286	GALLERIA FONTANELLE NORD	921	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
287	GALLERIA BAGNARA NORD	1347	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	14	378	ITALY	2010
288	GALLERIA SAN GIOVANNI NORD	1307	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
289	GALLERIA COSTA VIOLA NORD	925	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	10	270	ITALY	2010
290	GALLERIA VARDARU SUD	1004	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	20	540	ITALY	2010
291	GALLERIA BARRITERI SUD	2653	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	16	432	ITALY	2010
292	GALLERIA BARRITERI NORD	2608	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	24	702	ITALY	2010
293	GALLERIA BAGNARA SUD	1370	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	16	432	ITALY	2010
294	GALLERIA SAN GIOVANNI SUD	1208	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	20	540	ITALY	2010
295	GALLERIA MURO SUD	1021	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	18	486	ITALY	2010
296	GALLERIA FONTANELLE SUD	783	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
297	GALLERIA VARDARU NORD	1235	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	12	324	ITALY	2010
298	GALLERIA BRANCATO SUD	1748	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	22	594	ITALY	2010
299	GALLERIA COSTA VIOLA SUD	916	LONGITUDINAL	GRUPPO PSC S.p.A. - ANAS	JZR 10-27/4 II 10	18	486	ITALY	2010



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

300	GLURINGEN TUNNEL		LONGITUDINAL	J.L.BRUVIK. A.S	JZR 12-37/4	6	222	ITALY	2010
301	PASSEGE SOUTERRAIN PARC DES PRINCES	1160	LONGITUDINAL	AXIMA CONCEPT	JZR 12-37/4	18	37	ITALY	2010
302	TUNEL PERUENA	450	LONGITUDINAL	INDRA SISTEMAS	JZR 14-30/4	14	420	ITALY	2010
303	STERNA TUNNEL	950	LONGITUDINAL	J.V. MOREAS	JZR 16-90/4 + JZR 12-45/4	28	2070	ITALY	2010
304	TUNNEL DU PETTIT BRION	540	LONGITUDINAL	SEITHA	JZR 12-55/4	2	110	ITALY	2010
305	KALOGERIKO TUNNEL		LONGITUDINAL	J.V. MOREAS	JZR 12,5-75/4 + JZR 12-45/4	26	1710	ITALY	2010
306	TÚNEL DE LOS YÉBENES	882	LONGITUDINAL	SICE	JZR 7-22/2	14	308	ITALY	2010
307	TUNNEL DES OUDAYAS	485	LONGITUDINAL	MAROC SIGNAL	JZR 10-30/4	14	420	ITALY	2010
308	A6B	9000	TRANSVERSAL	CEGELEC PARIS	ZVn 1-12-30/4 + ZVN 1-8-3/4	25	399	ITALY	2010
309	TÚNEL DE MONREPÓS	1500	LONGITUDINAL	FCC CONSTRUCCIONES S.A.	JZR 12-45/4	42	1890	ITALY	2010
310	TUNNEL DE LA JOLIETTE	1400	SEMITRANSVERSAL	AXIMA SEITHA	ZVN 1-18-110/4 + JZR 10-30/4	18	860	ITALY	2010
311	GALLERIA CHIUSOLE DI ROVERETO	570	LONGITUDINAL	BENEDITTI s.r.l	JZR 10-30/4	4	120	ITALY	2010
312	TUNNEL DE CHAMPIGNY SUR MARNE	1090	TRANSVERSAL	AXIMA SEITHA	ZVN 1-24-500/4	4	2000	ITALY	2010
313	TUNEL SERVICIOS AEROPORTUARIOS	3045	MASSIVE EXTRACTION	DRAGADOS	ZVN 1-22-355/6 + JZR 12-30/4 + JZR 12-45/4 + JZR 12-55/4 + JZR 16-75/4	30	1690	ITALY	2010
314	GALLERIA DI BASE VARIANTE DI VALICO	8700	LONGITUDINAL	SATREL, S.p.A. - AUTOSTRADE PER L'ITALIA, S. p. A.	JZR 12,5-38/4 II 10	74	2812	ITALY	2010
315	MARINA COASTAL EXPRESSWAY	5000 (3600 UNDERGROUND TUNNEL)	LONGITUDINAL + INTERMEDIATE SHAFT	VOLTAS LTD	JZR 12,5-55/4 + ZVR 1-25-500/6	146	22270	ITALY	2010
316	GALLERIA MELARANCIO Y GALLERIA POZZOLATICO	1096+2400	LONGITUDINAL	AUTOSTRADE PER L'ITALIA, S.P.A.	JZR 12,5-34/4 II 10	27	34	ITALY	2010
317	TUNEL BARRANCO DE LA BATALLA	880+610	LONGITUDINAL	ALCOY UTE	JZR 12-37/4	45	0	ITALY	2010
318	TUNEL DEL ALTO DE LA CRUZ	776	LONGITUDINAL	UTE BIMENES III	JZR 12,5-45/4	6	270	ITALY	2010
319	TUNEL MONTEGIORDANO		LONGITUDINAL	VAZZANA s.r.l.	JZR 7-27/2 NG	36	972	ITALY	2010
320	GALLERIA ANUNCIATA - GIUSTA		LONGITUDINAL	CONSOTER, s.r.l	JZR 12-30/4	10	300	ITALY	2010
321	TÚNEL ACCESOS HUCA		LONGITUDINAL	ACCESOS HUCA UTE	JZR 7-22/2 + JZR 12-37/4	7	199	ITALY	2010
322	TERRACE TUNNELS	500	LONGITUDINAL	WELLINGTON TUNNELS ALLIANCE	JZR 12,5-90/4	8	720	ITALY	2010
323	GALLERIA VALNERINA	3815	LONGITUDINAL	ING. PAVESI & C. S.p.A.	JZR 10-30/4	20	600	ITALY	2010
324	GALLERIA TESCINO	1547	LONGITUDINAL	ING. PAVESI & C. S.p.A.	JZR 10-30/4	10	300	ITALY	2010



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

325	GALLERIA DI SVINCOLO	863	LONGITUDINAL	ING. PAVESI & C. S.p.A.	JZR 10-30/4	10	300	ITALY	2010
326	TÚNEL 1 LOTE 1 DESDOBLAMIENTO AVENIDA KURORTNIY		COMBINADA	OOO ZITRON	ZVN 1-22-200/6 + JZ 10-30/4	12	700	ITALY	2010
327	TÚNEL DE DESPEÑAPERROS	1890	LONGITUDINAL	FCC CONSTRUCCION	JZR 16-55/4	36	1980	ITALY	2010
328	GALLERIA DI BASE VARIANTE DI VALICO	8700	SEMITRANSVERSAL	SATREL, S.p.A. - AUTOSTRAD PER L'ITALIA, S. p. A.	ZVN 1-28-400/6 + ZVN 1-28-450/6	5	2150	ITALY	2010
329	AZMAR TUNNEL	2400	LONGITUDINAL	SAT ENGINEERING SUPPLIES	JZR 12,5-30/4	52	1560	ITALY	2010
330	TÚNEL DE LA GINESTA	962	LONGITUDINAL	COBRA INSTALACIONES Y SERVICIOS	JZR 14-22/4	12	264	ITALY	2010
331	TUNEL DE CHURRIANA	1280	COMBINADA	FERROVIAL AGROMAN	ZVN 1-18-250/4 + JZR 10-30/4	30	1260	ITALY	2010
332	DIRSKOS TUNNEL	4600	TRANSVERSAL	AEGEK CONSTRUCTION	ZVN 1-22-160/6	3	480	ITALY	2011
333	PROLONGEMENT TRAMWAY T3 PORTE D'IVRY - PORTE CHAPELLE	14500	LONGITUDINAL	NIDEC ASI, S.A.	ZVN 1-18-55/6 + ZVN 1-18-75/6	4	260	ITALY	2011
334	TUNNEL C1	1961	LONGITUDINAL	COMPUNET INCORPORATION LIMITED	JZR 12-22/4	10	220	ITALY	2011
335	TUNEL DEL SERRALLO	9500	LONGITUDINAL	AERONAVAL CONSTRUCCIONES INSTALACIONES,S.A	JZR 10-30/4	13	390	ITALY	2011
336	TUNEL SERRANO	8000	LONGITUDINAL CON POZOS	AVE TUNEL SERRANO UTE	ZVR 1-24-250/6 + ZVR 1-24-315/6	6	1760	ITALY	2011
337	TUNELES DEL FOLGOSO	2550	LONGITUDINAL	SETGA S.L.	JZR 12-45/4	28	1260	ITALY	2011
338	TUNEL UASD	1500	LONGITUDINAL	CONSORCIO CORREDOR DUARTE	JZR 6-17/2	10	170	ITALY	2011
339	TYNE CROSSING TUNNEL	1800	LONGITUDINAL	AXIMA SEITHA	JZR 10-30/4	22	660	ITALY	2011
340	TUNEL DE LA VARIANTE DE SANTULLAN	300	LONGITUDINAL	UTE VARIANTE DE SANTULLAN	JZR 12-37/4	6	222	ITALY	2011
341	TUNEL DE LA VEGA	1217	COMBINADA	COBRA INSTALACIONES Y SERVICIOS	ZVN 1-20-160/6 + JZR 9-18,5/4	11	628	ITALY	2011
342	TUNEL DEL BICHO	1100	LONGITUDINAL	COBRA INSTALACIONES Y SERVICIOS	JZR 14-45/4	16	720	ITALY	2011
343	TUNEL DE MONTGROS	1600	LONGITUDINAL	UTE INSTALACIONES EIX DIAGONAL	JZR 10-30/4	24	720	ITALY	2011
344	TUNNEL DE BURÉ	3059	SEMITRANSVERSAL	MAUERHOFER AND ZUBER	JZR 10-30/4 + ZVN 1-25-630/6 + ZVN 1-8-4/4 + ZVN 1-9-11/4	14	1530	ITALY	2011
345	TUNNEL PORTE DE PANTIN	655	LONGITUDINAL	SATELEC SAS	JZR 9-22/4 + JZR 12-37/4	25	700	ITALY	2011
346	TUNNEL DE PONSERAND	1700	LONGITUDINAL	ANSALDO SISTEMI INDUSTRIALI	JZ 12-22/4	20	440	ITALY	2011
347	TUNNEL AL NAHDA - AL MAMZAR	8000	TRANSVERSAL	NEXANS FRANCE	2 x ZVN 1-16-250/4 + 2 x ZVN 1-16-315/4	3	880	ITALY	2011
348	TUNNEL MUSHRIF TO AL MAMZAR	11500	TRASVERSAL	NEXANS FRANCE	ZVN 1-12-110/4+ZVN 2-12,5-200/4+ZVN 2-14-250/4+ZVN 2-14-315/4+ZVN 2-14-355/4+ZVN 2-12,5-250/4	12	3115	ITALY	2011
349	TUNEL 1 CARRETERA	2292	COMBINADA		JZR 10-30/4 + ZVN 1-23-250/6	14	1300	ITALY	2011



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

350	TUNEL 3 CARRETERA	1370	LONGITUDINAL		JZR 11,2-22/4	21	462	ITALY	2011
351	TUNEL 1 FFCC	2100	LONGITUDINAL		JZ 12-30/4	8	240	ITALY	2011
352	TUNEL 5 FFCC	2910	LONGITUDINAL		JZ 12-37/4	8	296	ITALY	2011
353	TUNEL 7 FFCC	1014	LONGITUDINAL		JZ 6-15/2	4	60	ITALY	2011
354	TUNEL DE EL CORVERO	817	LONGITUDINAL	SICE	JZR 12-30/4	10	300	ITALY	2011
355	TUNEL DE LIEDENA	920	LONGITUDINAL	SICE	JZR 12-45/4	26	1170	ITALY	2011
356	TUNEL DE YESA	1613	LONGITUDINAL	SICE	JZR 12-30/4	34	1020	ITALY	2011
357	TUNEL DE SAN PEDRO DE ALCANTARA	1075	LONGITUDINAL	OHL	JZR 7-22/2	36	792	ITALY	2011
358	TUNNEL DE CHALOSSET	700	LONGITUDINAL	CEGELEC CENTRE EST	JZ 12,5-55/4	27	1485	ITALY	2011
359	TUNNEL DE BUSSIÈRE	1000	LONGITUDINAL	CEGELEC CENTRE EST	JZ 12,5-55/4	32	1760	ITALY	2011
360	TUNNEL DE VIOLAY	3900	LONGITUDINAL	CEGELEC CENTRE EST	JZR 12,5-55/4 + JZ 12,5-55/4	56	3080	ITALY	2011
361	TUNEL 2 LOTE 1	3900	LONGITUDINAL	OOO AVMONAL	JZR 9-15/4	12	180	ITALY	2011
362	A 14/ A86	94600	LONGITUDINAL	AXIMA CONCEPT	JZR 12,5-45/4	13	585	ITALY	2011
363	TRAMWAY DU HAVRE		LONGITUDINAL	CEGELEC CENTRE EST	JZR 8-37/2	10	370	ITALY	2011
364	TUNNEL DELS DOS ENVALIRES	2922	LONGITUDINAL	TECNISA	JZ 10-30/4	44	1320	ITALY	2011
365	TUNEL DE DAZA	1710	LONGITUDINAL	DENINAR S.A.	JZR 12-34/4	12	408	ITALY	2011
366	TUNEL DE LA MARGA	710	LONGITUDINAL	OHL	JZR 12-22/4	15	330	ITALY	2011
367	TAIYUAN PROJECT		LONGITUDINAL	COMEX	ZVN1-25-250/6+ZVN1-25-280/6+ZVN1-25-450/6	7	2410	ITALY	2011
368	TUNNEL SOUS LE MONT	1200	LONGITUDINAL	MAUERHOFER ZUBER	JZRi7-27/2+ZVN1-8-3/4+ZVN1-9-11/4	10	190	ITALY	2011
369	TUNNEL DU GRAITERY	2462	LONGITUDINAL		JZRi 8-37/2	8	296	ITALY	2011
370	TUNEL DE COLLABOS	1887	LONGITUDINAL	MINISTERIO DE FOMENTO	JZR 12,5-37/4	19	703	ITALY	2011
371	TÚNEL DE SOMAO	488 + 507	LONGITUDINAL	FCC CONSTRUCCIONES	JZR 12-30/4	18	540	ITALY	2011
372	TUNNEL DE LA CROIX ROUSSE	1782	SEMI-TRANSVERSAL	CEGELEC	ZVRv 1-18-250/4+JZRi 12,5-38/4	45	1605	ITALY	2011
373	TUNNEL DE NOGENT	2150	SEMITRANSVERSAL	ANSALDO SISTEMI INDUSTRIALI S.A.	JZRi 10-30/4+ZVNv16-75/4+ZVN 18-200/4+ZVNv16-355/4+ZVN 1-18-250/4+ZVN 1-16-75/4+ZVN 1-18-400/4+ZVN 1-18-315/4	34	5490	ITALY	2011
374	SHAHRIVAR TUNNEL	750	LONGITUDINAL	BANAFA GHESHM CO	JZR 7-22/2	40	880	ITALY	2011



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

375	TUNEL T1 ET T4	2500+2500	SURPRESSION DES INTER - TUBES	CEGELEC,S.A.	ZVS 1-6,3-1,5/4	9	13.5	ITALY	2011
376	TUNEL DE SCHIRMECK	610	LONGITUDINAL	AXIMA CONCEPT	JZR 12-37/4	1	37	ITALY	2012
377	TUNEL O CAÑIZO-VIA DERECHA	5372	LONGITUDINAL	GEOTUNEL, S.L.	ZVN 1-18-250/4	1	250	ITALY	2012
378	TUNEL DE LANDY	1800	SEMITRANSVERSAL	SATELEC	JZ 10-37/4-12/6+ZVN 1-10-37/4+ZVN 1-16-200/4+ZVN 1-18-200/4+ZVN 1-20-355/4	98	6202	ITALY	2012
379	TUNNEL T1 /T2 tronçon Lakhdaria-Larbaâtach	4000	LONGITUDINAL	SCHNEIDER ELECTRIC ALGERIE	JZR 12-30/4 + ZVN 1-7,1-2/4	104	2896	ITALY	2012
380	TUNEL DE ARGISAO	900	LONGITUDINAL	ANGEL IGLESIAS, S.A.	JZR 10-30/4	22	660	ITALY	2012
381	LOTE Nº2-SOCHI	2500	LONGITUDINAL	AVMONAL	JZ 12-45/4+JZR 14-45/4+JZR 14-30/4+JZ 14-30/4+ZVN 1-23-250/6	24	2190	ITALY	2012
382	TUNEL DE PIEDRAS BLANCAS	230	LONGITUDINAL	UTE PARBAYON	JZR 12-37/4	12	444	ITALY	2012
383	TUNEL PIEDRA COLORADA	458		INGENIERIA Y SERVICIOS ADM, S.A. DE C.V.	JZR 14-86/4	8	688	ITALY	2012
384	TUNEL TORTUGA NUEVO	878		INGENIERIA Y SERVICIOS ADM, S.A. DE C.V.	JZR 14-86/4	10	860	ITALY	2012
385	TUNEL DEL BRUC	1940	LONGITUDINAL	CRC OBRAS Y SERVICIOS, S.L.	JZR 12-45/4	14	630	ITALY	2012
386	TUNELES PUERTO RICO-MOGAN	6300	LONGITUDINAL	UTE GC-1 PUERTO	JZR 12-45/4	57	2565	ITALY	2012
387	TUNEL DE RIAÑO AS-17, TRAMO SAN MIGUEL DE LA BARREDA	1179	LONGITUDINAL	SDAD. IBERICA DE CONSTRUC. ELECTRICAS, S.A.	JZR 12,5-30/4 + JZR 9-22/4	15	60	ITALY	2012
388	TUNEL DES BALESMES	4820	LONGITUDINAL	SER2E, SAS	JZRi 10-27/4	14	378	ITALY	2012
389	TUNEL JUAN MORON GARCIA	620	LONGITUDINAL	EYM INSTALACIONES, S.A.	JZR 12-30/4	12	360	ITALY	2012
390	TUNELES DE JOANET Y COMES	1420+495	LONGITUDINAL	FCC.CONSTRUCCION. S.A	JZR 14-45/4	22	990	ITALY	2012
391	TUNEL DEL BUC	1111	LONGITUDINAL	ISTEM, S.L.	JZR 12,5-45/4	5	225	ITALY	2012
392	TUNELES DE FONTFREDA	668	LONGITUDINAL	ISTEM, S.L.	JZR 14-75/4	9	675	ITALY	2012
393	TUNEL NAIYESH-SADR	10252	LONGITUDINAL	TABLIEH CONSTRUCTION CO.	JZR12,5-30/4+ZVR25-315/6+ZVR25-315/6	69	4350	ITALY	2012
394	TUNEL AEROPUERTO DE LAS PALMAS	2700	LONGITUDINAL	FCC.CONSTRUCCION. S.A	ZVN 1-12-45/4	8	360	ITALY	2012
395	VIA LITORAL , TRAMO I, FASE A	1200	LONGITUDINAL, TRANSVERSAL	DRAGADOS, S.A.	JZR 10-30/4	14	420	ITALY	2012
396	TUNEL QUAI BELLEVUE	550	LONGITUDINAL	GTIE TRANSPORT	JZ 7-18,5/2	13	240.5	ITALY	2012
397	TUNEL SHOAYBAIN-JAMARAT		LONGITUDINAL	SBG-PBAD	JZR 10-25/4 + JZR 7-17/2	40	936	ITALY	2012
398	TUNEL RUPEL	2000	LONGITUDINAL	THV FABRICOM-VSE (BESTELVON)	JZ 7-15/4	44	660	ITALY	2012
399	TUNEL LES FOSSES EIX TRANSVERSAL	486	LONGITUDINAL	EIFFAGE ENERGIA, S.L.U.	JZR 12-37/4	8	296	ITALY	2012



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

400	TUNEL MANJIL	3000	LONGITUDINAL	IRAN BASBAR NIROU, CO.	JZR 7-22/2	16	352	ITALY	2012
401	TUNELES TIRAN DURRES ROGOZHINE ELBASAN		LONGITUDINAL	AKTOR SHOQUERI ANONIME TEKNIKE	JZR 12-45/4	32	1440	ITALY	2012
402	TUNEL BOIS DE MONTAIGRE	380	LONGITUDINAL	MAUERHOFER SUBER	JZR 10-30/4	16	480	ITALY	2012
403	TUNELES FERROVIARIOS ZUMARRAGA	5456	LONGITUDINAL	GEOTUNEL, S.L.	ZVN 1-16-250/4	2	500	ITALY	2012
404	TUNEL WEST LAKE CITY ROAD		LONGITUDINAL/EXTRACCION		JZR 7-22/2 + ZVS 1-8-3/6	168	2366	ITALY	2012
405	TUNEL DE GLION	1350	GALERIA LATERAL, LONGITUDINAL	ETAVIS	JZR 12-37/4	8	296	ITALY	2012
406	TUNEL EL CORNO	8570	LONGITUDINAL	CERDEDELO PRADO UTE	ZVN 1-18-315/4	2	630	ITALY	2012
407	TUNEL SERRALUNGA	1229	LONGITUDINAL	ENESY ENGINEERING AND ELECTRICAL SYSTEMS	JZRi 10-27/4	4	108	ITALY	2013
408	TUNEL LA LOMA Y LUIS CABRERA	1060	LONGITUDINAL	XEMORTIZ, SA DE CV	JZR 12-41/4	30	1230	ITALY	2013
409	TUNEL DEL PANDO II	1453	LONGITUDINAL	AUCALSA	JZR 9-22/4	1	22	ITALY	2013
410	TUNEL DE SERRIERES	1558	LONGITUDINAL	MAUERHOFER ZUBER	JZR 12-30/4	16	480	ITALY	2013
411	TUNEL SOCHI	1570	COMBINADA	OOO ZITRON	JZR 12-45/4+JZR 14-30/4	24	810	ITALY	2013
412	LEGACY WAY	4600	UNIDIRECCIONAL	MECHANICAL ELECT.CONST.ALLI	ZVN 1-25-450/6+JZR 12-37/4	106	32426	ITALY	2013
413	TUNEL DE NEUILLY	440	SEMITRANSVERSAL	AXIMA CONCEPT	ZVR 1-18-110/4+ZVR 1-200-400/4	3	1155	ITALY	2013
414	ASSAM TUNNEL		LONGITUDINAL	HINDUSTAN CONSTRUCTION CO LTD	JZR 7-18,5/2	10	185	ITALY	2013
415	TUNEL DE GAVET	9300	TRANSVERSAL	NOVI SAS	ZVN 1-10-15/4 + ZVNv 2-8-22/4	4	37	ITALY	2013
416	AMAMZADEH-HASHEM	3185	LONGITUDINAL	SADAFF COMPANY	JZR 12-30/4	80	2400	ITALY	2013
417	EMAM ALI		LONGITUDINAL	IRANSHAR CIVIL COMPLEX	JZR 8-30/2	18	540	ITALY	2013
418	TUNEL DE TALANT	631	LONGITUDINAL	YVROUD EUROPEENE DES FLUIDES	JZRi 12,5-45/4	18	810	ITALY	2013
419	ISLAND COAL TERMINAL		LONGITUDINAL	ZITRON AUSTRALIA PTY LTD	ZVN 1-14-75/4	4	75	ITALY	2013
420	ALABIANO-BALTIYSKIY		LONGITUDINAL	NPO KOSMOS	JZR 8-30/2	48	30	ITALY	2013
421	TUNEL VIEJO MONREPOS		LONGITUDINAL	FCC.CONSTRUCCION. S.A	JZR 12-30/4	4	30	ITALY	2013
422	GALLERIA STRADALE LAIVES		LONGITUDINAL	OBRIST SRL	JZR 14-75/4 + JZR 7-15/2	10	150	ITALY	2013
423	BID 171		LONGITUDINAL	SAUDI BINLADEN GROUP	JZR 7-13/2	15	13	SAUDI ARABIA	2013
424	NOORD-ZUID KEMPEN		LONGITUDINAL	ZITRON NEDERLAND B.V. (NL)	JZR 7-30/2	16	30	NETHERLANDS	2013



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

425	LES TERRASSES DU PORT		LONGITUDINAL	BILLON S.A	JZR 7-15/2-3,7/4	18	15	FRANCE	2013
426	MOUQUAOUMA		COMBINADA	COPISA PROYECTOS Y MANTENIM. INDUSTRIAL S.A.U.	JZRi 10-27/4 + ZVN 1-7,1-2,2/4	28	1527	MOROCCO	2013
427	TUNEL DE PUYMORENS	5414	COMBINADA	CEGELEC SAS - MOBILITY	ZVN 1-16-250/4 + JZ 16-75/4 + gEL 7-22/2	18	347	FRANCE	2013
428	ESTACION AVE SOTERRADA VIGO	8000	LONGITUDINAL	UTE AL CAMP.DRAGADOS-TECSA	ZVN 1-18-75/6 + ZVN 1-18-90/6	10	165	SPAIN	2013
429	CENTRAL-WANCHAI BYPASS TUNNE	4000	LONGITUDINAL	MILLION BASE INTERNATIONAL LIMITED	ZVN 1-12-55/4 + ZVN 1-14-75/4	3	130	SPAIN	2014
430	T2E TUNEL	434	LONGITUDINAL	ZITRON AUSTRALIA PTY LTD	JZ 16-66/6 + JZR 16-66/6	32	132	SPAIN	2014
431	CRTA. BOGOTA		LONGITUDINAL	CONCESIONARIA VIAL DE LOS ANDES S.A. (COVIANDES)	JZRi 12-52/4	108	52	SPAIN	2014
432	TUNEL SANTA COLOMA		LONGITUDINAL	UTE CONSERVACION SANT VICENÇ	JZR 10-37/4	1	37	SPAIN	2014
433	TUNEL FUENTEBUENA	1080	LONGITUDINAL	UTE CIRCUNVALACION DE BURGOS	JZR 10-30/4	8	30	SPAIN	2014
434	AEROPUERTO INTERNACIONAL DUBAI		LONGITUDINAL	ENERGY INTERNATIONAL L.L.C	JZRi 8-37/2	2	37	SPAIN	2014
435	TUNEL PANDO I	1453	LONGITUDINAL	AUTOPISTA C. ASTUR-LEONESA.S.A.	JZRi 9-22/4	1	22	SPAIN	2014
436	JARDINES DE PEREDA	219	LONGITUDINAL	UTE CENTRO BOTIN	JZ 7-18,5/2	2	18	SPAIN	2014
437	QUSHASHIAH		LONGITUDINAL	SAUDI BINLADEN GROUP	JZR 14-52/4	26	52	SPAIN	2014
438	TUNEL JAMMU UDHAMPUR	9000	LONGITUDINAL	AFCONS INFRASTRUCTURE LTD	JZR 8-37/2	16	37	SPAIN	2014
439	TUNEL I. C.H. RENACE II	4000	LONGITUDINAL	OBRAS SUBTERRANEAS. S.A.	3 x gEL 9-75	3	75	SPAIN	2014
440	TUNEL DU SCHIRMECK	610	LONGITUDINAL	AXIMA CONCEPT	JZR 12-37/4	1	37	SPAIN	2014
441	ALTA VELOCIDAD TEL-AVIV JERUSALEM	2000	SEMI-TRANSVERSAL	ELECTRA NATION STATION	ZVN 1-22-160/6	7	160	SPAIN	2014
442	TUNEL NEGRON II	4100	LONGITUDINAL	AUTOPISTA C. ASTUR-LEONESA.S.A.	JZRi 12-45/4	1	45	SPAIN	2014
443	TUNEL ALABIANO-BALTIYSKIY		LONGITUDINAL	OOO ZITRON	JZR 8-30/2	48	30	SPAIN	2014
444	TUNELES LA CANDA Y PADORNELO - A52	1994+5971	LONGITUDINAL	VALORIZA CONSERVACION DE INFRA., S.A.U.	JZR 9-22/4	9	22	SPAIN	2014
445	TUNEL DAS MACEIRAS	6000	LONGITUDINAL	FCC INDUSTRIAL E INFRAESTRUCTURAS ENERG,S.A.U.	JZR 10-30/4	14	30	SPAIN	2014
446	TUNELES DE GAINZABALA Y URDINBIDE	710+703	LONGITUDINAL	GERTEK SDAD DE GESTION Y SERVIC., S.A.	JZR 12-37/4 + JZR 12-45/4	30	82	SPAIN	2014
447	GILON TUNEL	4600	LONGITUDINAL	MENORAH IZU AHARON LTD	JZR 10-30/4	64	30	SPAIN	2014
448	TUNEL DMITROVSKOYE SHOSSE	700	LONGITUDINAL	OOO ZITRON	JZR 6-11/2	8	88	SPAIN	2014
449	RADEJCIN		LONGITUDINAL	SUBTERRA A.S.	JZRi 10-27/4 + JZRi 10-36/4	12	63	SPAIN	2014



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

450	TUNEL DE CHOINDEZ	3287	SEMI-TRANSVERSAL	MAUERHOFER & ZUBER ENTREPRISES ELECTRIQUES, S.A.	ZVN 1-20-160/6	4	160	SPAIN	2014
451	WANCHAI BY-PASS TUNEL	2300	TRANSVERSAL	LEIGHTON JOINT VENTURE	ZVR 1-20-185/4 + ZVN 1-25-400/6 + ZVN 1-20-132/6 + ZVN 1-25-355/6 + ZVN 1-25-400/6 + ZVN 1-25-315/6 + ZVN 1-25-450/6 + ZVR 1-20-220/4 + 2 x ZVR 1-20-500/4 + 2 x ZVR 1-25-	30	4402	SPAIN	2014
452	TUNEL L2-MARSELLA	9700	LONGITUDINAL	AXIMA CONCEPT	JZrI 12-45/4 + ZVN 1-25-400/6 + JZrI 8-30/2	187	475	SPAIN	2014
453	TUNEL DE VIENTO EN MADRID		INDOOR SKYDIVING	ESTRUCTURAS Y DISEÑO, S.A. (EYDISA)	ZVN 1-34-355/8	4	1420	SPAIN	2014
454	TUNEL DE MARIA PITA	265	LONGITUDINAL	DESARROLLA OBRAS Y SERVICIOS, S.L.	JZrI 8-37/2	6	37	SPAIN	2014
455	TUNEL DES SEVINES	370	COMBINADA	SATELEC SAS	ZVN 1-18-500/4 + JZ 10-27/4	6	527	SPAIN	2014
456	COMA		LONGITUDINAL	NGOC CHAU TECHNOLOGY TRADING CO., LTD	JZrI 12-30/4	8	30	SPAIN	2014
457	PHU GIA AND PHOC TUONG		LONGITUDINAL	GIAKHANH TECHN JSC	JZR 12-30/4	8	30	SPAIN	2015
458	M-25 HATFIELD		LONGITUDINAL	SKANSKA BALFOUR BEATTY M25 JOINT VENTURE	JZrI 10-30/4	59	30	SPAIN	2015
459	TUNEL DE LA MARINA Y EL PARROTE	530+562	LONGITUDINAL	S.A. DE OBRAS Y SERVICIOS, COPASA	JZR 7-22/2	26	22	SPAIN	2015
460	Kuanyin Tunnel	7900	SEMI-TRANSVERSAL	EVER PROFIT CONTRACTO CO., LTD.	ZVN 1-25-460/8 + JZR 10-37/4	52	3616	SPAIN	2015
461	SEOUL SOUTH RING 7.2	N.A.	N.A.	PARKOR KOREA INDUS CO., LTD	ZVN 1-20-52/8 Regulación Hidráulica	2	110	SPAIN	2015
462	SAADIYAT ISLAN		LONGITUDINAL	SAT ENGINEERING & SUPPLIES L.L.C.	JZR 10-30/4	20	30	SPAIN	2015
463	TUNNEL DE BOUIRA	1289	LONGITUDINAL	INDRA SISTEMAS. S.A	JVR 9-18.5/4	34	629	SPAIN	2015
464	TUNEL DE PANDO	1244	LONGITUDINAL	AUTOPISTA C. ASTUR-LEONESA.S.A.	JZrI 9-22/4	4	88	SPAIN	2015
465	BARRIOS I y II	1625	LONGITUDINAL	AUTOPISTA C. ASTUR-LEONESA.S.A.	JZrI 9-22/4 + JZrI 12-22/4	2	44	SPAIN	2015
466	Abu Dhabi Airport Tunnels	1200	LONGITUDINAL	SAT ENGINEERING & SUPPLIES L.L.C.	jzr 7-22/2	60	1320	SPAIN	2015
467	MFRR-KUDAY Y BERKAN TUNELES		LONGITUDINAL	SAUDI BINLADIN GROUP	JZR 14-52/4	16	52	SPAIN	2015
468	FERROCARRILES GENERALITAT CATALANA	VARIOS TUNELES - TOTAL 3077	COMBINADA	UTE ESTACIONES SABADELL	ZVR 1-24-200/6 + ZVN 1-24-250/6	6	1300	SPAIN	2015
469	GEREDIAGA-ELORRIO	1990	LONGITUDINAL	UTE AUTOVIA GEREDIAGA-ELORRIO	JZR 12-45/4	34	1530	SPAIN	2015
470	TUNNEL DE BOBIGNY	1340+880	TRANSVERSAL	NIDEC ASI, S.A.	ZVN 1-12-55/4	90	4950	SPAIN	2015
471	TUNNEL DE BOBIGNY ET LUMEN	1340+880	LONGITUDINAL	AXIMA CONCEPT	JZrI 8-86/2 + JZR 12-45/4 + JZR 12-55/4	60	2382	SPAIN	2015
472	OHIO RIVER BRIDGE	1314	LONGITUDINAL	WALSH / VINCI JV	JZR 14-45/4	18	810	SPAIN	2015
473	Belabieta y San Lorenzo	2x804+2x1823	LONGITUDINAL	SDAD.IBERICA DE CONSTRUC.ELECTRICAS.S.A. - SICE	JZR 10-30/4 + JZR 10-37/4	40	1382	SPAIN	2015
474	Seoul South Ring 7.1	N.A.	N.A.	PARKOR KOREA INDUS CO., LTD	ZVN 1-20-52/8 Regulación Hidráulica	2	110	SPAIN	2015



ZITRON TUNNEL REFERENCES - (PERMANENT VENTILATION)

475	TUNNEL VIGNES ET COMBETTE	2240+1120	LONGITUDINAL	KUMMLER+ MATTER SA	JZri 8-28/2	40	1120	SPAIN	2015
476	Tunnel Prado		COMBINADA	ZITRON FRANCE SAS	ZVN 1-16-90/4	1	90	SPAIN	2015
477	Tunnel Descendant Monaco	250	LONGITUDINAL	EIFFAGE CRYSTAL	JZri 12-18.5/4	6	111	SPAIN	2015
478	CENTRALE DE VEYTAUX		TRANSVERSAL	EIFFAGE ENERGIE THERMIE CENTRE EST	ZVN 1-10-30/4 + ZVN 1-12-37/4 + ZVN 1-14-90/4	8	388	SPAIN	2015
479	TUNEL DE NEGRON II	4144	LONGITUDINAL	AUTOPISTA C. ASTUR-LEONESA.S.A.	JZri 12-45/4	2	90	SPAIN	2015
480	ROAD 6 TUNNEL	1413	N.A.	ELECTRA INFRASTRUCTURES HOFREY HASHARON LTD.	ZVN 1-18-250/4	1	250	SPAIN	2016
481	BERZARINSKUY TUNEL, MOSCU	425	LONGITUDINAL	OOO ZITRON	JZR 7-22/2	4	88	SPAIN	2016
482	TUNEL JUAN MORON GARCIA	620	LONGITUDINAL	UTE CONSERVACION A-1 MADRID	JZri 12-30/4	2	60	SPAIN	2016
483	TUNNEL DU CHAT	1486	COMBINADA	AXIMA CONCEPT	JZR 12-37/4 + ZVN 1-16-250/4	19	1555	SPAIN	2016
484	TUNEL GALGARIN, MOSCU	923.8	LONGITUDINAL	OOO ZITRON	JZR 10-22/4 + JZR 10-22/4	10	220	SPAIN	2016
485	TUNEL CERRADO DE CALDERON	770	LONGITUDINAL	FERROSER INFRASTRUCTURAS, S.A.	JZR 12.5-30/4 + JZR 7-22/2	16	416	SPAIN	2016
486	T4 COJAAL	2500	LONGITUDINAL	SARL SCHNEIDER ELECTRIC ALGERIE	JZR 12-37/4	33	1221	SPAIN	2017
487	A7 Almería		LONGITUDINAL	UTE ALMERIA SEC.01	JZri 12-45/4	6	270	SPAIN	2017