

Projects list of Transport infrastructures 1954-2015



Alpina



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**LEGEND****LEGEND SERVICES PERFORMED**

SF	Feasibility study
PP	Preliminary design
PD	Detailed design
PE	Final design
PG	Tender project
DL	Supervision of works
SI	Safety coordination
VP	Project verification

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
Motorways			
Broni Mortara Motorway - Section Gropello Cairoli - Castello d'Agogna	2010 - 2011	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PD
Brebemi Motorway (Brescia Milan)	2008 - 2015	Concessionari Bre.Be.Mi	PD+DL+SI+VP
Pedemontana Piemontese Motorway - A4 Biella A26 – Motorway viaducts	2010 - 2010	Sineco S.p.A.	PP
Asti Cuneo - Motorway Lots 1.43 and 1.5	2006 - 2009	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PE
Broni Mortara Motorway - Section Gropello Cairoli - Mortara (Lot 2) and Mortara - Stroppiana (Lot 3)	2006 - 2007	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF+PP
Turin Milan Motorway – Motorway diversion near Milan Certosa	2005 - 2007	Maire S.p.A.	PE
Turin Milan Motorway – Refurbishment works	1999 - 2008	Fiatengineering S.p.A.	PD+PE
Pedemontana Lombarda Motorway - Section Dalmine - Gaggiolo Pass	2002 - 2006	Autostrada Pedemontana Lombarda S.p.A.	PP
North approach route to the highway and the intervalley link road of Trieste	2002 - 2004	Università degli Studi di Trieste	PP
Milan Verona Motorway – Motorway diversion near the high capacity railway line	2002 - 2003	Consorzio Cepav 2	PP
Salerno Reggio Calabria Motorway – Refurbishment works Km 103+900 - Km 108+000	1998 - 2000	A.N.A.S. Azienda Nazionale Autonoma Strade	PP+PD+PE
Slip road connecting Motorway A12 and Pisa airport	1987 - 1988	C.O.A.L.P.A. S.p.A.	PP+PD+PE
Torano Popoli Pescara Motorway	1962 - 1981	S.A.R.A. Società Autostrade Romane ed Abruzzesi S.p.A.	SF+PP+PD+PE+DL
Roma L'Aquila Teramo Motorway	1962 - 1981	S.A.R.A. Società Autostrade Romane ed Abruzzesi S.p.A.	SF+PP+PD+PE+DL
Slip road connecting Pisa sud and Pisa San Giusto motorway	1970 - 1975	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	SF+PP+PD+PE+DL
Livorno Grosseto sud Motorway	1971 - 1973	S.A.T. Società Autostrada Tirrenica S.p.A.	SF+PP+PD+PE
Motorway A5 - Section Junction Aosta East - Aosta West	1967 - 1976	S.A.V. Società Autostrade Valdostane S.p.A.	SF+PP+PD+PE+DL
Urban Rome Motorway	1962 - 1981	S.A.R.A. Società Autostrade Romane ed Abruzzesi S.p.A.	SF+PP+PD+PE
San Paolo Santos Motorway in Brazil	1969 - 1974	Desenvolvimento Rodoviario SA	SF+PP+PD+PE+DL
Turin Piacenza Motorway	1961 - 1981	S.A.T.A.P. Società Autostrada Torino Alessandria Piacenza S.p.A.	SF+PP+PD+PE+DL
Slip road connecting Fornola and La Spezia motorway	1964 - 1978	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	SF+PP+PD+PE+DL
Viareggio Lucca Motorway	1962 - 1978	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	SF+PP+PD+PE+DL
Sestri levante Livorno Motorway	1962 - 1978	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	SF+PP+PD+PE+DL
Savona Ponte San Luigi Motorway	1961 - 1977	A.D.F. Autostrada dei Fiori S.p.A.	SF+PP+PD+PE+DL
Quincinetto Aosta Motorway	1962 - 1975	S.A.V. Società Autostrade Valdostane S.p.A.	SF+PP+PD+PE+DL
Naples Pompei Motorway - Modernization	1964 - 1973	S.A.M. Società Autostrade Meridionali S.p.A.	SF+PP+PD+PE
Livorno Civitavecchia Motorway	1963 - 1970	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Bari Taranto Motorway	1965 - 1967	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Motorway initiatives in Italy</u>			
Rome Latina Terracina and Latina Valmontone Motorway	1973 - 1974	S.A.R.A. Società Autostrade Romane ed Abruzzesi S.p.A.	SF
Livorno Vicarello Motorway	1971 - 1975	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Tigullio Motorway	1972 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Livorno Modena Motorway	1972 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Pedemontana Motorway	1972 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Ceva Garessio Albenga Motorway	1968 - 1975	A.D.F. Autostrada dei Fiori S.p.A.	PP
Caldarola Ponte Mavone Motorway	1970 - 1973	S.A.R.A. Società Autostrade Romane ed Abruzzesi S.p.A.	PE
Transpadana Motorway	1969 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Motorway connection to the Livorno port	1970 - 1971	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	PP
Motorway (Mont Blanc tunnel) - Section Aosta East - Pre St. Didier	1968 - 1972	S.A.V. Società Autostrade Valdostane S.p.A.	PP
Carcare Predosa Motorway	1968 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Colico Mesocco Motorway (Switzerland)	1968 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Milan Lecco Gaggiolo Motorway	1968 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Milan Rimini Motorway and branches	1968 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Tarquinia Viterbo Orte Motorway	1968 - 1972	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Mezzema Ghiare di Berceto Motorway	1968 - 1969	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	PP
Alessandria Acqui terme Carcare Motorway	1968 - 1968	Alpina S.p.A.	SF
Avezzano Cassino Motorway	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Caserta Salerno Motorway	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Civitavecchia Terni Motorway	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	SF
Florence Livorno Motorway	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Sempione Alessandria Motorway with branches to Vergiate and Santhià	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Sibari Crotone Catanzaro Motorway	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Bergamo and Brescia Valcamonica Resia Motorway	1963 - 1972	S.A.V. Società Autostrade Valdostane S.p.A.	PP
Lucca Asciano Pisa Ovest Tombolo Motorway	1962 - 1962	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	PP
Florence Siena Motorway	1961 - 1961	Monte dei Paschi di Siena	PP
Rome Fiumicino Civitavecchia Motorway	1961 - 1961	S.A.R.C. Società Autostrada Roma Civitavecchia S.p.A.	PP

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Motorway and road initiatives abroad</u>			
Viability of a property complex and marina in Herceg Novi in Montenegro	2014 - 2015	Azmont	PP+PD+PE
Tunnel des Oudayas in Rabat in Morocco	2007 - 2011	Pizzarotti S.p.A.	PE
Pafos Polis Motorway - Cyprus	2007 - 2007	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PG
Costanera Norte Motorway - Chile	2001 - 2001	Impregilo S.p.A.	SF
Study on road systems - Tanzania	1986 - 1987	Mefit Babtie S.r.l.	SF
Kumba Mamfé Road - Cameroun	1983 - 1986	Presidentza della Repubblica del Cameroun	PP+PD+PE
Baidoa Bardera Road - Somalia	1981 - 1984	Ministero Affari Esteri Italiano - Ministero Pianificazione Somalo	PP+PD+PE+DL
Draa Ben Khedda ring road - Algeria	1979 - 1980	Wilaya de Tizi Ouzou	PP+PD+PE
Teheran Chalus Motorway - Iran	1978 - 1978	Cogefar S.p.A.	PP
Traffic study on the Alicante Lorca Cartagena Motorway - Spain	1973 - 1973	Alpesa s.a.	SF
Navarra Motorway traffic study - Spain	1972 - 1972	Alpesa s.a.	SF
Nepal roads Study	1969 - 1974	U.N.D.P. Programma di sviluppo delle Nazioni Unite	SF
Barcelona hinterland motorway connection - Spain	1968 - 1969	Safesa s.a.	PG
Barcelona hinterland traffic study - Spain	1968 - 1968	Infraestructuras s.a.	SF
Tudela Irurzan Motorway - Spain	1967 - 1968	Safesa s.a.	SF
Mediterranean Zaragoza Motorway - Spain	1967 - 1968	Safesa s.a.	SF
Atlantic La Coruna Portuguese border Motorway - Spain	1967 - 1968	Safesa s.a.	SF
Valencia Almeria Cartagena Motorway in Spain	1967 - 1968	Safesa s.a.	SF
Papiol Montmelo Motorway in Spain	1967 - 1968	Safesa s.a.	SF
Tarragona Valencia Motorway in Spain	1967 - 1968	Società Rodrico s.a.	SF
Cadi tunnel in Barcelona in Spain	1967 - 1968	Propisa s.a.	SF
Zaragoza Bilbao Motorway in Spain	1967 - 1967	Safesa s.a.	SF
Santa Fé Motorways - Argentina	1961 - 1961	Cogefar S.p.A.	PG

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Highways, ring-roads, dual carriage roads</u>			
New Roads system connecting the Cispadano motorway	2011 - 2012	Consorzio ARCCOS	PD
Milan External East ring road - Road Connection Lot B	2011 - 2012	Pizzarotti S.p.A.	PE
Cuneo Motorway ring road	2008 - 2009	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PD
Venaria Reale and Borgaro Torinese ring road	2001 - 2010	Provincia di Torino	PD+Pe+DL
Cassanese Road S.P. n. 103 - Refurbishment works	2005 - 2005	S.I.P.I.T. S.r.l.	PD
Rivoltana Road S.P. n. 14 - Refurbishment works	2005 - 2005	S.I.P.I.T. S.r.l.	PD
S.S. n. 1 Aurelia bis in Sanremo - Road by pass	1987 - 2009	C.O.A.L.P.A. S.p.A.	PP+PD+PE+DL
S.S. n. 3 Flaminia In Perugia - Section Km 177+500 - Km 180+280 - Road by pass	1996 - 1998	A.N.A.S. Azienda Nazionale Autonoma Strade	PP+PD+PE
S.S. n. 1 Aurelia bis – Albenga ring road	1987 - 1995	C.O.A.L.P.A. S.p.A.	PE
Varese ring road	1978 - 1984	Regione Lombardia	PP+PD+PE
Mantova motorway ring road	1978 - 1980	Regione Lombardia	PP
Pavia motorway ring road	1978 - 1980	Regione Lombardia	PP+PD+PE+DL
Turin motorway ring road	1974 - 1975	S.A.T.A.P. Società Autostrada Torino Alessandria Piacenza S.p.A.	PP
Catanzaro motorway ring road	1966 - 1966	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>State, regional and provincial roads</u>			
Illrd Valico dei Giovi of the Milan Genoa high speed railway - Lot 1 - Road system	2012 - 2013	Italferr S.p.A.	VP
Road S.R. n. 45 Access to the Val D'ayas - Refurbishment works	2010 - 2010	Egis	PD
Dual Road Connection between SS n. 309 and SS n. 67 underpassing the Candiano channel in Ravenna	2003 - 2012	Cooperativa Muratori & Cementisti, C.M.C di Ravenna	PP
Slip roads and parking areas for Reggio di Venaria	2002 - 2009	Provincia di Torino	PP+PD+PE+DL
Milan Verona high speed railway line - Road underpasses	2004 - 2007	Garboli Conicos S.p.A.	PD
Valgerola road S.P. (ex S.S. n. 405) - Refurbishment works	2003 - 2007	Provincia di Sondrio	PD+PE+SI+DL
Road S.S. n. 106 - Section Jonica - Squillace Simeri Crichi - Refurbishment works	2003 - 2005	A.N.A.S. Azienda Nazionale Autonoma Strade	PD+PE
Pont Ventoux Susa hydroelectric power plant - Access roads to sites	1996 - 1997	Astaldi S.p.A.	PE
Road S.S. n. 42 - Section Albano S. Alessandro Rogno - Road by pass	1977 - 1980	Regione Lombardia	PP+PD+PE
Road S.S. n. 470 of the Val Brembana - Refurbishment works	1977 - 1980	Regione Lombardia	PP
Road S.S. n. 45 bis Gardesana Occidentale - Road by pass	1977 - 1978	Regione Lombardia	PP+PD+PE+DL
Road S.S. n. 461 Passo Penice - Refurbishment works	1977 - 1978	Regione Lombardia	PP
Road S.P. n. 34 Borghetto Vara Pignone	1971 - 1977	A.N.A.S. Azienda Nazionale Autonoma Strade	PP+PD+PE
Road S.S. n. 566 Ponte Carrodano Montale di Levante	1972 - 1974	Amministrazione Provinciale di La Spezia	PP+PD+PE
Road S.S. n. 582 Leca ring road	1970 - 1971	A.D.F. Autostrada dei Fiori S.p.A.	PP+PD+PE
Champorcher regional road	1970 - 1970	S.A.V. Società Autostrade Valdostane S.p.A.	PP+PD+PE
Tornimparte Prati Cerasuolo road	1969 - 1969	Alpina S.p.A.	SF
Ancona Macerata road connection	1969 - 1969	Alpina S.p.A.	SF
Road by pass to S.S. n. 27 - Section Aosta Signaies	1968 - 1969	S.A.V. Società Autostrade Valdostane S.p.A.	SF
Road by pass to S.S. n. 27 - Section Aosta Gran San Bernardo	1968 - 1968	Alpina S.p.A.	SF+PP
Road S.S. n. 26 - Section L'Eglise Aosta - Refurbishment works	1968 - 1968	S.A.V. Società Autostrade Valdostane S.p.A.	PP+PD+PE
Bard ring road and Hone bridge	1968 - 1968	S.A.V. Società Autostrade Valdostane S.p.A.	SF
Porta Principe area in Genoa - Landscape final asset	1967 - 1969	Comune di Genova	PP
Alto Lario road connection in Canton Ticino (Switzerland)	1962 - 1962	Alpina S.p.A.	SF
Road connection between the Bormio basin and Val Venosta with the Stelvio tunnel	1962 - 1962	Società dello Spluga S.p.A.	SF

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Motorways and roads tender projects</u>			
Rome - Pontina motorway	2014 - 2015	Infra Engineering	PG
Adaptation of a stretch of the S.S. Picente	2014 - 2014	Oberosler	PG
S.S. n. 95 di Brienza – Lot 6, Section 1 and 2	2013 - 2014	Ghella S.p.A.	PG
Adaptation of the underground railway line Torino-Ceres	2013 - 2013	Toto Holding	PG
Road by pass to S.S. n. 38 - Morbegno lot	2012 - 2013	Cooperativa Muratori & Cementisti, C.M.C di Ravenna	PG
Road by pass to ex S.S. n. 472 Bergamina - Section from Arzago to Casirate	2012 - 2012	Impresa Ing. Leopoldo Castelli S.p.A.	PG
S.S. n. 675 Umbro Laziale – 3rd Portion Lot 1 Section B	2012 - 2012	Provera e Carrassi S.p.A.	PG
S.S. n. 389 and the Abbasanta Buddusò road - Road connection	2012 - 2012	Provera e Carrassi S.p.A.	PG
S.P. n. 46 Rho Monza - Refurbishment work	2011 - 2012	Italiana Costruzioni S.p.A.	PG
Road Sassari Olbia Lot 1 - Refurbishment works - Upgrade to motorway	2011 - 2012	Provera e Carrassi S.p.A.	PG
Road Sassari Olbia Lot 0 - Refurbishment works - Upgrade to motorway	2011 - 2012	Provera e Carrassi S.p.A.	PG
Doubling of the Colle di Tenda Tunnel	2011 - 2012	Itinera S.p.A.	PG
Road by pass to S.S. n. 639 - San Gerolamo lot	2011 - 2011	Intercantieri Vittadello S.p.A. con Quadrio Curzio S.p.A.	PG
A4 motorway - Section Tagliamento – Gonars - upgrade to 3rd line	2009 - 2010	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PG
Road by pass S.S. n. 1 Aurelia - 3rd lot - Felettino - motorway slip road	2009 - 2009	Intercantieri Vittadello S.p.A. con Adanti S.p.A.	PG
Road by pass S.S. n°1 Aurelia - Section Savona Letimbro channel and upper Albisola	2009 - 2009	Intercantieri Vittadello S.p.A.	PG
Road S.S. n. 195 - Section Sulcitana in Cagliari Pula - Lots 1 and 3 and relevant southern connected structure	2008 - 2008	Adanti S.p.A.	PG
Road SS n°125 - Section II - 2nd lot	2008 - 2008	Intercantieri Vittadello S.p.A.	PG
Road S.P. n. 5 Villa di Monza between Cinisello Balsamo and Milan - Refurbishment works	2005 - 2005	Poyry Infra s.a.	PG
Salerno Reggio Calabria Motorway - Sections DG21 DG27 DG38 - Refurbishment works	1999 - 1999	A.N.A.S. Azienda Nazionale Autonoma Strade	PG
Trieste general road system – 3rd lot 2nd section from Cattinara to Padriciano	1996 - 1996	Comune di Trieste	PG
Lecce ring road	1991 - 1996	A.T.I Torno S.p.A. Italstrade S.p.A. Guagnano S.r.l. Montinaro S.r.l.	PG
Road S.S. n. 42 Section Pianico Lovere - Road by pass	1983 - 1984	Cogefar S.p.a.	PG
Road S.S. n. 36 - Section Lecco Fuentes interchange - Road by pass	1977 - 1977	Carena S.p.A.	PG
Cagliari Nuoro Highway	1976 - 1976	Co.Ge.Co. S.p.A.	PG

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Viaducts, tunnels, interchanges and other road works</u>			
Autostrada dei Fiori motorway - Taggia Bridge	2012 - 2012	Sineco S.p.A.	VP
Turin Piacenza motorway - Andona viaduct	2011 - 2011	Sineco S.p.A.	PE
Road S.S. n. 1 Aurelia and the Genoa Ventimiglia railway line in Genoa - Road Overpass	2008 - 2011	Egis	PD
Motorway A4 Turin Milan - Arluno motorway junction	2006 - 2006	Maire S.p.A.	PE
Genoa San Benigno motorway junction	2004 - 2005	Technital S.p.A.	PP
Road tunnel on the Miano Arzano route	2000 - 2002	Naos S.p.A	PE
Monte Collardente road tunnel	1994 - 1994	Comune di Triora	SF
Pisa motorway junction	1987 - 1988	C.O.A.L.P.A. S.p.A.	PP+PD+PE
Road S.S. n. 523 - Passo delle Cento Croci Tunnel	1974 - 1981	A.N.A.S. Azienda Nazionale Autonoma Strade	PP+PD+PE+DL
Viaducts in Benevento	1976 - 1977	Melpi S.p.A.	PE
Monte Maggiore tunnel in Istria - Plants	1972 - 1973	Alpina S.p.A.	SF
Road S.S. n. 36 Varenna tunnel - Plants	1972 - 1972	A.N.A.S. Azienda Nazionale Autonoma Strade	PE
Rio Cantoniera viaduct in Mezzena	1970 - 1970	Cooperativa Muratori & Cementisti, C.M.C di Ravenna	PE
Colle di Tenda road tunnel	1968 - 1968	S.I.N.A. Società Iniziative Nazionali Autostradali S.p.A.	PP
Piacenza motorway junction	1966 - 1967	S.A.T.A.P. Società Autostrada Torino Alessandria Piacenza S.p.A.	PP
Alessandria Turin motorway - Road Overpass	1965 - 1967	S.A.T.A.P. Società Autostrada Torino Alessandria Piacenza S.p.A.	PE
Venice pedestrian underpass	1965 - 1965	Rotary Club Venezia	PP

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Road design of Rodano Street in the ex-Maserati area in Milan	2014 -2015	Rubattino 87 S.r.l.	PP+PD+PE+SI+DL
Underground road in the City Life area in Milan - Section D	2014 -2015	CMB	PE
Road access to the Stephenson street area in Milan	2014 -2014	Fondiaria SAI	PP
Roads for the new Westfield Shopping Centre in Segrate	2013 - 2014	Westfield Shoppingtowns Limited	SF
Roads of the ex Vulcano area in Sesto San Giovanni	2013 - 2013	Citra S.r.l.	PE
Road accommodation at stations M5 - Stretch Garibaldi-San Siro	2013 - 2014	Astaldi S.p.A.	PE
Roads for a multipurpose intervention in places Grumello al Piano - Bergamo	2013 - 2013	Land S.r.l.	SF
De Notaris street area - New planning for urban transformation project in Treviglio - Road design	2012 - 2013	Studio Bai S.r.l.	PD+PE+DL
Via Vespucci e Piazza P. Clotilde area in Milan - Road design	2012 - 2013	Hines S.p.A.	PP+PD+PE+SI+DL
Ex Baslini area - New planning for urban transformation project in Treviglio - Road design	2010 - 2012	Habita S.r.l.	PP+PD+PE+DL
Ex-Siemens area - New planning for urban transformation project in Milan - Road design	2008 - 2012	Siemens S.p.A.	PP+PD+PE
Ex-Fiera City Life area - New planning for urban transformation project in Milan - Road design	2007 - 2012	City Life S.p.A.	PP+PD+PE
Access roads to via Stephenson area in Milan	2009 - 2010	Hines S.p.A.	PP
Isola Lunetta area - New planning for urban transformation project in Milan - Road design	2006 - 2011	Hines S.p.A.	PP+PD+PE
Porta Sud - New planning for urban transformation project in Bergamo - Road design	2008 - 2008	Porta Sud S.p.a.	PP
Access roads to shopping centre mall in Bentivoglio near Bologna	2008 - 2008	Progetto CMR S.r.l.	PP
Isola De Castillia area - New planning for urban transformation project in Milan - Road design	2005 - 2009	Europrogetti S.r.l.	PP+PD+PE
La Madonnina - New planning for urban transformation project in Pavia - Road design	2006 - 2007	A.E.P. S.r.l.	PD+PE
Ex-Varesine area - New planning for urban transformation project in Milan - Road design	2006 - 2007	Hines S.p.A.	PP+PD+PE+DL
Access roads to shopping and sport centre in Medicina near Bologna	2006 - 2007	Progetto CMR S.r.l.	PP
Adriano area - New planning for urban transformation project in Milan - Road design	2000 - 2012	Adriano 81 S.p.A.	PP+PD+PE+DL
Villasanta ex-industrial area - New planning for urban transformation project - Road design	2006 - 2006	Progetto CMR S.r.l.	SF
Garibaldi Repubblica New planning for urban transformation project in Milan - Road design	2000 - 2010	Società Sviluppo Garibaldi Repubblica S.p.a.	PP+PD+PE+DL
Ex-Maserati area - New planning for urban transformation project in Milan - Road design	1996 - 2012	Rubattino 87 S.r.l.	PP+PD+PE+SI+DL
Ex-OM area - New planning for urban transformation project in Milan - Road design	1996 - 2012	Paleo S.r.l.	PP+PD+PE+SI+DL
Grazioli area - New planning for urban transformation project in Milan - Road design	2000 - 2008	Come S.p.A.	PP+PD+PE+SI+DL
IULM area - New planning for urban transformation project in Milan - Road design	1996 - 2004	Fintransport S.r.l.	PP+PD+PE+SI+DL
Access roads to shopping centre in via Rubattino in Milan	1995 - 1996	Rubattino 87 S.r.l.	SF+PP
Milan Sud logistic centre in Lacchiarella - Road design	1994 - 1995	I.M.S. S.p.a.	PP+PD+PE

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Road and highway planning</u>			
Verona - Quadrante Europa logistic centre	2003 - 2004	Quadrante Europa	SF
Analyses and studies to formulate project hypotheses for the recovery and development of Trieste area	1995 - 1998	DI.CO.TER.	SF
Study of the maritime connection between the Haifa port in Israel and Trieste port	1995 - 1996	DI.CO.TER.	SF
Report on the characteristics of the Moss system	1994 - 1994	INCO s.P.a.	SF
Varese roads system study	1987 - 1987	Comune di Varese	SF
Lombardia region - Roads system plan	1974 - 1981	Regione Lombardia	SF
Study of the the road and railway interconnection plan of Voltri port basin	1977 - 1977	Consorzio Porto di Genova	SF
Study of the infrastructural connection of the Genoa port	1975 - 1975	Comune di Genova	SF
Study of the motorway sistem of the Toscana region	1973 - 1973	Regione Toscana	SF
Roads and parking areas plan in the "Spina dei corsi" in Ancona	1972 - 1972	Comune di Ancona	SF
Roads and parking areas plan in the Gallaratese district in Milan	1972 - 1972	Comune di Milano	SF
Genoa transport plan	1969 - 1972	Comune di Genova	SF
Study of the suburban railway system in Florence	1969 - 1969	Comune di Firenze	SF
Report on the origin - destination flow of the surface transport network in Florence	1969 - 1969	Azienda Trasporto Autonoma Firenze	SF
Piacenza - Roads planning study	1968 - 1968	Comune di Piacenza	SF
Seregno - Road planning study	1968 - 1968	Comune di Seregno	SF
Naples Salerno motorway - Traffic study	1966 - 1966	S.A.M. Società Autostrade Meridionali S.p.A.	SF
Autostrada dei Fiori motorway - Traffic study	1965 - 1965	A.D.F. Autostrada dei Fiori S.p.A.	SF
Quincinetto Aosta motorway - Traffic study	1965 - 1965	S.A.V. Società Autostrade Valdostane S.p.A.	SF
Sestri Levante Livorno motorway - Traffic study	1965 - 1965	S.A.L.T. Società Autostrada Ligure Toscana S.p.A.	SF
Study of the road communications between the Bergamo province and upper Valtellina	1962 - 1962	Provincia di Bergamo	SF

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
Railways			
New train interchange station Como Camerlata on the RFI network	2013 - 2014	Impresa Notari	PE
Adjustment of the Milano-Chiasso-Seregno railway line at the template PC 80	2013 - 2014	Impresa Notari	PE
High speed railway Milan-Genoa - Third railway tunnel dei Giovi	2013 - 2014	Cociv	PE
Elimination of the shunt rail line between the High speed railway Milan Genua and the Turin-Genoa railway I	2013 - 2013	Tecnimont S.p.A.	SF
Audit of the final project of thr railway Milan Genua Third railway tunnel - Lot 1 - fase II	2012 - 2013	Italferr S.p.A.	VP
Railway Metaponto Sibari Bivio S. Antonello - Refurbishment works - Lot 3	2012 - 2013	Italferr S.p.A.	PE
Genoa - Ventimiglia railway line - Doubling the Finale L. - Andora existing line	2011 - 2012	Italferr S.p.A.	PD
Doubling of the Arcisate Stabio railway line	2011 - 2012	Italferr S.p.A.	PE
Seregno Bergamo Railway line - Section Km 13+200 - Km 26+200	2011 - 2012	Italferr S.p.A.	PD
High speed railway - Bologna railway junction – Lot 1 - Siding rail with Venice line	2010 - 2011	Italferr S.p.A.	PE
City railway junction in Genoa and siding tunnel with the Terzo Valico	2007 - 2009	Italferr S.p.A.	PE
Railway siding between the Turin Milan railway line and Chivasso Aosta railway line	2007 - 2009	Italferr S.p.A.	PP+PD
Railway line Caserta Foggia - Section Apice Orsara - Railway line by pass	2007 - 2008	Italferr S.p.A.	PP
Railway line Naples Cancellò - Acerra by pass	2007 - 2008	Italferr S.p.A.	PP
Bologna Verona railway line - New By pass Bridge on Po river	2005 - 2006	Italferr S.p.A.	PE
Valsugana railway line - Section Trento Primolano - Upgrade existing line	2005 - 2006	Italferr S.p.A.	PE
Novara railway junction	2005 - 2005	Provincia di Novara	SF
High speed railway line Turin Milan	1999 - 2008	Fiat Engineering S.p.A poi Maire S.p.A.	PD+PE
High speed railway line Milan Bologna - Numerical cartography in section Po Fontanellato	1994 - 1994	S.N.A.M. S.p.A.	PD
Testing of MOSS design and planning on a route of Bologna Florence high speed railway line	1992 - 1994	Fiat Engineering S.p.A	SF
High speed railway line Milan Genoa - Section Genoa - Km 32+796	1992 - 1994	C.O.A.L.P.A. S.p.A.	PE
Genoa Casella railway line	1987 - 1991	R.T.I Ansaldo S.p.a. Co.Ge.Co S.p.a.	SF+PP+PD+PE
Doubling of the Pontremolese railway line	1987 - 1991	Consorzio C.I.R.C. Pontremolese	PE
Brescia Iseo Edolo railway line - By pass Pilzone d'Iseo	1987 - 1988	R.T.I. CCPL - Co.Ge.Co. S.p. - Fiat Engineering S.p.a. e altri	PP+PD+PE
Doubling Turin Ceres railway line - Section Turin Caselle	1987 - 1988	R.T.I Ansaldo S.p.a. Co.Ge.Co S.p.a.	PP
Sangritana railway line Tender Project	1987 - 1987	CONSCOOP	PG
Upgrade railway line Tirano Milan - Section Airuno Calolziocorte	1985 - 1987	Cleifer Concessionario FS	PE
Third railway tunnel between Milan and Genoa	1975 - 1975	Comune di Genova	SF
Railway line relocation in Bari	1968 - 1968	Ferrovie dello Stato	SF

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
Railway and civil works for a factory in Russia	2014 - 2015	Tecnimont S.p.A.	
High-speed rail line between Jeddah and Riyadh (Saudi Arabia)	2013 - 2015	Italferr S.p.A.	PP+PD
Ruwais Port railway line in the United Arab Emirates	2012 - 2013	Tecnimont S.p.A.	PD
Tender - Railway line from Habshan to Shah in the United Arab Emirates	2011 - 2011	Tecnimont S.p.A.	PD
High capacity railway line Turin Lyon - Safety Road to Saint Martin la Porte	2002 - 2012	LTF - Lyon Turin Ferroviare	PE+DL
Algeria railway line - Section El Gourzi El Khroub	1988 - 1999	Cogefar S.p.a.	SF
Algeria railway line - Section Ramdane Djamel Costantine	1988 - 1999	Cogefar S.p.a.	SF
Aço railway tunnel in Brazil - double line	1976 - 1977	Toniolo Busnello s.a.	DL
Transcamerounian railway from Yaoundé to Ngaoundéré in Cameroon	1976 - 1977	Cogefar S.p.a.	PE+DL

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Railway viaducts, tunnels and other works</u>			
Station Zanardi and Prati di Caprara from the Bologna railway system	2012 - 2013	Italferr S.p.A.	PD
Milan Venice railway line - S. Martino Buon Albergo and Verona - Acoustical barriers	2012 - 2013	R.F.I. Rete Ferroviaria Italiana S.p.a.	VP+SI
Milan Bologna railway line - GA21 - Cut and cover tunnel	2012 - 2012	Italferr S.p.A.	PD
Audit of the Turin Porta Susa station	2011 - 2012	Italferr S.p.A.	VP
High capacity railway line Turin Venice - Hydraulic culverts	2011 - 2012	Consorzio Cepav 2	PE
High capacity railway line Milan - Bologna - Zanardi junction	2011 - 2011	Italferr S.p.A.	PE+VP
Via Volpiano railway underpass in Brandizzo	2011 - 2011	R.F.I. Rete Ferroviaria Italiana S.p.a.	PE
Project analysis of the Flaminio station in Rome	2010 - 2010	prof. Giuseppe Arena	VP
Cassia Monte Mario railway tunnel	2009 - 2009	Italferr S.p.A.	PE
Roma Pigneto stop on the railway line fm1	2009 - 2009	R.F.I. Rete Ferroviaria Italiana S.p.a.	PD+PE
Tunnels of the Voltri Brignole line – Lot no. 3	2006 - 2011	Italferr S.p.A.	PD+PE
Removal of level crossings on the Bari Foggia railway line	2008 - 2008	Italferr S.p.A.	PE
Turin Milan railway line and Turin Modane lines - Removal of level crossings	2007 - 2008	R.F.I. Rete Ferroviaria Italiana S.p.a.	PD+PE
Castellano tunnel on the Bologna Lecce railway line	2007 - 2007	Italferr S.p.A.	PE
Coreca railway tunnel on the Battipaglia Reggio Calabria railway route	2007 - 2007	Italferr S.p.A.	PD
Cassia Monte Mario tunnel route B from the progression 21+090 to the progr. 22+050	2006 - 2006	Italferr S.p.A.	PE
Natural polycentric tunnel between Camerone Salesiani and Bologna railway junction station – lot 5	2005 - 2006	Italferr S.p.A.	PE
Tunnels of the Passo Corese Rieti railway line - Section Corese Osteria Nuova	2005 - 2005	Italferr S.p.A.	PD
Tunnels of the Voltri Brignole railway line - Lots no. 2 and no. 4	2004 - 2006	Italferr S.p.A.	PD
Tunnel for Messina Palermo railway line - Section Ogiastriello Castelbuono	2005 - 2005	Italferr S.p.A.	PD
Access well of the Fire Brigades in via Fossolo – Bologna railway junction	2004 - 2005	Italferr S.p.A.	PE
Tunnels of the Caserta Foggia railway line - Section Bovino Orsara	2003 - 2004	Italferr S.p.A.	PD
Railway underpasses within the ex-OM area Urban Plan in Milan	2003 - 2003	Paleo S.r.l.	PP+PD+PE+SI+DL
Adjustment of railway bridges of Milan Southern railway line	2002 - 2004	R.F.I. Rete Ferroviaria Italiana S.p.a.	PE
Villamaggiore station within the works on the Milan sud logistic centre in Lacchiarella	1995 - 1996	I.M.S. S.p.a.	SF
Railway underpass in Lecco Maggianico	1990 - 1990	Ferrovie dello Stato	PE

TITLE OF THE WORK	PERIOD	CLIENT	SERVICE PERFORMED
<u>Undergrounds</u>			
Copenhagen cityring Metro - Two stations	2011 - 2015	Technimont S.p.a.	PD+PE
Milan Metro line 2 - Extension Cologno Monzese - Vimercate	2010 - 2012	MM Metropolitana Milanese S.p.a.	PD
Milan Metro line 4	2010 - 2015	Impregilo S.p.A. - Astaldi S.p.a.	PD+PE
Milan Metro line 5 - Extension section San Siro - Settimo Milinese	2008 - 2008	Astaldi S.p.a.	SF
Milan Metro line 5	2000 - 2015	Astaldi S.p.a.	PD+PE
Parma Metro line - Integration with the Bohigas project of the railway station	2007 - 2007	Metro Parma S.p.a.	PP+PD
Parma Metro line	2005 - 2010	Metro Parma S.p.a.	PD+PE
Turin Metro line 1 - Westward extension	2002 - 2003	MM Metropolitana Milanese S.p.a.	PD
Monza Metro line	1997 - 1999	Alstom Transport S.p.a.	PD
Sub-lagoon underground connection between Giudecca and Venice historic centre	1988 - 1989	Acqua Marcia S.p.a.	SF
Florence Metro line	1970 - 1974	Comune di Firenze	SF+PP
Genoa Metro Line	1969 - 1975	Comune di Genova	SF+PP
Bologna Metro Line	1969 - 1973	Intermetro S.p.A.	SF+PP
Palermo Metro Line	1969 - 1973	Intermetro S.p.A.	SF+PP
Bari Metro Line	1969 - 1973	Intermetro S.p.A.	SF+PP
Venice Metro Line	1964 - 1972	Comitato per la metropolitana di Venezia	SF
Turin Metro line	1965 - 1970	S.S.G. Società Strada Guidata S.p.a.	PG

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<u>Urban public transport</u>			
Nice tramway	2012 - 2012	Technimont S.p.a.	PP+PD
Tramways in Ivory Coast	2008 - 2008	MAS Group	SF+PP
Northern and southern tramways in Milan	2003 - 2004	MM Metropolitana Milanese S.p.a.	DL
Turin tramway line 4	2003 - 2003	MM Metropolitana Milanese S.p.a.	PE