



## REFERENCE LIST STAY CABLES



*Update: April 2008*

## REFERENCE LIST FOR STAY CABLES WORKS

<b>Project</b>	: <b>BRIDGE OVER THE ZEMOLA CREEK</b>
<b>Site location</b>	: Sernio (Sondrio) - Italy
<b>Length</b>	: 50 m.
<b>No. of stays</b>	: 12
<b>Max. no. of strands per anchorage</b>	: 19 - 15.2 mm. dia.
<b>Deck type</b>	: Steel
<b>Contractor</b>	: ING. MARIO MAZZONI (Italy)
<b>Designer</b>	: COMPAGNONI (Italy)
<b>Period</b>	: 04/1990 - 09/1990

<b>Project</b>	: <b>BRIDGE OVER THE GARIGLIANO RIVER</b>
<b>Site location</b>	: Formia - Latina - (Italy)
<b>Main span</b>	: 2 x 90 m.
<b>Stay cables</b>	: 125 tons
<b>No. of stays</b>	: 36
<b>Max. no. of strands per anchorage</b>	: 55 - 15.7 mm. dia.
<b>Deck type</b>	: Precast segments - concrete multi light box section
<b>Main Client</b>	: ANAS - Department for the Sarno Roadway System (Italy)
<b>Contractor</b>	: GIUSTINO COSTRUZIONI (Italy)
<b>Designer</b>	: Prof. Ing. M. Mele - Ing. S. Masciocchi (Italy)
<b>Period</b>	: 11/1992 - 07/1994

<b>Project</b>	: <b>ERASMUS BRIDGE</b>
<b>Site location</b>	: Rotterdam (The Netherlands)
<b>Main span</b>	: 284 m.
<b>Stay cables</b>	: 600 tons
<b>No. of stays</b>	: 40
<b>Max. no. of strands per anchorage</b>	: 127 - 15.7 mm. dia.
<b>Deck type</b>	: Orthotropic steel deck, 8 mm. epoxy wearing course
<b>Main Client</b>	: MUNICIPALITY OF ROTTERDAM (The Netherlands)
<b>Contractor</b>	: J.V. GROOTINT B.V. - CFE - MBG (The Netherlands)
<b>Designer</b>	: ARCH. BEN VAN BERKEL - GEMEENTE WERKEN ROTTERDAM (The Netherlands)
<b>Period</b>	: 04/1995 - 07/1996

<b>Project</b>	: <b>BRIDGE OVER THE LOING RIVER</b>
<b>Site</b>	: Nemours (France)
<b>Main span</b>	: 165,42 m.
<b>Stay cables</b>	: 37 tons
<b>No. of stays</b>	: 36
<b>Max. no. of strands per anchorage</b>	: 28 - 15.7 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: SEINE ET MARNE GENERAL COUNCIL DDE (France)
<b>Contractor</b>	: DEMATHIEU & BARD (France)
<b>Designer</b>	: JEAN MULLER INTERNATIONAL (France)
<b>Period</b>	: 06/1996 - 12/1996

<b>Project</b>	: <b>PALIZZI RAILWAY BRIDGE</b>
<b>Site location</b>	: Milano (Italy)
<b>Main span</b>	: 90 m.
<b>Stay cables</b>	: 20 tons
<b>No. of stays</b>	: 8
<b>Max. no. of strands per anchorage</b>	: 55 - 15.7 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: METROPOLITANA MILANESE (Italy)
<b>Contractor</b>	: BONATTI (Italy)
<b>Designer</b>	: PROF. ING. FRANCESCO MARTINEZ Y CABRERA (Italy)
<b>Period</b>	: 12/1996 - 04/1997

<b>Project</b>	: <b>JURA OVERPASS</b>
<b>Site location</b>	: Desnes - A39 Expressway (France)
<b>Main span</b>	: 80 m.
<b>Stay cables</b>	: 28 tons
<b>No. of stays</b>	: 17
<b>Max. no. of strands per anchorage</b>	: 61 - 15.7 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: SAPPR Société des Autoroutes Paris-Rhin-Rhone (France)
<b>Contractor</b>	: DEMATHIEU & BARD (France)
<b>Designer</b>	: JEAN MULLER INTERNATIONAL (France)
<b>Period</b>	: 09/1997 - 04/1998

<b>Project</b>	: <b>SANTA APOLONIA RAILWAY BRIDGE</b>
<b>Site location</b>	: Lisbon (Portugal)
<b>Main span</b>	: 80 m.
<b>Stay cables</b>	: 42 tons
<b>No. of stays</b>	: 16
<b>Max. no. of strands per anchorage</b>	: 55 - 15.2 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: CAMINHOS DE FERRO PORTUGUESES, E.P. (Portugal)
<b>Contractor</b>	: J.V. SOARES DA COSTA/TEIXEIRA DUARTE (Portugal)
<b>Designer</b>	: ENG. J.L. CANCIO MARTINS (Portugal)
<b>Period</b>	: 11/1997 - 08/1998

<b>Project</b>	: <b>DINTELHAVEN RAILWAY BRIDGE</b>
<b>Site location</b>	: Rotterdam (The Netherlands)
<b>Main span</b>	: 170 m.
<b>Stay cables</b>	: 25 tons
<b>No. of stays</b>	: 30
<b>Max. no. of strands per anchorage</b>	: 31 - 15.7 mm. dia.
<b>Deck type</b>	: Steel
<b>Main Client</b>	: NS Railinfra-Beheer-Management Groep Betuwe-Route (The Netherlands)
<b>Contractor</b>	: HOLLANDIA B.V. (The Netherlands)
<b>Designer</b>	: HOLLAND RAILCONSULT (The Netherlands)
<b>Period</b>	: 12/1997 - 07/1998

<b>Project</b>	: <b>BRIDGE OVER THE PARANAIBA RIVER</b>
<b>Site location</b>	: Carneirinho-MG
<b>Main span</b>	: 350 m.
<b>Stay cables</b>	: 632 tons
<b>No. of stays</b>	: 140
<b>Max. no. of strands per anchorage</b>	: 55 - 15.7 mm. dia.
<b>Deck type</b>	: Concrete - segment bridge
<b>Main Client</b>	: DER - MG (Brazil)
<b>Contractor</b>	: CONSTRUTORA QUEIRÓZ GALVÃO S/A (Brazil)
<b>Designer</b>	: NORONHA ENGENHARIA S.A. (Brazil)
<b>Period</b>	: 04/1998 - 08/2003

<b>Project</b>	: <b>BRIDGE OVER THE PINHEIROS RIVER</b>
<b>Site location</b>	: Sao Paulo (Brazil)
<b>Main span</b>	: 122 m.
<b>Stay cables</b>	: 144 tons
<b>No. of stays</b>	: 34
<b>Max. no. of strands per anchorage</b>	: 55 - 15.7 mm. dia.
<b>Deck type</b>	: Concrete box-segment bridge
<b>Main Client</b>	: CPTM (Brazil)
<b>Contractor</b>	: O.A.S. LTDA. (Brazil)
<b>Designer</b>	: J.V. ENESCIL (Brazil) - JEAN MULLER INTERNATIONAL (France)
<b>Period</b>	: 09/1998 - 03/2000

<b>Project</b>	: <b>BRIDGE OVER THE CUIABÁ RIVER</b>
<b>Site location</b>	: Cuiabá – Mato Grosso Do Norte (Brazil)
<b>Main span</b>	: 157 m.
<b>Stay cables</b>	: 250 tons
<b>No. of stays</b>	: 72
<b>Max. no. of strands per anchorage</b>	: 73 - 15,7 mm. dia.
<b>Deck type</b>	: Precast-concrete
<b>Main Client</b>	: DOP – MT (Brazil)
<b>Contractor</b>	: RIVOLI SPA (Italy)
<b>Designer</b>	: PROF. ING. FRANCESCO MARTINEZ Y CABRERA (Italy)
<b>Period</b>	: 06/2000 - 01/2002

<b>Project</b>	: <b>BRIDGE OVER THE PARANOÁ LAKE</b>
<b>Site location</b>	: Brasilia – DF (Brazil)
<b>Main span</b>	: 3 x 240 m.
<b>Stay cables</b>	: 91 tons
<b>No. of stays</b>	: 48
<b>Max. no. of strands per anchorage</b>	: 41 – 15,7 mm. dia.
<b>Deck type</b>	: Orthotropic steel deck
<b>Main Client</b>	: NOVACAP, The Government of the Federal District of Brasilia (Brazil)
<b>Contractor</b>	: VIA DRAGADOS S/A (Brazil)
<b>Designer</b>	: PROJECONSULT (Brazil)
<b>Period</b>	: 06/2000 - 12/2002

<b>Project</b>	: <b>BRIDGE OVER THE GUAMÁ RIVER</b>
<b>Site location</b>	: Belém – PA (Brazil)
<b>Main span</b>	: 320 m.
<b>Stay cables</b>	: 600 tons
<b>No. of stays</b>	: 152
<b>Max. no. of strands per anchorage</b>	: 61 – 15,7 mm. dia.
<b>Deck type</b>	: Precast-concrete
<b>Main Client</b>	: SETRAN – PA (Brazil)
<b>Contractor</b>	: CONSÓRCIO NOVO GUAMÁ Construbase/Constr.Cidade/ Probases/ Paulitec - (Brazil)
<b>Designer</b>	: ENESCIL (Brazil) – STUDIO DE MIRANDA ASSOCIATI (Italy)
<b>Period</b>	: 02/2001 - 10/2002

<b>Project</b>	: <b>REHABILITATION OF THE KWANZA BRIDGE</b>
<b>Site location</b>	: Barra do Kwanza (Angola)
<b>Main span</b>	: 260 m.
<b>Stay cables</b>	: 120 tons
<b>No. of stays</b>	: 24
<b>Max. no. of strands per anchorage</b>	: 61 - 15,7 mm. dia.
<b>Deck type</b>	: steel
<b>Main Client</b>	: REPUBLICA DE ANGOLA - MINISTERIO DAS OBRAS PUBLICAS E URBANISMO - INSTITUTO DE ESTRADAS DE ANGOLA (Angola)
<b>Contractor</b>	: TEIXEIRA DUARTE S.A. (Portugal)
<b>Designer</b>	: ENG. ARMANDO RITO (Portugal) - STUDIO DE MIRANDA ASSOCIATI (Italy)
<b>Period</b>	: 09/2001 – 12/2002

<b>Project</b>	: <b>SHAIKH KHALIFA BIN SALMAN BRIDGE</b>
<b>Site location</b>	: Hidd (Bahrain)
<b>Main span</b>	: 121 m.
<b>Stay cables</b>	: 28 tons
<b>No. of stays</b>	: 108
<b>Max. no. of strands per anchorage</b>	: 16 - 15,7 mm. dia.
<b>Deck type</b>	: Steel-concrete
<b>Main Client</b>	: STATE OF BAHRAIN - MINISTRY OF WORKS AND AGRICULTURE ROADS DIRECTORATE (Bahrain)
<b>Contractor</b>	: CLEVELAND BRIDGE U.K. (U.K.)
<b>Designer</b>	: HYDER CONSULTING (U.K.)
<b>Period</b>	: 08/2002 - 04/2003

<b>Project</b>	: <b>CABLE-STAYED BRIDGE "IMIGRANTES" HIGHWAY</b>
<b>Site location</b>	: Santos - SP (Brazil)
<b>Main span</b>	: 85 m.
<b>Stay cables</b>	: 100 tons
<b>No. of stays</b>	: 44
<b>Max. no. of strands per anchorage</b>	: 55 - 15,7 mm. dia.
<b>Deck type</b>	: Precast-concrete
<b>Main Client</b>	: ECOVIAS DOS IMIGRANTES S.A. (Brazil)
<b>Contractor</b>	: EBEC – Engª Bras.de Constr.S/A (Brazil)
<b>Designer</b>	: OUTEC ENGENHARIA Ltda (Brazil)
<b>Period</b>	: 06/2002 - 12/2002

<b>Project</b>	: <b>FOOTBRIDGE GEMELLI HOSPITAL</b>
<b>Site location</b>	: Rome (Italy)
<b>Main span</b>	: 110 m.
<b>Stay cables</b>	: 40 tons
<b>No. of stays</b>	: 4
<b>Max. no. of strands per anchorage</b>	: 9 - 15,7 mm. dia.
<b>Deck type</b>	: steel
<b>Main Client</b>	: UNIVERSITA CATTOLICA DEL SACRO CUORE POLICLINICO AGOSTINO GEMELLI (Italy)
<b>Contractor</b>	: GIOVANNINI & MICHELI (Italy)
<b>Designer</b>	: Arch. G. MANARA (Italy)
<b>Period</b>	: 11/2002 - 02/2003

	<b>REHABILITATION OF THE INDIANO BRIDGE OVER THE ARNO RIVER</b>
<b>Project</b>	:
<b>Site location</b>	: Florence (Italy)
<b>Main span</b>	: 166 m.
<b>No. of stays</b>	: 14 max. no. 350 x 7 mm. dia. wires
<b>Deck type</b>	: steel-concrete
<b>Main Client</b>	: MUNICIPALITY OF FIRENZE (Italy)
<b>Contractor</b>	: ANTONIO SANTALUCIA & CO. (Italy)
<b>Designer</b>	: Eng. G. MORANO & Eng. P. SPINELLI (Italy)
<b>Period</b>	: 03/2003 - 10/2003

<b>Project</b>	: <b>BRIDGE BETWEEN VOLTURNO AND MAGENTA STREETS</b>
<b>Site location</b>	: Rho (Milano) - Italy
<b>Main span</b>	: 51 m.
<b>Stay cables</b>	: 4,2 tons
<b>No. of stays</b>	: 4
<b>Max. no. of strands per anchorage</b>	: 31
<b>Deck type</b>	: steel
<b>Main Client</b>	: MUNICIPALITY OF RHO (Milano) - Italy
<b>Contractor</b>	: SICES (Italy)
<b>Designer</b>	: PROGETTI E STRUTTURE - PROF. EDMONDO VITIELLO (Italy)
<b>Period</b>	: 05/2003

<b>Project</b>	: <b>IRINEU BORNHAUSEN BRIDGE</b>
<b>Site location</b>	: Brusque - SC (Brazil)
<b>Main span</b>	: 61,35 m.
<b>Stay cables</b>	: 29 tons
<b>No. of stays</b>	: 8
<b>Max. no. of strands per anchorage</b>	: 91 - ø 15,7 mm
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: CIA.DE DESENVOLVIMENTO DE BRUSQUE - CODEB (P.M.BRUSQUE) -
<b>Contractor</b>	: CIA.DE DESENVOLVIMENTO DE BRUSQUE - CODEB (Brazil)
<b>Designer</b>	: STUDIO DE MIRANDA ASSOCIATI (Italy) PROJEMAR ENGª E CONSULTORIA S/C LTDA (Brazil)
<b>Period</b>	: 04/2003 - 12/2003

<b>Project</b>	: <b>SEA PALLINI BRIDGE</b>
<b>Site location</b>	: Athens (Greece)
<b>Main span</b>	: 60 m.
<b>Stay cables</b>	: 10,8 tons
<b>No. of stays</b>	: 6
<b>Max. no. of strands per anchorage</b>	: 42 - 15,7 mm. dia.
<b>Deck type</b>	: steel
<b>Main Client</b>	: MINISTRY OF PUBLIC WORKS (Greece)
<b>Contractor</b>	: J.V.: J & P - AVAX - AKTOR (Greece)
<b>Designer</b>	: DOMI O.E. - S. STATHOPOULOS - K. FARROS Consulting Engineers (Greece)
<b>Period</b>	: 06/2003 - 08/2003

<b>Project</b>	: <b>BRIDGE OVER THE ACRE RIVER</b>
<b>Site location</b>	: Acre - AC (Brazil)
<b>Main span</b>	: (77,50 + 40 m)
<b>Stay cables</b>	: 18 tons
<b>No. of stays</b>	: 20
<b>Max. no. of strands per anchorage</b>	: 35 - 15,7 mm. dia.
<b>Deck type</b>	: Steel - concrete
<b>Main Client</b>	: GOVERNO DO ESTADO DO ACRE (Brazil)
<b>Contractor</b>	: CONSÓRCIO EDITEC / CONSTRUTORA CIDADE S/A (Brazil)
<b>Designer</b>	: OUTEC ENG <sup>a</sup> DE PROJETOS S/C LTDA (Brazil)
<b>Period</b>	: 08/2003 - 08/2004

<b>Project</b>	: <b>BRIDGE OVER TIETÊ RIVER AND ROD.AYRTON SENNA (JACÚ-PÊSSEGO)</b>
<b>Site location</b>	: São Paulo - SP (Brazil)
<b>Main span</b>	: 2 x 126 m
<b>Stay cables</b>	: 220 tons
<b>No. of stays</b>	: 36
<b>Max. no. of strands per anchorage</b>	: 91 - 15,7 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: EMURB - EMPRESA MUNICIPAL DE URBANIZAÇÃO (P.M.DE SÃO PAULO) - Brazil
<b>Contractor</b>	: C.R.ALMEIDA ENGENHARIA E CONSTRUÇÕES S/A (Brazil) CONSTRUTORA COWAN S/A (Brazil)
<b>Designer</b>	: VETEC ENG <sup>a</sup> S/C LTDA / OUTEC ENG <sup>a</sup> DE PROJETOS S/C LTDA (Brazil) / STUDIO DE MIRANDA ASSOCIATI (Italy)
<b>Period</b>	: 08/2003 - 08/2004

<b>Project</b>	: <b>FOOTBRIDGE IN VAIANO</b>
<b>Site location</b>	: Vaiano (Italy)
<b>Main span</b>	: 36 m.
<b>Stay cables</b>	: 2 tons
<b>No. of stays</b>	: 6
<b>Max. no. of strands per anchorage</b>	: 7 - 15,7 mm. dia.
<b>Deck type</b>	: lamellar wood
<b>Main Client</b>	: MUNICIPALITY OF VAIANO (Italy)
<b>Contractor</b>	: C.A.P. Cemento Armato Precompresso S.p.A. (Italy)
<b>Designer</b>	: DR. ING. LUIGI CIATTI (Italy)
<b>Period</b>	: 09/2003 - 10/2003

<b>Project</b>	: <b>ARCH BRIDGE OVER THE TWENTE CHANNEL</b>
<b>Site location</b>	: Eefde - Zutphen (The Netherlands)
<b>Main span</b>	: 100 m.
<b>Stay cables</b>	: 10,2 tons
<b>No. of stays</b>	: 16
<b>Max. no. of strands per anchorage</b>	: 31 - 15,7 mm. dia.
<b>Deck type</b>	: steel
<b>Main Client</b>	: PRORAIL - Department Railway System (The Netherlands)
<b>Contractor</b>	: HOLLANDIA B.V. (The Netherlands)
<b>Designer</b>	: HOLLAND RAILCONSULT (The Netherlands)
<b>Period</b>	: 06/2004 - 06/2005

<b>Project</b>	: <b>BRIDGE OVER THE ERGIPE RIVER</b>
<b>Site location</b>	: Aracajú - SE (Brasil)
<b>Main span</b>	: 200 m.
<b>Stay cables</b>	: 320 tons
<b>No. of stays</b>	: 112
<b>Max. no. of strands per anchorage</b>	: 37- 15,7 mm. dia.
<b>Deck type</b>	: concrete
<b>Main Client</b>	: DER- Departamento de Estradas de Rodagem
<b>Contractor</b>	: EMSA - Empresa Sul Americana de Montagens S/A
<b>Designer</b>	: PROTENDE SISTEMAS E MÉTODOS DE CONSTRUÇÕES LTDA.
<b>Period</b>	: 11/2004 - 02/2007

<b>Project</b>	: <b>THE "COLLETTA" CABLE-STAYED BRIDGE OVER THE SANGONE CREEK</b>
<b>Site location</b>	: Giaveno (Turin) Italy
<b>Main span</b>	: 80 m.
<b>Stay cables</b>	: 66 tons
<b>No. of stays</b>	: 32
<b>Max. no. of strands per anchorage</b>	: 37 - 15,7 mm. dia.
<b>Deck type</b>	: concrete
<b>Deck width</b>	: 15,10 m.
<b>Deck depth</b>	: 1,20 m.
<b>Pylon height</b>	: 37 m.
<b>Main Client</b>	: PROVINCE OF TURIN
<b>Contractor</b>	: SISEA (Turin)
<b>Designer</b>	: MARIO PETRANGELI & ASSOCIATI (Italy)
<b>Period</b>	: 01/2005 - 06/2005

<b>Project</b>	: <b>BRIDGE OVER THE POTENGI RIVER</b>
<b>Site location</b>	: Natal - RN (Brazil)
<b>Main span</b>	: 212 m.
<b>Stay cables</b>	: 390 tons
<b>No. of stays</b>	: 140
<b>Max. no. of strands per anchorage</b>	: 73 - 15,7 mm. dia.
<b>Deck type</b>	: Concrete
<b>Main Client</b>	: SECRETARIA DE INFRA ESTRUTURA DO ESTADO DO RIO GRANDE DO NORTE
<b>Contractor</b>	: CONSÓRCIO QUEIRÓZ GALVÃO/CONSTRUBASE
<b>Designer</b>	: PROTENDE SISTEMAS E MÉTODOS DE CONSTRUÇÕES LTDA.
<b>Period</b>	: 06/2005 - 06/2007

<b>Project</b>	: <b>BRIDGE OVER RIO PALIDORO</b>
<b>Site location</b>	: S.S.1. AURELIA LOC. TORREIMPIETRA PALIDORO ROMA
<b>Main span</b>	: 45 m.
<b>Stay cables</b>	: 8,5 Tons
<b>No. of stays</b>	: 10
<b>Max. no. of strands per anchorage</b>	: 30
<b>Deck type</b>	: steel - concrete
<b>Main Client</b>	: ANAS COMPARTIMENTO DELLA VIABILITA' PER IL LAZIO
<b>Contractor</b>	: DA. MO. Srl
<b>Designer</b>	: Studio SOLIDUS
<b>Period</b>	: 09/10/2005

<b>Project</b>	: <b>BRIDGE OVER THE PO RIVER</b>
<b>Site location</b>	: Po river, Piacenza (Italy)
<b>Total length of the bridge</b>	: 400 m.
<b>Main span</b>	: 192 m.
<b>Stay cables</b>	: 530 tons
<b>No. of stays</b>	: 72
<b>Longest stay cable</b>	: 105 m.
<b>Max. no. of strands per anchorage</b>	: 91 – 15,7 mm. dia.
<b>Deck type</b>	: P.C. continuous box girder cable stayed deck
<b>Deck width</b>	: 15 m.
<b>Height of towers from deck level</b>	: 60 m.
<b>Main Client</b>	: TAV - High Speed Train Authority - (Italy)
<b>Contractor</b>	: GRANDI LAVORI FINCOSIT (Italy)
<b>Designer</b>	: MPA - MARIO PETRANGELI & ASSOCIATI (Italy)
<b>Period</b>	: 08/2005 - 03/2007
	Note: this bridge will be the first cable-stayed bridge for High Speed Train in the world and meanwhile the longest railway cable-stayed bridge with concrete deck.

<b>Project</b>	: <b>PEDESTRIAN BRIDGE OVER SILE RIVER IN JESOLO</b>
<b>Site location</b>	: Jesolo (Italy)
<b>Main span</b>	: 47 m.
<b>Stay cables</b>	: 1 ton
<b>No. of stays</b>	: 8
<b>Max. no. of strands per anchorage</b>	: 3 - 15,7 mm dia.
<b>Deck type</b>	: Steel
<b>Main Client</b>	: Municipality of Jesolo (Italy)
<b>Contractor</b>	: OFF.M.A. srl
<b>Designer</b>	: Studio di Ingegneria Novarin - Udine
<b>Period</b>	: 11/2005

<b>Project</b>	: <b>BRIDGE IN ALVES - BRESSANONE</b>
<b>Site location</b>	: Bressanone (Bolzano) - Italy
<b>Main span</b>	: 80 m.
<b>Stay cables</b>	: 40 tons
<b>No. of stays</b>	: 12
<b>Max. no. of strands per anchorage</b>	: 55 – 15,7 mm. dia.
<b>Deck type</b>	: steel
<b>Main Client</b>	: PROVINCE OF BOLZANO - (Italy)
<b>Contractor</b>	: WIPPTALER BAU / CIMOLAI (Italy)
<b>Designer</b>	: 3M Engineering (Italy)
<b>Period</b>	: 01/2006 - 04/2006

<b>Project</b>	: <b>CYCLE-PEDESTRIAN BRIDGE OVER THE LYS CREEK</b>
<b>Site location</b>	: Pont Saint Martin (Aosta) - Italy
<b>Main span</b>	: 42 m.
<b>Stay cables</b>	: 1,3 tons
<b>No. of stays</b>	: 10
<b>Max. no. of strands per anchorage</b>	: 3 - 15,7 mm. dia.
<b>Deck type</b>	: concrete, steel and wood
<b>Main Client</b>	: AUTONOMOUS PROVINCE VALLE D'AOSTA (Italy)
<b>Contractor</b>	: GONTIER MASSIMO (Italy)
<b>Designer</b>	: SITEC ENGINEERING (Italy)
<b>Period</b>	: 12/2006 - 01/2007

<b>Project</b>	: <b>CHIHANI SUSPENDED BRIGE</b>
<b>Site location</b>	: Chihani (Wilaya El Tarf) - Algeria
<b>Main span</b>	: 100 m 28 tons
<b>Suspension cables, stays and hangers</b>	:
<b>No. of cables</b>	: 6 suspension cables, 24 stays + 114 hangers
<b>Max. no. of strands per anchorage</b>	: 13 - 15,7 mm. dia.
<b>Deck type</b>	: Steel + concrete
<b>Deck width</b>	: 7 meters
<b>Pylon height</b>	: 12 meters
<b>Main Client</b>	: REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE
<b>Contractor</b>	: SAPTA Entreprise Publique Economique (Algeria)
<b>Designer</b>	: INTEGRA (Italy)
<b>Period</b>	: 07/2007 - 03/2008

<b>Project</b>	: <b>BRIDGE OVER THE ADDA RIVER CONNECTION BETWEEN S.P. 72 LAKE OF COMO AND S.S. 639</b>
<b>Site location</b>	: Olginate (Lecco) - Italy
<b>Main span</b>	: 110 m
<b>Stay cables</b>	: 65 tons
<b>No. of stays</b>	: 48 stays
<b>Max. no. of strands per anchorage</b>	: 31 - 15,7mm. dia.
<b>Deck type</b>	: Concrete
<b>Deck width</b>	: 11,5 meters
<b>Pylon height</b>	: 30 meters
<b>Main Client</b>	: PROVINCE OF LECCO (Italy)
<b>Contractor</b>	: VITALI (Italy)
<b>Designer</b>	: ENG. ANGELO VALSECCHI (Italy)
<b>Period</b>	: 02/2008 - under construction

<b>Project</b>	: <b>CYCLE-PEDESTRIAN BRIDGE OVER THE LAMBRO RIVER AREA EX BROGGI IZAR</b>
<b>Site location</b>	: Melegnano (Milano) - Italy
<b>Main span</b>	: 30 meters
<b>Stay cables</b>	: 1 ton
<b>No. of stays</b>	: 6 stays
<b>Max. no. of strands per anchorage</b>	: 4 - 15,7mm. dia.
<b>Deck type</b>	: Steel
<b>Deck width</b>	: 5,5 meters
<b>Pylon height</b>	: 15,5 meters
<b>Main Client</b>	: GRAPHIS (Italy)
<b>Contractor</b>	: GIUPPI COSTRUZIONI GENERALI (Italy)
<b>Designer</b>	: MIGLIORA INGG. LUIGI E CARLO STUDIO DI INGEGNERIA ASSOCIATO (Italy)
<b>Period</b>	: 04/2008 - under construction

<b>Project</b>	: <b>STAY CABLE BRIDGE - VAL DI PAI</b>
<b>Site location</b>	: Sondrio (Italy)
<b>Main span</b>	: 118 meters
<b>Stay cables</b>	: 42 tons
<b>No. of stays</b>	: 15 stays
<b>Max. no. of strands per anchorage</b>	: 44 - 15,7mm. dia.
<b>Deck type</b>	: Concrete
<b>Deck width</b>	: 9,5 meters
<b>Pylon height</b>	: 47,5 meters
<b>Main Client</b>	: PROVINCE OF SONDRIO (Italy)
<b>Contractor</b>	: GLG (Italy)
<b>Designer</b>	: STUDIO DE MIRANDA ASSOCIATI (Italy)
<b>Period</b>	: scheduled September 2008

<b>Project</b>	: <b>S.S. 554 INTERCHANGE - POLICLINICO UNIVERSITARIO</b>
<b>Site location</b>	: Cagliari (Italy)
<b>Main span</b>	: 88 meters
<b>Stay cables</b>	: 75 tons
<b>No. of stays</b>	: 15 stays
<b>Max. no. of strands per anchorage</b>	: 55 - 15,7mm. dia.
<b>Deck type</b>	: Concrete
<b>Deck width</b>	: 18 meters
<b>Pylon height</b>	: 63 meters
<b>Main Client</b>	: PROVINCE OF CAGLIARI (Italy)
<b>Contractor</b>	: IMPRESA DI COSTRUZIONI ING. RAFFAELLO PELLEGRINI (Italy)
<b>Designer</b>	: ENG. LORENZO MULAS (Italy)
<b>Period</b>	: scheduled September 2008