

## REFERENCE LIST

### Aerodynamic investigations and wind-tunnel model tests

#### BRIDGE PROJECTS

Year	Structure	Client and type of project
2024	Clifton Suspension Bridge Bristol, UK	<i>Type:</i> Suspension Bridge, main span 214m <i>Client:</i> Clifton Suspension Bridge Trust <i>Tests:</i> Section model tests
2023- 2024	Mumbai Trans-Harbour Link Steel Bridges India	<i>Type:</i> Girder bridges, span lengths vary <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Additional section model tests
2023	Kapurthala Bridge, India	<i>Type:</i> Cable-Stayed Bridge <i>Client:</i> S.P. Singla Constructions Pvt. Ltd <i>Tests:</i> Full-bridge model tests
2023	Kremenchuk Bridge, Ukraine	<i>Type:</i> Cable-stayed bridge, main span 360m <i>Client:</i> Dogus Construction and Teknik Mühendislik <i>Tests:</i> Section model tests
2023	Great Belt East Bridge Denmark	<i>Type:</i> Suspension Bridge, main span 1624m <i>Client:</i> A/S Storebælt <i>Tests:</i> Wind screens – full-scale measurements
2023	Kapurthala Bridge, India	<i>Type:</i> Cable-Stayed Bridge <i>Client:</i> S.P. Singla Constructions Pvt. Ltd <i>Tests:</i> Section model tests
2022- 2023	Missing Link Project India	<i>Type:</i> Parallel cable-stayed bridges, main span 305m <i>Client:</i> Afcons Infrastructure Ltd. <i>Tests:</i> Full bridge model tests and free-standing pylon tests
2022	Great Belt East Bridge Denmark	<i>Type:</i> Suspension Bridge, main span 1624m <i>Client:</i> A/S Storebælt <i>Tests:</i> Wind shielding study – supplementary tests
2022	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> DLSY ADI ORTAKGILI <i>Tests:</i> Rain wind induced vibration with hanger cable
2022	Missing Link Project India	<i>Type:</i> Parallel cable-stayed bridges, main span 305m <i>Client:</i> Afcons Infrastructure Ltd. <i>Tests:</i> Supplementary section model tests
2021	Pattullo Bridge Vancouver, Canada	<i>Type:</i> Cable-Stayed Bridge, main span 330m <i>Client:</i> Wacker Ingenieure GmbH <i>Tests:</i> Full bridge model tests, in-service stage and erection stages
2021- 2022	Sulafjord and Halsafjord Crossings Norway	<i>Type:</i> Suspension Bridges, main span lengths undisclosed <i>Client:</i> Aas-Jakobsen, COWI and Multiconsult <i>Tests:</i> Section model tests
2021	Great Belt East Bridge Denmark	<i>Type:</i> Suspension Bridge, main span 1624m <i>Client:</i> A/S Storebælt <i>Tests:</i> Wind shielding study

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2021	Missing Link Project India	<i>Type:</i> Parallel cable-stayed bridges, main span 305m <i>Client:</i> Afcons Infrastructure Ltd. <i>Tests:</i> Section model tests
2021	Suspension bridge over Danube Braila area, Romania	<i>Type:</i> Suspension bridge, main span 1120m <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Supplementary section model tests
2020- 2021	Kirjalansalmi Bridge Finland	<i>Type:</i> Cable-Stayed Bridge, main span 250m <i>Client:</i> WSP Finland Oy <i>Tests:</i> Section model tests
2020- 2021	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> DLSY ADI ORTAKGILI <i>Tests:</i> Aeroelastic wind tunnel tests of catwalk
2021	Bridge stay cables	<i>Type:</i> Stay cables for cable-stayed bridge <i>Client:</i> DYWIDAG-Systems International GmbH <i>Tests:</i> Icing tests with Rotating Bridge Cable Ducts
2020	The new Rama IX Cable-Stayed Bridge Bangkok, Thailand	<i>Type:</i> Cable-Stayed Bridges, main span 450m <i>Client:</i> CH. Karnchang Public Company <i>Tests:</i> Full bridge model tests, erection stages and free-standing pylon tests
2020	Bridge stay cables	<i>Type:</i> Stay cables for cable-stayed bridge <i>Client:</i> DYWIDAG-Systems International GmbH <i>Tests:</i> Drag tests for cable ducts
2020	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> DLSY ADI ORTAKGILI <i>Tests:</i> Hanger cable tests
2019- 2020	Mumbai Trans-Harbour Link Steel Bridges India	<i>Type:</i> Girder bridges, span lengths vary <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Additional section model tests
2019- 2020	Zuari River Cable Stayed Bridge Goa, India	<i>Type:</i> Parallel Cable-Stayed Bridges, main span 450m <i>Client:</i> Dilip Buildcon Ltd. <i>Tests:</i> Section model tests, full bridge model tests, erection stages and free-standing pylon tests
2019	Beyt Dwarka Cable-Stayed Bridge India	<i>Type:</i> Cable-Stayed Bridge, main span 500m <i>Client:</i> M/s SP Singla Constructions Pvt <i>Tests:</i> Section model tests
2019	Great Belt West Bridge Denmark	<i>Type:</i> Girder bridges, spans up to 110m <i>Client:</i> Technical University of Denmark <i>Tests:</i> Wind loads on trains and wind flow conditions
2018	Suspension bridge over Danube Braila area Romania	<i>Type:</i> Suspension bridge, main span 1120m <i>Client:</i> ASTALDI SpA - IHI Infrastructure Systems CO. LTD <i>Tests:</i> Confirmatory section model tests, high-Reynolds no. VIV tests
2018	Bridge cable	<i>Type:</i> Cables with external LED light <i>Client:</i> VSL International Ltd. <i>Tests:</i> Cable section model tests
2018	Mumbai Trans-Harbour Link Steel Bridges India	<i>Type:</i> Girder bridges, span lengths vary <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Section model tests
2018	Suspension bridge over Danube Braila area, Romania	<i>Type:</i> Suspension bridge, main span 1120m <i>Client:</i> ASTALDI SpA - IHI Infrastructure Systems CO. LTD <i>Tests:</i> Section model tests

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2018	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> DLSY Joint Venture <i>Tests:</i> Free-standing tower, tower constructing stages
2017	Suspension bridge over Danube Braila area, Romania	<i>Type:</i> Suspension bridge, main span 1120m <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Section model tests
2017	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> DLSY Joint Venture <i>Tests:</i> Tower section model tests
2017	Danjiang Cable-Stayed Bridge Taiwan	<i>Type:</i> Cable-stayed bridge, main span 450m <i>Client:</i> Leonhardt, Andrä und Partner <i>Tests:</i> Full bridge model tests – construction stage
2017	Bridge cable	<i>Type:</i> Bridge stay cable <i>Client:</i> DYWIDAG-Systems International GmbH <i>Tests:</i> Rain-wind vibration tests of filleted stay cable
2017	Thu Thiem 2 Bridge Vietnam	<i>Type:</i> Cable-stayed bridge, main span 200m <i>Client:</i> WSP Finland Ltd. <i>Tests:</i> Full bridge model tests
2016- 2017	Triple Deck Girder Research Project	<i>Type:</i> Suspension bridge, main span length not disclosed <i>Client:</i> University of Southern Denmark <i>Tests:</i> Section model tests
2016	Pelješac Bridge Croatia	<i>Type:</i> Cable-stayed bridge, main span 285m <i>Client:</i> PONTING Consulting Engineers <i>Tests:</i> Additional section model tests
2016	Thu Thiem 2 Bridge Vietnam	<i>Type:</i> Cable-stayed bridge, main span 200m <i>Client:</i> WSP Finland Ltd. <i>Tests:</i> Section model tests
2016	Çanakkale Bridge Turkey	<i>Type:</i> Suspension bridge, main span 2023m <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Section model tests
2016	New Champlain Bridge Canada	<i>Type:</i> Cable-stayed Bridge, main span 240m <i>Client:</i> DYWIDAG-Systems International GmbH <i>Tests:</i> Stay cable testing, climatic tests
2016	Danjiang Cable-Stayed Bridge Taiwan	<i>Type:</i> Cable-stayed bridge, main span 450m <i>Client:</i> Leonhardt, Andrä und Partner <i>Tests:</i> Full bridge model tests
2016	Erskine Bridge Scotland	<i>Type:</i> Cable-stayed bridge, main span 305m <i>Client:</i> Flint & Neill Ltd. <i>Tests:</i> Section model tests with various temporary installations
2016	Pelješac Bridge Croatia	<i>Type:</i> Cable-stayed bridge, main span 285m <i>Client:</i> PONTING Consulting Engineers <i>Tests:</i> Full bridge model tests
2015	Cross Bay Link Tseung Kwan O, Hong Kong	<i>Type:</i> Arch Bridge, main span 200m <i>Client:</i> The Government of the Hong Kong SAR <i>Tests:</i> Section model tests of deck and aeroelastic full bridge model tests
2015	Footbridge Crossing Eastern Channel (Southern Bridge) Tseung Kwan O, Hong Kong	<i>Type:</i> Arch footbridge, main span approx. 100m <i>Client:</i> The Government of the Hong Kong SAR <i>Tests:</i> Sectional model tests of deck and aeroelastic full bridge model tests

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2015	Markarfljót Footbridge Iceland	<i>Type:</i> Cable-supported Bridge, main span 158m <i>Client:</i> Icelandic Road Administration <i>Tests:</i> Section model tests
2014	Voroshilovsky Bridge Russia	<i>Type:</i> Cantilever Bridge, main span 156m <i>Client:</i> CJSC Institute "Strojproect" <i>Tests:</i> Aeroelastic model tests
2014	Pelješac Bridge Croatia	<i>Type:</i> Cable-stayed bridge, main span 285m <i>Client:</i> PONTING Consulting Engineers <i>Tests:</i> Section model tests
2014	Strabane Pedestrian Cycle Bridge UK	<i>Type:</i> Cable-stayed bridge, main span 80m <i>Client:</i> Strabane District Council, UK <i>Tests:</i> Aeroelastic full bridge model tests
2014	Kömürhan Bridge Turkey	<i>Type:</i> Cable-stayed bridge, main span 380m <i>Client:</i> Dogus-Gülsan JV <i>Tests:</i> Aeroelastic full bridge model tests
2014- 2017	Aerodynamics and icing of bridge cables with concave fillets	<i>Type:</i> Bridge stay cable <i>Client:</i> Technical University of Denmark <i>Tests:</i> Climatic testing of bridge cables
2013	Strabane Pedestrian Cycle Bridge UK	<i>Type:</i> Cable-stayed bridge , main span 80m <i>Client:</i> Strabane District Council, UK <i>Tests:</i> Section model tests, and wind analysis, buffeting analysis and equivalent static loads
2013	Petrovsky Channel Bridge Russia	<i>Type:</i> Cable-stayed bridge, main span 220m <i>Client:</i> Institute Giprostroymost, Russia <i>Tests:</i> Free-standing pylon tests
2013	Greenwich Reach Swing Bridge London, UK	<i>Type:</i> Cable-stayed bridge, main span 44m <i>Client:</i> Flint & Neill Ltd <i>Tests:</i> Section model tests, free-standing pylon tests
2013	Petrovsky Channel Bridge Russia	<i>Type:</i> Cable-stayed bridge, main span 220m <i>Client:</i> Institute Giprostroymost, Russia <i>Tests:</i> Section model tests
2013	Nissibi Bridge Turkey	<i>Type:</i> Cable-stayed bridge, main span 440m <i>Client:</i> Mega Yapi Ltd., Turkey <i>Tests:</i> Full bridge model tests
2012	Agin Bridge Turkey	<i>Type:</i> Cable-stayed bridge, main span 280m <i>Client:</i> Mega Yapi Ltd., Turkey <i>Tests:</i> Full bridge model tests
2012	Izmit Bay Bridge Turkey	<i>Type:</i> Suspension Bridge, main span 1550m <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Wind screen tests
2012	Eastern Bosphorus Strait Bridge Russia	<i>Type:</i> Cable-stayed bridge, main span 1104m <i>Client:</i> Institute Giprostroymost, Russia <i>Tests:</i> Supplementary full bridge model tests
2012	Kömürhan Bridge Turkey	<i>Type:</i> Cable-stayed bridge, main span 380m <i>Client:</i> Yuksel Proje Uluslararası a.s. <i>Tests:</i> Section model tests
2012	Erskine Bridge Scotland	<i>Type:</i> Cable-stayed bridge, main span 305m <i>Client:</i> Flint & Neill Ltd. <i>Tests:</i> Supplementary section model tests

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2011	Izmit Bay Bridge Turkey	<i>Type:</i> Suspension Bridge, main span 1550m <i>Client:</i> IHI Infrastructure Systems Co., Ltd. <i>Tests:</i> Section model tests
2011	Adler-Alpika Road Bridge Russia	<i>Type:</i> Cable-stayed bridge, , main span 312m <i>Client:</i> SC "Institute Giprostroymost", Moscow <i>Tests:</i> Section model, free-standing pylon, full bridge model tests
2011	Ob River Arch Bridge Russia	<i>Type:</i> Arch Bridge, main span 380m <i>Client:</i> Institute Strojproject, St. Petersburg <i>Tests:</i> Full bridge model tests
2010	Lake Grimsel Bridge Switzerland	<i>Type:</i> Cable-stayed bridge, main span 352m <i>Client:</i> Ingenieurgesellschaft Grimselbrücken, Suiss <i>Tests:</i> Additional section model tests
2010	Agin Bridge Turkey	<i>Type:</i> Cable-stayed bridge, main span 380m <i>Client:</i> Mega Yapi Ltd., Turkey <i>Tests:</i> Section model tests
2010	Danube River Bridge Bulgaria	<i>Type:</i> Girder Bridge, main span 180m <i>Client:</i> FCC Construcción, S.A., Spain <i>Tests:</i> Introductory Traffic Safety Investigations
2010	Kendari Bridge Indonesia	<i>Type:</i> Cable-stayed bridge, 200m main span <i>Client:</i> Ministry of Public Works Indonesia <i>Tests:</i> Section model tests
2010	Hålogalandbrua Norway	<i>Type:</i> Suspension Bridge, 1145m main span <i>Client:</i> COWI Norway <i>Tests:</i> Section model tests, high-Reynolds VIV tests
2010	Erskine Bridge Scotland	<i>Type:</i> Cable-stayed bridge, 305m main span <i>Client:</i> Flint & Neill Ltd. <i>Tests:</i> Section model tests, parapet replacement
2009	Samara Bridge Samara Russia	<i>Type:</i> Cable-stayed bridge, spans up to approx. 130m <i>Client:</i> Institute Stroyproject, Russia <i>Tests:</i> Full bridge model tests – construction stage
2009	Golden Horn Bay Bridge Russia	<i>Type:</i> Cable-stayed bridge, 737m main span <i>Client:</i> Institute Giprostroymost, Russia <i>Tests:</i> Supplementary section model tests
2009	West Gate Bridge Melbourne, Australia	<i>Type:</i> Cable-stayed bridge, 336m main span <i>Client:</i> West Gate Strengthening Alliance <i>Tests:</i> Section model tests
2008- 2009	Eastern Bosphorus Strait Bridge Russia	<i>Type:</i> Cable-stayed bridge, 1104m main span <i>Client:</i> COWI A/S <i>Tests:</i> Full bridge model, free-standing pylon, section model
2008	Ob River Bridge Novosibirsk, Russia	<i>Type:</i> Arch Bridge, 380m main span <i>Client:</i> Institute Strojproject, Russia <i>Tests:</i> Section model tests
2008	Golden Horn Bay Bridge Russia	<i>Type:</i> Cable-stayed bridge, 737m main span <i>Client:</i> Institute Giprostroymost, Russia <i>Tests:</i> Full bridge model and free-standing pylon tests
2008	Puente San Marcos México	<i>Type:</i> Highway Concrete Bridge, 180m main span <i>Client:</i> FCC. Construcción, Spain <i>Tests:</i> Construction stage and terrain model tests

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2008-2009	Lake Grimsel Bridge Switzerland	<i>Type:</i> Cable-stayed bridge, main span 352m <i>Client:</i> Ingenieurgesellschaft Grimselbrücken plus / Walt + Galmarini AG <i>Tests:</i> Section model tests
2008	Humber Bridge UK	<i>Type:</i> Suspension Bridge, main span 1410m <i>Client:</i> Humber Bridge Board / Flint & Neill Partnership <i>Tests:</i> Section model tests
2007	Hålogalandsbrua Norway	<i>Type:</i> Suspension Bridge, main span 1145m <i>Client:</i> COWI A/S <i>Tests:</i> Section model tests
2007	Pelješac Bridge Croatia	<i>Type:</i> Cable-stayed bridge, main span 385m <i>Client:</i> University of Zagreb <i>Tests:</i> Section model tests
2007	River Suir Bridge Ireland	<i>Type:</i> Cable-stayed bridge, main span 230m <i>Client:</i> Carlos Fernández Cassado S.L. <i>Tests:</i> Section model tests
2007	Alexander Bridge Skt. Petersburg, Russia	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Institute Giprostroykost, Russia <i>Tests:</i> Section model tests
2006-2007	Korean Bridge Korea	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Korea University <i>Tests:</i> Full bridge model tests
2006-2007	Passerelle de Sèvres Seguin Island Footbridge Paris, France	<i>Type:</i> Pedestrian bridge (suspension) <i>Client:</i> SAEM Val de Seine / Flint & Neill <i>Tests:</i> Section models (deck, cable, pylon)
2006	Golden Horn Bridge Vladivostok, Russia	<i>Type:</i> Cable-stayed bridge, , 737m main span <i>Client:</i> Institute Giprostroykost, Russia <i>Tests:</i> Section model tests
2006	Erskine Bridge Scotland	<i>Type:</i> Cable-stayed bridge, 305m main span <i>Client:</i> Flint & Neill Partnership <i>Tests:</i> Section model tests
2006	Sungai Johor Bridge Malaysia	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Ranhill <i>Tests:</i> Section model tests
2006	Musi-3 – Crossing South Sumatera, Indonesia	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Pemprov Sumatera Selatan <i>Tests:</i> Section model tests
2005	Pela Steel Arch Box Bridge Indonesia	<i>Type:</i> Arch Bridge <i>Client:</i> Pemkab Kutai Kartanegara <i>Tests:</i> Section model tests
2005	Serebriany Bor Bridge Moscow, Russia	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Institute Giprostroykost, Russia <i>Tests:</i> Section model tests and full-bridge model tests
2005	Chenab River Arch Bridge India	<i>Type:</i> Arch Bridge <i>Client:</i> Afcons, India <i>Tests:</i> Section model tests, full-bridge model tests, terrain model tests
2005	Busan-Geoje Fixed Link Korea	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Daewoo E&C, Korea <i>Tests:</i> Full-bridge model tests, free-standing pylon tests

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2005	Cable-stayed bridge for Southern Outer Bangkok Ring Road Thailand	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Ch. Karnchang Public Company Ltd. <i>Tests:</i> Full-bridge model tests Free-standing pylon tests
2004	Stonecutters Bridge Hong Kong	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Highways Department, Hong Kong <i>Tests:</i> Aeroelastic full-bridge model
2004	Rumpiang Bridge Indonesia	<i>Type:</i> Arch Bridge <i>Client:</i> Kimpraswil, Indonesia <i>Tests:</i> Section model tests, hanger noise tests
2004	Sungai Johor Bridge Malaysia	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Ranhill, Malaysia <i>Tests:</i> Section model and free-standing pylon study
2004	Viaducto de Montabliz Spain	<i>Type:</i> Highway Concrete Bridge <i>Client:</i> Ferrovial, Spain <i>Tests:</i> Wind load coefficients, section model study Terrain model study
2004	Neva Bridge St. Petersburg, Russia	<i>Type:</i> Twin Cable-stayed bridge <i>Client:</i> Institute Giprostroykost, Russia <i>Tests:</i> Section model study
2004	Stonecutters Bridge Hong Kong	<i>Type:</i> Twin Deck Cable-stayed bridge, main span 1018m <i>Client:</i> Arup, Hong Kong <i>Tests:</i> Small scale section model tests
2003	SuTong Bridge China	<i>Type:</i> Cable-stayed bridge, main span 1088m <i>Client:</i> COWI A/S <i>Tests:</i> High Reynolds Number section model tests
2003	Stonecutters Bridge Hong Kong	<i>Type:</i> Twin Deck Cable-stayed bridge, main span 1018m <i>Client:</i> Arup Hong Kong <i>Tests:</i> Profile measurements along bridge deck
2003	Stonecutters Bridge Hong Kong	<i>Type:</i> Twin Deck Cable-stayed bridge, main span 1018m <i>Client:</i> Arup Hong Kong <i>Tests:</i> Consultancy concerning full-bridge model tests
2003	Shenzhen Western Corridor Hong Kong	<i>Type:</i> Cable-stayed bridge, main span 210m <i>Client:</i> Highways Department Hong Kong <i>Tests:</i> Additional section model tests
2003	Kanne Suspension Bridge Belgium	<i>Type:</i> Suspension Bridge <i>Client:</i> Victor Buyck Steel Construction, Belgium <i>Tests:</i> Full aeroelastic bridge model
2003	Cable-stayed bridge Korea	<i>Type:</i> Cable-stayed bridge, main span length undisclosed <i>Client:</i> - <i>Tests:</i> Aeroelastic model incl. erection stages, section model tests
2002	Shenzhen Western Corridor Hong Kong	<i>Type:</i> Cable-stayed bridge, main span 210m <i>Client:</i> Highways Department Hong Kong
2002	Stonecutters Bridge Hong Kong	<i>Type:</i> Twin Deck Cable-stayed bridge, main span 1018m <i>Client:</i> Arup Hong Kong <i>Tests:</i> Detailed section model tests
2002	2 <sup>nd</sup> Geo-Geum Bridge Korea	<i>Type:</i> Suspension Bridge <i>Client:</i> - <i>Tests:</i> Section model, free-standing pylon, full aero-elastic model incl. erection stages

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2001	Stonecutters Bridge Hong Kong	<i>Type:</i> Twin Deck Cable-stayed bridge, main span 1018m <i>Client:</i> Arup Hong Kong <i>Tests:</i> Section model tests and full aeroelastic tests of 3m pylon model
2001	Tsing Lung Bridge Hong Kong	<i>Type:</i> Twin Deck Suspension Cable Bridge, main span 1418m <i>Client:</i> Maunsell Consultants Asia, Hong Kong <i>Tests:</i> Full aeroelastic bridge model tests Aeroelastic free-standing pylon tests 1:1000 landscape model of 100km <sup>2</sup> of Hong Kong
2001	Neva Bridge St. Petersburg, Russia	<i>Type:</i> Twin Cable-stayed bridge <i>Client:</i> WSP Kortes, Finland <i>Tests:</i> Full aeroelastic model tests
2001	University Bridge Malmö, Sweden	<i>Type:</i> Cable-stayed, Swing Bridge <i>Client:</i> Flint & Neil, UK <i>Tests:</i> Section model tests
2001	Chacao Bridge Chile	<i>Type:</i> Double Suspension Bridge <i>Client:</i> COWI-Quatro JV <i>Tests:</i> Full bridge aeroelastic model tests
2000	Skywalk Tower Bridge, Marriott Executive Apartments, Dubai	<i>Type:</i> Truss Bridge <i>Client:</i> Union Properties, United Arab Emirates <i>Tests:</i> Full bridge model tests
2000	Chacao Bridge Chile	<i>Type:</i> Double Suspension Bridge <i>Client:</i> COWI-Quatro JV <i>Tests:</i> Section model, free-standing pylon and full bridge model tests
2000	Öresund High Bridge Denmark-Sweden	<i>Type:</i> Cable-stayed bridge, 500m main span <i>Client:</i> Sundlink Contractors, Sweden <i>Tests:</i> Desk top study: wind-induced cable vibrations, pylon vortex-induced motion
2000	Verige Bridge Project Montenegro	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Gradis Design Office Ltd., Slovenia <i>Tests:</i> Section model test
1999	Tah Chi Bridge Taiwan	<i>Type:</i> Cable-stayed bridge, 172m main span <i>Client:</i> VCE, Taiwan Branch <i>Tests:</i> Section model and aeroelastic full bridge model study
1999	Öresund High Bridge Denmark-Sweden	<i>Type:</i> Cable-stayed bridge, 500m main span <i>Client:</i> Sundlink Contractors, Sweden <i>Tests:</i> In-situ measurements of cable frequencies to evaluate stay-cable tension
1999	Öresund High Bridge Denmark-Sweden	<i>Type:</i> Cable-stayed bridge, 500m main span <i>Client:</i> Öresundskonsortiet, Denmark <i>Tests:</i> Field measurements of pylon ambient vibrations during construction
1998	Puente de Juan Pablo Duarte Ozama River, Santo Domingo Dominican Republic	<i>Type:</i> Suspension Bridge and Cable-stayed bridge, 180m main span <i>Client:</i> Carlos Fernandez Casado S.L., Spain <i>Tests:</i> Section model tests, interference study
1998	Lions' Gate Bridge Canada	<i>Type:</i> Suspension Bridge, 450m main span <i>Client:</i> Buckland & Taylor Ltd., Vancouver <i>Tests:</i> Section model tests and buffeting analysis and equivalent static wind loads



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1998	Höga Kusten Bridge Sweden	<i>Type:</i> Suspension Bridge, 1210m main span <i>Client:</i> Vägverket Region Mitt <i>Tests:</i> Field measurements of structural damping
1998	Øresund High Bridge Denmark-Sweden	<i>Type:</i> Cable-stayed bridge, 500m main span <i>Client:</i> Sundlink Contractors <i>Tests:</i> Investigations of rain/wind vibrations of the stay cables
1998	Great Belt East Bridge Denmark	<i>Type:</i> Suspension Bridge, 1624m main span <i>Client:</i> Storebælt A/S, Denmark <i>Tests:</i> Vortex-shedding investigations and mitigations Section model tests
1997	Pont Ouest à Orléans (Pont de l'Europe), France	<i>Type:</i> Suspended Arch Bridge, 200m main span <i>Client:</i> SETEC TPI, Paris <i>Tests:</i> Section model tests and definition of wind climate
1997	KumDang Bridge Korea	<i>Type:</i> Cable-stayed bridge, 160m main span <i>Client:</i> DongBang EUC, Seoul for POSCO <i>Tests:</i> Section model and full aeroelastic model tests, in service and during construction
1997	Viaduc de Chavanon France	<i>Type:</i> Suspension Bridge, 360m main span <i>Client:</i> Monberg & Thorsen, Copenhagen. Tender Investigation <i>Tests:</i> Section model tests
1997	Industrial Ring Road Cable-Stayed Bridges Bangkok, Thailand	<i>Type:</i> Cable-stayed bridge, 398m main span <i>Client:</i> IRR consultant Joint Venture, Thailand <i>Tests:</i> Section model tests
1996	Great Belt East Bridge Denmark	<i>Type:</i> Suspension Bridge, 1624m main span <i>Client:</i> A/S Storebæltsforbindelsen <i>Tests:</i> Full aeroelastic model tests of bridge during main span-deck erection
1996	Kao Ping Hsi Bridge Taiwan	<i>Type:</i> Single Pylon Cable-stayed bridge, 330m main span <i>Client:</i> FFF Engineering Consultants, Thailand <i>Tests:</i> Full aeroelastic model tests of bridge during construction
1996	Øresund High Bridge Denmark-Sweden	<i>Type:</i> Two-Level Cable-Stayed Road and Rail bridge, 500m main span <i>Client:</i> Sundlink Contractors HB <i>Tests:</i> Aeroelastic section model tests and aeroelastic full model test of free-standing pylon
1996	Øresund Approach Bridges Denmark-Sweden	<i>Type:</i> Multi-Span Two-Level Road and Rail Bridges, 500m main span <i>Client:</i> Sundlink Contractors HB <i>Tests:</i> Aeroelastic section model tests
1996	Viaduc de Millau France	<i>Type:</i> Multi-Span Road Bridge <i>Client:</i> Setec, France <i>Tests:</i> Aeroelastic section model tests of bridge deck and section model tests of pylons
1995	Shin Dong Bridge Miaoli, Taiwan	<i>Type:</i> Cable-stayed bridge <i>Client:</i> Vienna Consulting Engineers <i>Tests:</i> Aeroelastic section model tests
1995	6. October Bridge Cairo, Egypt	<i>Type:</i> Cable-stayed bridge <i>Client:</i> DYWIDAG-Systems International GmbH, Germany <i>Tests:</i> Aeroelastic section model tests

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1995	Höga Kusten Bridge Sweden	<i>Type:</i> Suspension bridge, 1210m main span <i>Client:</i> Kjessler & Mannerstråle AB, Sweden <i>Tests:</i> Dynamic section model tests to study effect of tuned mass dampers on bridge deck aeroelastic response
1994	Höga Kusten Bridge Sweden	<i>Type:</i> Suspension Bridge, 1210m main span <i>Client:</i> Scandinavian Bridge Joint Venture, DK/S/N <i>Tests:</i> Structural dynamic analysis of bridge during construction, full aeroelastic model tests of selected construction stages
1994	Höga Kusten Bridge Sweden	<i>Type:</i> Suspension Bridge, 1210m main span <i>Client:</i> Scandinavian Bridge Joint Venture, DK/S/N <i>Tests:</i> Static and dynamic section model tests of construction stage configuration
1994	Gibraltar Straits Bridge Morocco	<i>Type:</i> Three Suspension Bridges, Each 3500m main span <i>Client:</i> COWI A/S <i>Tests:</i> Dynamic section model tests – feasibility study
1994	Tarokko Bridge Taiwan	<i>Type:</i> Mono-Cable Suspension Bridge, 450m main span <i>Client:</i> Vienna Consulting Engineers, Austria <i>Tests:</i> Static and dynamic section model tests; full-bridge aeroelastic model tests
1994	Hybrid Cable System, Research Project Switzerland	<i>Type:</i> Hybrid Suspension / Cable-stayed bridge with 1:100 Width-To-Span Ratio <i>Tests:</i> Full-bridge aeroelastic model tests with combined concrete and steel deck alternatives, influence of mass distribution
1993- 1994	Narrow Bridge Research Project Denmark	<i>Type:</i> Suspension, Cable-Stayed and Spatial Cable System bridges, 1:100 Width-To-Span Ratio <i>Tests:</i> Static and dynamic section model tests, full-bridge aeroelastic model tests of 3 cable systems, with and without edge fairings <i>Sponsor:</i> <i>or:</i> COWI Foundation, Denmark
1993	Raippaluoto Bridge Finland	<i>Type:</i> Cable-stayed bridge, 250m main span <i>Client:</i> Suunnittelukortet, Finland <i>Tests:</i> Static and dynamic section model tests, aerodynamic calculations
1993	Pont de Normandie France	<i>Type:</i> Cable-stayed bridge, 856m main span <i>Client:</i> Monberg & Thorsen A/S, Denmark <i>Tests:</i> Static section model tests of construction stage, construction-stage full-bridge aeroelastic model tests including tuned mass damper testing.
1993	Kao Ping Hsi Bridge Taiwan	<i>Type:</i> Single Pylon Cable-stayed bridge, 330m main span <i>Client:</i> Vienna Consulting Engineers, Austria <i>Tests:</i> Static and dynamic section model tests, in-service and construction stages; full-bridge aeroelastic model tests
1992- 1993	Messina Strait Bridge Italy	<i>Type:</i> Suspension Bridge, 3300m main span <i>Client:</i> Stretto di Messina SpA, Italy <i>Tests:</i> Aeroelastic free-standing tower; static and dynamic section model tests; full-bridge aeroelastic model tests
1992	Storebælt East Bridge Approach Bridge Denmark	<i>Type:</i> Pier-Supported Highway Bridge <i>Client:</i> A/S Storebæltsforbindelsen, Denmark <i>Tests:</i> Full-bridge aeroelastic model tests with testing of multiple frequency tuned mass dampers

Year	Structure	Client and type of project
1991-1994	Höga Kusten Bridge Sweden	<i>Type:</i> Suspension Bridge, 1210m main span <i>Client:</i> Kjessler & Mannerstråle AB, Sweden <i>Tests:</i> Terrain model for definition site wind climate, static and dynamic section model tests for deck selection; detailed deck design (effect of snow barrier and varying damping levels); free-standing pylon tests
1990	Storebælt West Bridge Denmark	<i>Type:</i> Pier-Supported Highway Bridge <i>Client:</i> A/S Storebæltsforbindelsen, Denmark <i>Tests:</i> Static section model tests
1989-1993	Storebælt East Bridge Denmark	<i>Type:</i> Suspension Bridge, 1624m main span <i>Client:</i> A/S Storebæltsforbindelsen, Denmark <i>Tests:</i> Static and dynamic section model tests for deck design; free-standing pylon tests (static and aeroelastic); full-bridge aeroelastic model tests; wind screen tests