

A UNIQUE PARTNER

– FOR YOUR WORLD-CLASS INFRASTRUCTURE PROJECTS

Partner
Sund & Bælt

We bring people together

OUR BUSINESS

PARTNER

Based on years of experience from building and managing projects, not least two of the world's outstanding infrastructure projects, **Partner** offers unrivalled, personal specialist advice on planning, funding, construction and operation of major engineering and construction projects worldwide.

We believe **Partner's** services are an ideal match for the requirements of governments and other public clients as well as for transport operators engaged in large-scale infrastructure projects. And we are confident that our results from the Great Belt fixed link in Denmark and the Øresund Link between Denmark and Sweden, testify to this.

One important aspect of **Partner's** expertise is our unique insight into the interaction between private and public interests in relation to construction projects. Another is our experience in handling the often complex relationships governing cross-border projects involving different countries and national or regional authorities.

Partner create solutions to the many implications of such projects with their inherent risk of conflict between different sets of legislations, regulations and cultures.

Through the parent company, the Sund & Bælt Holding Ltd., **Partner** draws upon the full range of special skills and competencies within the whole group and its suppliers.

We would be very pleased to discuss any requirement you may have.

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For more information,
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Peter Lundhus Managing Director, Sund & Bælt Partner Ltd., plu@sb-partner.com

M.Sc. Civil Engineering, Technical University of Denmark. Public Negotiation, Harvard.

1992-2000: Øresundsbro Konsortiet. Technical Director of the 16 km long toll-funded tunnel and bridge link across Øresund between Denmark and Sweden. **1988-1992: The Great Belt Link.** In 1990 appointed Project Director for the 8 km long bored twin railway tunnel, a key component of the 18 km long, toll-funded road and rail link. **1968-1988: Christiani & Nielsen.** Responsible for all aspects of design, bidding and construction of civil engineering works including tunnel, bridge and harbour construction in Europe, Asia and Africa.

OUR SKILLS

PARTNER

Sund & Bælt Partner has proven experience in setting up and managing private and public partnerships successfully. We also have a profound understanding of how to establish common objectives for all parties involved.

Cross border and cross culture

We have a thorough insight into the workings of cross-border projects and our solutions take account of diverse local and national legislations as well as cultural differences. We realise the importance of bridging differences between cultures and languages in order to generate an atmosphere of trust and confidence between everyone involved.

Public authorities

We are skilled at integrating the various requirements laid down by different authorities, e.g. in respect of environmental protection issues.

Funding

We have considerable experience in setting up and managing multi-million dollar project funding portfolios.

Design and construction

By combining advanced technical specifications, outstanding architectural design and constructability, our solutions offer a high level of creativity.

Safety and working environment

We have state of the art expertise in integrating safety into design, construction and operation.

Contract negotiations

We possess the skills to translate solutions into clear and manageable contracts ensuring completion to budget and time.

Planning and project management

We have the know-how to manage Quality Assurance schemes which cut through red tape and generate results. Our considerable experience in the field of environmental management and health and safety issues enables us to secure the approval from the surrounding world. This minimises the risk of delays, price increases or other impediments to the construction process.

Operation of bridges, tunnels and toll stations

We have the experience necessary to deliver a high level of customer satisfaction in tandem with financially viable operating results. Through the operation of two of the world's largest fully automatised toll-stations (in terms of economic volume) we are continuously updating our expertise within this specialist field.

Traffic forecasts

We have experience in estimating future traffic volumes through the application of precise forecasting models.

Communication

We deliver optimum credibility in the surrounding environment. We also understand how to integrate local views, emotions and even opposition, through proactive planning and clearly set-out communication strategies.

OUR MISSION

PARTNER

Managing your world-class infrastructure projects

We apply our experience in major infrastructure projects intelligently

We unite public and private interest creatively

We connect people and regions - across cultures and national borders



"Why?" the local residents asked the Minister of Transport in the Danish government. The objections and uncertainties raised by local communities were addressed by public hearings and an open communication strategy.



Bridging differences between cultures and languages in order to generate an atmosphere of trust and confidence between everyone involved is a key to success.



Consultants are on time and w



To meet the requirements for price, quality and time, a high level of on-shore pre-assembly was needed at the Øresund bridge. The giant crane "Svanen" transported and mounted all elements.



Four tunnel boring machines of the EPB type excavated the twin tunnels under



The 8 km bored tunnel under the Great Belt is Europe's second longest tunnel under sea.



The East Bridge of the Great Belt has the world's second longest free span of 1,624 m.

PLANNING

PROCESS

PRODUCT



Contractors work in unison towards the common goal: the completion of the project within budget. The client, however, must be firmly in charge.



Managing emotions through events can be a part of clearly set-out communication strategies. The princess of Sweden and the prince of Denmark meet at the Øresund bridge prior to the opening of the link.



the Great Belt.



Toll station of the Great Belt Link.



The 4 km long immersed tunnel under Øresund is the world's first immersed tunnel to be cast in a factory on-shore.



The 8 km long cable-stayed bridge across Øresund.

OUR EXPERIENCE

PARTNER

The Sund & Bælt Group is the driving force behind the construction and operation of two of the world's largest engineering projects: the construction of the fixed road and rail links across the Great Belt and Øresund between 1987 and 2000. Through its involvement in these projects, the Sund & Bælt Group has accumulated extensive knowledge and experience of all the complex disciplines relating to the construction, financing and operation of very large bridges and tunnels.

The Great Belt Link, Denmark

- Toll-funded suspension bridge and bored tunnel
- Annual turnover: approx. 300 million Euro
- Combined road and rail link
- Two bridges and twin tunnels covering a distance of 23 km including landworks
- Construction costs: approx. 4.000 million Euro (2000 prices)
- Opened 1997/1998



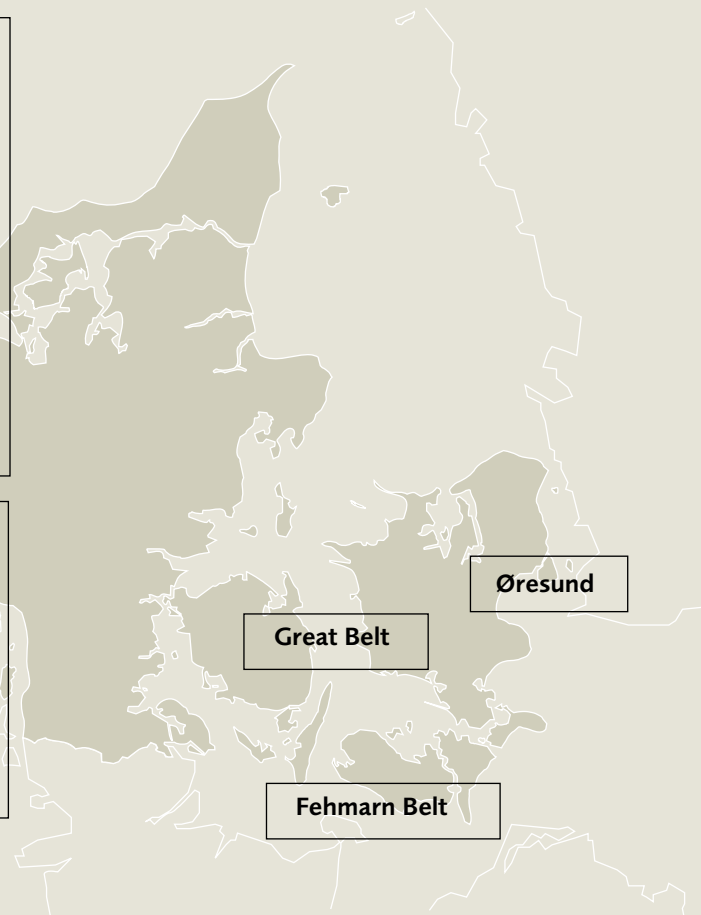
The Øresund Link, Denmark and Sweden

- Toll-funded cable-stayed bridge and immersed tunnel
- Annual turnover: approx. 130 million Euro
- Combined road and rail link
- Bridge and tunnel covering a distance of 16 km
- Extensive landworks with 9 km motorway and 18 km railway through heavily populated urban areas in Copenhagen and 20 km railway and motorway in Malmö, Sweden.
- Construction costs: approx. 3.700 million Euro (2000 prices)
- Opened 2000

The Fehmarn Belt Link, Denmark and Germany

Sund & Bælt Holding Ltd. is advising the Danish and German governments during the exploratory phase to determine the feasibility of constructing a 20 km long, user-funded fixed link between Southern Denmark and North Germany.

- Decision expected ultimo 2002



OUR BACKGROUND

PARTNER

Sund & Bælt Partner Ltd. is an independent company in the Sund & Bælt Group. The advisory services provided by Sund & Bælt Partner embrace the full range of the Group's business activities.

Sund & Bælt Holding Ltd. is the parent company of Great Belt Ltd., Øresund Ltd. and Sund & Bælt Partner Ltd.

Sund & Bælt Holding Ltd. operates the fixed link across Great Belt and the Danish landworks for the Øresund fixed link. Through Øresund Ltd, Sund & Bælt Holding holds a 50% stake in Øresundsbro Konsortiet which operates the fixed link across Øresund.

Through its professional activities, the Sund & Bælt Group maintains continuous contact with leading companies and organisations within construction and operation of infrastructure projects worldwide.

In line with its ongoing exchange of experience with its business partners, Sund & Bælt Group has been instrumental in setting up a benchmarking network with similar companies inside as well as outside Europe.



Partner draws upon the full range of special skills and competencies within the whole group and its suppliers.

WE APPLY OUR EXPERIENCE IN MAJOR INFRASTRUCTURE PROJECTS INTELLIGENTLY
WE UNITE PUBLIC AND PRIVATE INTERESTS CREATIVELY
WE CONNECT PEOPLE AND REGIONS - ACROSS CULTURES AND NATIONAL BORDERS

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