

Curriculum Vitae for Björn Södahl

Summary

I was born 1959 in Oslo, Norway by a Danish mother and Norwegian father. The family thereafter moved to Gothenburg, Sweden, and I grew up alternating periods in the three Scandinavian countries, while also spending a year as a high school exchange student in the United States.

After graduating as a Naval Architect from Chalmers University of Technology in 1985 I joined the Stena Rederi Technical Department to become involved in ship conversions and newbuilding projects. Having worked as a project manager at Stena Line, with several projects and conversions of ro-ro passenger ferries, I returned to Stena Rederi in 1991 to deal with the new stability and fire safety requirements and resulting upgrading of Stena's entire fleet of ro-ro passenger vessels. During the same period I became part of the team behind Stena's pioneering high speed catamaran project, the Stena HSS. As the project materialized I was made responsible for development and statutory approval of safety systems and survival capability. This involved adopting novel technical solutions and test procedures, as well as participating in the regulatory development process leading to the IMO Code of Safety for High Speed Craft.

In July 1996 I was recruited to the position as Quality and Safety Manager at Concordia Maritime and was thereby allowed to address the complete range of factors behind quality, safety and environmental performance in tanker shipping, including the important human element. This involved the operation and decommissioning of Concordia's older single hull VLCC's as well as development, commissioning and operation of the modern V-MAX tankers, including external communication with e.g. customers, shipyards and authorities.

In July 2004 Concordia was restructured as a holding company and the operative functions were transferred to Stena's wholly owned subsidiary Stena Bulk, where I was employed as Manager Quality, Environment and Risk Control until December 2004, when I decided to pursue new challenges.

My years within Stena have involved a wide range of stimulating challenges and responsibilities as listed in the summary below. Meanwhile the shipping industry as such has gone through its own gradual evolution. Notably, growing media attention and public reactions have led to rising requirements for transparency and accountability. To meet these changing demands it has become vital to develop a proactive and integrated approach to business management - including quality, safety and environmental aspects as essential ingredients of a sustainable competitive strategy for the future.

After having established an independent consultancy in 2005, I entered a cooperation agreement with CANEA Consulting Group in February 2006 with a view to assist customers, mainly within the marine and energy sectors, to develop and implement sustainable business strategies using modern management methods.

From November 2007 I assumed the position as Research Coordinator at the Department of Shipping and Marine Technology of Chalmers University of Technology: Among my tasks were to assist the development of a project process and research agenda within the Lighthouse Maritime Competence Centre.

The role included developing partnerships and cooperation projects externally and within Chalmers, e.g. supporting the formation of the Ocean Energy Centre at Chalmers, and serving as its first director.

In July 2012 I was appointed Co-director, Projects & Innovation, Lighthouse Maritime Competence Centre, responsible for activating an arena for projects and innovation within the competence centre. The tenure was terminated due to change of leadership in Lighthouse in February 2013 and I reassumed the role as Research Coordinator at Chalmers Shipping and Marine Technology.

As of July 1 2014 I left Chalmers to activate my own consultancy, Södahl & Partners AB, as a platform to provide advice and services within maritime innovation and development

I live with my wife, Philippa, and together we have four children from earlier relationships. I have a rather active private life and enjoy a wide range of interests, including: Long distance running, sailing, diving, skiing/snowboarding, horse-back riding and quartet singing.

Career summary

- 1985 Graduated as M.Sc. Naval Architect from Chalmers University of Technology
- 1985-1987 Stena Rederi Technical Department Trainee program.
- 1988-1991 Stena Line Technical Department – Project manager newbuildings, conversions and technical projects including:
Refurbishment of Stena ferries – Danica, Jutlandica, Saga, Nordica, Germanica, Scandinavica
Conversion of cruise vessel “Empress”
Energy saving projects on different ferry routes
Electrical shore connection for Kiel traffic
- 1991-1996 Stena Rederi Technical Department – Project manager
Responsible for safety upgrading of Stena’s passenger ferry fleet regarding damage stability and fire safety
Responsible for safety systems and statutory approvals for Stena HSS (High Speed Sea Service) catamarans – HSS 1500 and HSS 900
Industry representative in Swedish delegations to the IMO regarding Stability, Fire Protection, High Speed Craft Code
- 1996-2004 Concordia Maritime - Quality and Safety Manager
- 2004 July-Dec Stena Bulk AB – Manager Quality, Environment and Risk Control

The position with Concordia Maritime and Stena Bulk included the following responsibilities and activities:

- Definition, communication and follow up of the Shipowner’s requirements for the Ship Management Organisations with regard to quality, safety and environmental aspects
- Risk assessments the Delaware River VLCC operations in cooperation with representatives from the customer, lightering company, tug operators, pilots, etc
- Risk reduction measures including installation of electronic charts and manoeuvre simulation programs on the Concordia class VLCCs
- Introduction of modern safety management principles for the ship management organisation
- Participation in the development of the V-MAX tanker concept, including market study and initiative for port database with limiting parameters
- Assessing specifications and conducting structural assessments for operation of Concordia class VLCCs as FPSOs in the offshore market
- Development of Integrated Navigation Bridge System concept for the V-MAX based on HSS ferries
- Introduction of modern Navigation Bridge Resource Management training for V-MAX crews and pilots
- Initiating the Stena Navigation Bridge Concept Seminar to develop common navigation principles and basic bridge concept for the Stena Sphere
- Risk analysis of Bosphorus passage including V-MAX vs Suezmax simulation
- Development and implementation of StraTa – a business management system certified according to ISO 9000-2000 intended to support the organisation, e g in:
 - Establishing clear links between overall company strategy, goals and concrete activities
 - Selecting and carrying out the most promising business projects in the most effective way
 - Define, communicate and follow up the shipowner’s expectations towards the ship management organisation
- Development and exercise of emergency response organisation and procedures, including media relations management
- Representing the company in various fora, such as: Swedish Shipowner’s Association, Intertanko, International Chamber of Shipping (ICS), Swedish Marine Environment Commission, Ship Emissions Abatement and Trading (SEAA/T), including
- Participation in the delegations of Sweden and Intertanko to the IMO following the Erika and Prestige accidents, supporting Hydrostatic Balanced Loading (HBL) and developing the Condition Assessment Scheme (CAS) for single hull tankers

- Initiation of VOCON – joint research project between Concordia and Intertanko to document and reduce VOC to air emissions from laden tankers in transit
- Organising an information campaign regarding HBL (Hydrostatic Balanced Loading) for tankers to decision makers and media, including production of information video
- Writing articles and making presentations related to quality, safety and environmental aspects of tanker operations, including: Structural Margins, Risk Assessments, the Stena MAX concept, Environmental impact, etc
- Producing Quality, Safety and Environment related sections in the company annual report
- Initiating the Stena QSE forum for cross communication and sharing of best practices between the Stena Sphere companies
- Representing Stena in the World Economic Forum Corporate Citizenship Initiative to define principles and develop guidelines for sustainable practices within the Logistics and Transport industry sector
- ISO 9000 quality auditing of various Stena Sphere companies and divisions

2005-2006 Vinnova-ETC – Project manager: Commercial Study – Fuel Cells for Power Generation on Ships in Port

2006-2007 Independent Consultant associated with CANEA Consulting Group – assessments and development of business strategy and management systems, with particular focus on marine and energy sectors

2007-2014 Research Coordinator, Chalmers University of Technology, Department of Shipping and Marine Technology (SMT).
Supporting activation of the Lighthouse Maritime Competence Centre, including the arrangement of thematic seminars and workshops.
Acting coordinator for the master program MP-NAV Naval architecture and ocean engineering during restructuring of Chalmers master programs in 2010.
Supporting establishment and acting first director of the Ocean Energy Centre.
Assisting formation of research and cooperation projects with participation from SMT, incl:

- Energy Management Implementation – PhD for the Swedish Energy Agency (SEA)
- Energy Efficiency Network – study for the SEA
- Eco-driving – study for the SEA
- Air Cavity Ship – research project for the SEA in cooperation with Stena and SSPA
- EfficienSea – BSR-Interreg: cooperation project for safer navigation in the Baltic Sea
- MARKIS – KASK-Interreg: Maritime Competence and Innovation Cooperation in the Kattegat-Skagerrak Region
- Ulysses – EU FP7: Ultra slow ships and complementing technologies
- Know-ME – EU FP7: The European academic and industry network for innovative maritime training, education and R&D
- GOTRIS – Vinnova: Göta River Information Service – communication tool for coordinating and optimizing river traffic and bridge openings.
- REM-Cap - EU FP7: Resource Efficient Maritime Capacity - project on innovation in maritime clusters.

2012-07 – 2013-02 Co-director, Projects & Innovation, Lighthouse Maritime Competence Centre
Responsible for activating an arena for projects and innovation within the competence centre, e g including:

- Project manager for “Svallvåg”, a national agenda for Swedish Maritime Research and Innovation financed by the Vinnova SFIA Program and produced in cooperation with SP, KTH and Linnaeus University of Kalmar
- Producing and adopting a strategy for the Lighthouse arena Projects and innovation

2013 - Owner, Södahl & Partners AB, advice and services within maritime innovation and development.

Appointments and commitments - examples

- Swedish Shipowners' Association Marine Safety Committee – member 1989 - 1996
- Swedish Shipowners' Association Environmental Committee – member 1998-2004
- SNAME – Member of Ad Hoc Panel on Safety Assessment of Double Hull Tanker Design and Operations - 1999
- Intertanko Safety Technical and Environmental Committee - member 2000-2004
- Intertanko Environmental Committee – member 1999-2004, Chairman 2004
- International Chamber of Shipping, Oil Tanker Sub-Committee – Chairman 2004
- EMSA – High Level Panel of Experts on the Safety of Double Hull Tankers - 2004
- SSA HUS-Project for emission reduction trading – member of Steering Group 2002-2004
- SEAA T Ship Emission Abatement and Trading – member of Steering Committee 2002-2003
- “Havsmiljökommissionen” Swedish Commission for the Marine Environment 2003 – advisor
- World Economic Forum, Logistics and Transportation Sector Corporate Citizenship Initiative – Stena representative 2003-2004
- America Bureau of Shipping – member since 2002
- Asian Development Bank – Shipping, Safety and Environment Specialist conducting an Initial Environmental Examination of Shipping Corporation of India 2007
- Swedish Accident Investigation Board - Investigator 2007-2009

Lectures and presentations - examples

- SSPA – SIDA Marine Safety Management Course 1999-2004
- Mare Forum - Quality Competition: A Way Towards Safer Shipping? Sep 2000
- Tanker Operator Conference – Tanker structural issues Feb 2003
- IMarEST - Practical steps towards sustainable shipping Jan 2005
- Norshipping - Achieving best practise in tanker operations June 2005
- Chalmers University - Drivers for environmental performance in shipping 2009-2014

Completed courses

1987	Practical Project Management Methods	- NTH
1996	Modern Safety Management	- DNV
1997	Total Quality Management Implementation	- Champs
	Public presentation	- TMI
	Employeeeship	- TMI
1998	ISO 9000 requirements and interpretations	- DNV
	ISO 9000 quality system auditing	- DNV
	Modern Safety Management	- DNV/ILCI
1999	The new ISO 9000-2000 standard	- CANEA
	ISO 14000/EMAS Environmental Management Systems in Practice	– CANEA
2001	Advanced Television Training Course	– MTI/Tom Mangold
2003	Advanced Television Training Course	– MTI/Tom Mangold
2005	Fundamental Project Management	- CANEA
2005	Systematic Market Development	- CANEA
2005	Business Strategy in Practice	- CANEA
2006	Leading People in Projects	- CANEA
2006	IRCA Lead Auditor Training Course	- CANEA
2007	PMI Project Management Professional Course	- CANEA
2013	Rätt fokus i styrelsearbetet (SME) – Certifiering	- Styrelseakademin

Private engagements

Support organization “Friends of Thembaletu Childrens’ Home” – Chairman 2005 – 2013
(Natal Province, South Africa - website: <http://friendsofthembaletu.org/tv/>)

GKSS - The Royal Gothenburg Yacht Club

ABK - Amundöns Båtklubb

BiKSS – Billdals Kappseglingssällskap

The Royal Bachelors Club – member since 1996

Göta par Bricole – member since 2004

Language Proficiency

Swedish, Norwegian, Danish, English – fluent

German, French – basic knowledge

Contact details

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Appendix 1

Översikt över Björn Södahls verksamhet under anställning på Chalmers 2007-10-01 till 2014-06-30.

Område	Aktivitet	Tidsram
Institutionen för sjöfart och marin teknik, Chalmers tekniska högskola		
	Utveckling av samarbete och projektportfölj med Energimyndigheten	2008-2014
	Arrangerat sjöfartssession vid Energitinget	2009, 2010
	Koordinator för MP-NAV - ansvar för förnyad programansökan	2010
	Utveckling av Styrkeområde Transport (SOT) profilområde Sustainable Vehicles and Technologies SVT	2009-2010
	Medlem i SVT-rådet inom Styrkeområde Transport (SOT)	2011-2014
	Medverkan i mirror group för EU-plattformen Waterborne	2008-2012
	Deltagit i Waterborne FP7 brokerage events för projektsamarbeten	2007-2011
	Deltagit i arbetsgrupp för framtagning av the Waterborne Declaration inför Horizon 2020	2010-2011
	Sjöfartsforum - medverkat i projektgruppen för strategiprocessen del 1 + ansvar för fokusområde hållbar värdetillväxt	2008-2009
	Sjöfartsforum - medverkat i strategiprocessen del 2 med ansvar för fokusgruppen - kunskap och innovation	2010-2012
	Föreståndare för Ocean Energy Centre	2011-2012
	Initierat MP-NAV ship design Project ÄLVIS - lättvikts personfärja	2008
	Initierat MP-NAV ship design Project Ronja & Shrek - inland waterways	2012
	Initierat o handlett kandidatprojekt - sol, vind, våg	2009
	Initierat o handlett kandidatprojekt - Lastbil, tåg eller fartyg?	2011
	Initierat kandidatprojekt på GU logistik - Godstransporter på Göteborgs vatten	2012
	Initierat kandidatprojekt - Kartläggning av urbana vattenvägar	2014
	Initierat o handlett kandidatprojekt - Is there a future for large lightweight catamarans?	2014
	Undervisning för SI, SK, SOL - "Styrmedel för sjöfartens miljöpåverkan"	2009-2014
Projekt - initiering/ansökan/medverkan		
	Energimyndigheten - förstudie energieffektivisering	2009
	EM - förstudie energiledningssystem	2009
	EM - förstudie ecodriving	2009-2010
	EM - doktorandprojekt energiledningsystem	2010-2013
	EM - doktorandprojekt systemmodellering	2010-2013
	EM - förstudie till nätverk för energieffektivisering inom sjöfarten	2011-2012
	EM - post-doc projekt Air Cavity Ships m SSPA och Stena	2011-2013
	EM - doktorandprojekt vajrar o kablar för Ocean Energy	2012-2015
	EM - Prop-IT wind power for ships	2013-2014
	Effship - Vinnova	2009-2012
	GOTRIS - Vinnova	2012-2014
	Streamline - EUFP7	2008-2011
	Ulysses - EUFP7	2011-2014
	Know-ME - EUFP7	2011-2014
	REMcip - EUFP7	2013-2015
	Power Cluster - Interreg + EM	2009-2012

EfficienSea - Interreg + VGR	2009-2012
MARKIS - Interreg + VGR	2010-2013
Ocean Energy Centre - VGR	2011-2013
Älvpandel som plattform för utprovning och validering av teknologi - Göteborg Energi	2011

Lighthouse

Start av temaverksamheten - bidragit till att etablera forskningsagenda inom 4 temaområden	2008 -2009
Medverkat till att arrangera och genomföra 12 av 14 temadagar	2008-2011
Biträdande föreståndare med ansvar för arenan Projects & Innovation	2012-2013
Framtagning av strategi för för arenan Projects & Innovation	2012
Framtagning av Svallvåg 2013 - Svensk maritim forsknings- och innovationsagenda	2012-2013

Externa Uppdrag

Statens haverikommission - utredare vid olyckor till sjöss	2007-2010
Norsk Forskningsråd - expert assessment of Large Scale Research Infrastructure Proposals	2009-2010
TINV Transportens Innovationsnetwork, Danmark - Advisory Group	2010-
Energimyndigheten – utvärdering av Centrum för Förbnybar Energiomvandling CFE II, Uppsala Universitet	2011-2012
Vinnova – medlem av nationell referensgrupp för Transportutmaningen i EU:s forskningsprogram Horisont 2020	2014 - 2015
VGR – 5 clusters – Chalmers representant i det maritima klustersamarbetet, med speciellt fokus på Marina Operationer och Marin Energi	2014