

Eur Ing Dr. Er. Arun Kr Dev

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#05-307

Singapore 120359

Republic of Singapore

Profile

Excellent knowledge of and well-rounded experience in Naval Architecture, Mechanical, Marine & Ocean Engineering, Ship, Marine & Offshore Technology and Shipyard Project Management. Especially suited to ship & offshore design & calculation, project engineering & management and lecturing & research (numerical & experimental) in Applied Science & Engineering. With computer knowledge and ISO9001 quality system.

Key Abilities

Naval Architecture & Marine Engineering and Marine & Ocean/Offshore Engineering

- Do basic and detailed ship design for inland, coastal and sea-going vessels
- Perform a variety of ship & offshore design calculations including structural design

Project Engineering and Management

- Organized and directed activities of projects completed in time and within budget (1/4 to \$ 300 million range)
- Prepare and scrutinize technical specifications, tenders and contracts
- Negotiate with suppliers and contractors including client liaison
- Support projects including estimating, cost/accounting, planning/scheduling, manpower control and administration
- Monitor projects progress/performance and prepared reports
- Prove leadership with effective communication and coordination skills

Research

- Do research in the field of ship and offshore hydrodynamics including model tests
- Conduct model tests in towing tanks and ocean basins
- Manage research projects like funding, manpower, scheduling and reporting of R&D
- Do research in ship, offshore & marine design, shipyard development and productivity

Teaching

- Lecture on Naval Architecture, Marine & Ocean/Offshore Engineering subjects
- Develop course and curriculum materials
- Supervise undergraduate and postgraduate thesis
- Participate in teaching workshops and seminars

Computer Skills

- Familiar with extensive use of different kinds of computer software
- Computer programming capability

Education

Degree of Doctor in Marine Technology, Faculty of Mechanical, Maritime and Materials Engineering 1996
DELFT UNIVERSITY OF TECHNOLOGY, DELFT, THE NETHERLANDS

Degree of Master of Science in Marine (offshore) Technology, Faculty of Engineering 1985
UNIVERSITY OF STRATHCLYDE, GLASGOW, UNITED KINGDOM

Bachelor of Science in Naval Architecture and Marine Engineering, Faculty of Mechanical Engg 1977
BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY, DHAKA, BANGLADESH

Professional Experiences

Senior Lecturer 2012-Till date
SCHOOL OF MARINE SCIENCE AND TECHNOLOGY, NEWCASTLE UNIVERSITY (SINGAPORE)

Responsible for teaching Offshore Engineering and naval architectural modules, supervision of UG students, research and consultancy works. Also responsible for postgraduate (MSc, MPhil and PhD) students supervision.

Senior Lecturer and Director 2008-2012
SCHOOL OF MARINE SCIENCE AND TECHNOLOGY, NEWCASTLE UNIVERSITY (SINGAPORE)

Responsible for operation of the marine courses BEng with Honours Programme in Marine Engineering, Naval Architecture and Offshore Engineering including lecturing offshore engineering and naval architectural modules, research and consultancy works. Also responsible for postgraduate students supervision.

Deputy General Manager (Technical) 2003-2008
KEPPEL SINGMARINE PTE LTD, SINGAPORE

Responsible for technical matters related to new building enquiries in terms of design & drawing, reviewing technical specification, reviewing technical scope of main suppliers, scrutiny of applicable of rules and regulations both statutory and flag administration

General Manager 2003-2008
MARINE TECHNOLOGY DEVELOPMENT PTE LTD

Responsible for technical matters related to new design & drawings, preparation of technical specification, maintaining R&D activities, innovative design & drawings and development of ship's critical component/product.

Lecturer 2000-2002
SINGAPORE MARITIME ACADEMY
SINGAPORE POLYTECHNIC, SINGAPORE

Teaching, Students' project supervision, R&D works, Marine Consultancy, etc.

Professional Experiences continued

Projects Manager

1997-2000

KEPPEL SINGMARINE DOCKYARD PTE LTD, SINGAPORE

Responsible for the project management (engineering and quality assurance) of 6 (six) nos. Anchor Handling Tug/Supply Vessels (AHTS) of Maersk Company (AP Moller) of Denmark. The vessels were Lloyd's Class. Head of QA Department and Company Management Representative (MR) for maintaining ISO 9001.

Independent Marine Consultant

1996 - 1997

VANCOUVER, BC, CANADA

- Worked with UBC (University of British Columbia) towards the development of a national project titled "Stability of Ro-Ro Passenger & Car Ferries".

Research Scientist

1991 - 1996

*SHIP HYDROMECHANICS LABORATORY,
DELFT UNIVERSITY OF TECHNOLOGY, DELFT, THE NETHERLANDS*

- Conducted an independent research for the prediction of viscous effects in the drift forces on offshore floating structures like semi-submersibles and tension leg platforms [numerical predictions have been validated against model test results.]

Independent Marine Consultant

1987 - 1991

DHAKA, BANGLADESH

- Handled a large repair project of 65 pontoons for Bangladesh Inland Water Transport Authority as a consultant to NORAD (Norwegian Agency for Development)
- Designed, prepared technical specifications and cost analyses, and supervised the construction of the following projects:
 1. 1000 Dwt coastal cargo vessel (NK class)
 2. 600 Dwt shallow draft oil; tanker (NK class)
 3. 59M coastal passenger cum cargo vessel (NK class)
 4. 42M coastal passenger cum cargo vessel (NK class) and 15M survey vessel

Structural Engineer

1986 - 1987

*PROTEK CONSULTANT ENGINEERS SDN BHD,
KUALA LUMPUR, MALAYSIA*

- Designed an offshore Tripod Jacket for Seligi-A field in Malaysia
- Designed and offshore 6-Legged Jacket for Sabah Shell Berhad in Malaysia

Professional Experiences Continued

Lecturer (Marine Technology)

1985 - 1986

*FACULTY OF MECHANICAL ENGINEERING,
UNIVERSITI TEKNOLOGI MALAYSIA, KUALA LUMPUR, MALAYSIA*

- ☑ Lectured the following subjects: Dynamics of Marine Vehicles, Resistance & Propulsion of Ships and Ship Design & Ship Drawing. Supervised two undergraduate theses.

Projects Engineer

1981 - 1983

SINGMARINE SHIPYARD LIMITED, SINGAPORE

- ☑ Responsible for the design, drawing, construction and delivery of two (2) 39M anchor handling tugs (LR class with fire fighting class I)
- ☑ Responsible for the conversion, design and drawing of a dry cargo vessel into a cement tank carrier (BV class)
- ☑ Responsible for the design and drawing in the jumboising of a landing craft (LR class)

Engineer

1981

JURONG SHIPYARD LIMITED, SINGAPORE

- ☑ Developed manpower planning, work scheduling and new staging drawings and materials
- ☑ Supervised 120 personnel such as workers, chargehands and foremen
- ☑ Conducted safety instruction courses for 400 Bangladeshi workers

Naval Architect

1978 - 1981

*DESIGN AND INSPECTION OFFICE,
MECHANICAL AND MARINE ENGINEERING DEPARTMENT,
INLAND WATER TRANSPORT AUTHORITY, DHAKA, BANGLADESH*

- ☑ Responsible for checking designs and drawings of different types of inland ships including approval of them
- ☑ Supervised the construction of different types of inland ships including certification
- ☑ Developed guideline rules for the construction of inland steel ships in close association with a Dutch advisory team
- ☑ Responsible for the administration of Design and Inspection Office including supervision of two (2) drawings officers, six (6) draftsmen and two (2) estimators

Naval Architect

1977 - 1978

A LOCAL SHIPYARD NAMED SHIFA ENGINEERS AND SHIPBUILDERS LTD, DHAKA, BANGLADESH.

- ☑ In charge of design and drawings of inland waterways vessels (Tugs, Passenger Launches, Barges, Self-Propelled Barges, etc.

Professional Affiliations

Registered Chartered Engineer (**CEng**), EC, UK

Registered European Engineer (**Eur Ing**), FEANI, Brussels, Belgium

Registered Chartered Marine Technologist (**CMarTech**), IMarEST, UK

Registered Chartered Marine Engineer (**CMarEng**), IMarEST, UK

Member of The Society of Naval Architects and Marine Engineers (**MSNAME**), USA

Fellow of the Royal Institution of Naval Architects (**FRINA**), UK

Fellow of the Institute of Marine Engineering, Science and Technology (**FIMarEST**), UK

Fellow of Society of Naval Architects & Marine Engineers (Singapore), (**FSNAMEs**)

Member of Engineering Committee on Oceanic Resources (**MECOR**), Canada

Member of the Institute of Engineering Singapore (**MIES**), Singapore

Fellow of the Institute of Engineering Bangladesh (**FIEB**), Bangladesh

Elected Council Member of the Council of RINA for the three-years term 2011-2014

Elected Council Member of The Joint Branch of RINA and the IMarEST (Singapore) since 2000 - 2009.

Elected Chairman of The Singapore Joint Branch and also Chairman of the Technical Sub-Committee for the two terms 2008-2009 and 2009-2010.

Elected Vice Chairman of The Singapore Joint Branch for the two terms 2006-2007 and 2007-2008.

Elected Council Member of The Singapore Joint Branch for the two terms 2004-2005 and 2005-2006.

Elected Hon. Secretary of The Singapore Joint Branch for the two terms 2002-2003 and 2003-2004. Also Founding Honorary Secretary of The Joint Branch of the RINA and the IMarEST (Singapore) and Chairman of the Technical sub-Committee for the same two terms.

Elected Council Member of The Institute of Marine Engineers (Singapore Branch) for the term 2001-2002 and also Chairman of the Technical Sub-Committee.

Representative of RINA at NCEO (National Committee on Engineering Organizations) at IES (Institute of Engineers), Singapore since 2009.

Conferences/ Seminars/ Workshops

Attended many national and international conferences, seminars and workshops involving publications and presentation of technical papers at some of them.

Chairman of the Organizing Committee of The International Conference on Technology and Operation of Offshore Support Vessels: **OSV Singapore 2005** held at National University of Singapore in September 2005.

Chairman of the Organizing Committee of The International Conference on Technology and Operation of Offshore Support Vessels: **OSV Singapore 2007** held at National University of Singapore in September 2007.

Chairman of the Organizing Committee of The International Conference on Technology and Operation of Offshore Support Vessels: **OSV Singapore 2009** held at National University of Singapore in August 2009.

Member of the Organizing Committee of The International Conference on Technology and Operation of Offshore Support Vessels: **OSV Singapore 2011** to be held at National University of Singapore in 16 & 17 August 2011.

Member of the Organizing Committee and Chairman of the Technical Committee of The International Conference on Technology and Operation of Offshore Support Vessels: **OSV Singapore 2013** to be held at National University of Singapore in 24 & 25 September 2013.

Chairman of the Technical Committee of The International Conference on Dynamic Positioning: **DP ASIA 2011** held at Singapore in in June 2011.

Chairman of the Technical Committee of The International Conference on Dynamic Positioning: **DP ASIA 2012** held at Singapore in June 2012.

Chairman of the Technical Committee of The International Conference on Dynamic Positioning: **DP ASIA 2013** to be held at Singapore in June 2013.

Publications

Published more than Fifty (50) publications in the form of Technical Papers at international Conferences/Seminars and Technical Reports in connection with engineering projects and engineering research.

Websites

Profile: www.ncl.ac.uk/marine/staff/profile/a.k.dev

Profile: <http://sg.linkedin.com/pub/arun-kr-dev/1/6/aa3>