

CURRICULUM VITAE

Name :	Lundin Lars Per-Gunnar
Born :	05 April 1949
Nationality :	Swedish
Higher Education :	Swedish Maritime High school 1973
Master Mariner Cert. No 99-3663, unlimited.	
Languages :	Swedish, English, Norwegian
Present Position :	Director and Marine Operation Manager of Sea Operations AB, Gothenburg Sweden.
Profession:	Master Mariner and experienced Master of tugs, floating cranes and marine equipment for handling, transportation and installation of heavy and voluminous constructions elements including anchor handling and subsea operations.
Key Qualifications:	Specialist in: Barge handling and positioning, Planning and execution of towage operations, Heavy lift operations, Anchor handling, Planning preparation and documentation of marine operations, Salvage operations, Manuals/Procedures, Offshore Operations, Subsea installations, Mooring systems
Courses:	1999 Esso in-house Safety Course, Borre Havarivernskole: Every 4 yers (LOF safety course) 2 days offshore safety refreshment According to OLF-plan+ Forebyggende sikkerhe/vernearbeid (T5/Q5) Norske Lov og Regler, Refrech-courses 2002 and 2005 1997 ROC Radio safety course 1996 Elected to member of the International Salvage Union (ISU) Executive committee Lloyd`s of London Press: November 1995 13:th Maritime Law seminar Lloyd`s of Press: juni 1994 1:st International Salvage, the Marine Environment And Salvage awards Seminar
	Chalmers University of Technology Refresher OQC, incl. Cox and fire cert, No: OQC, R594, Dated 91-05-04 Danish Offshore School – 1991 Elementary Safety. Sea Rescue / basic Fire fighting dated 12-02.91 Boströms – rescue Training – 1990 Life-rescue course incl. protection and smoke diving in hazardous and poisonous gases smoke And load. H2S gas protection course in Dubai 2006 2005 Refresh LOF safety 2 day course at Borre Hav.vern skule 2009 Refresh PSK (LOF) safety 2 day course at Borre(NMU)

SUMMARY OF PROFESSIONAL EXPERIENCE

- 2003 – present** **Director / OP manager for Sea Operations AB, Sweden & Part of SEMAR operation team.**
- 1998 - 2003** **Operation Manager of Master Marine, Oslo Norway**
- 1994 - 1998** **Salvage Manager and offshore responsible for Röda Bolaget AB**
- 1989 - 1994** **Dep. Salvage Manager, Salvage Master for Röda Bolaget AB**
- 1986 - 1989** **Manager Marine Operations for Neptun Engineering AB**
- 1985 - 1986** **Manager Marine Operations for Neptun Salvage, Stockholm**
- 1980 - 1984** **Master / Lifting Master of the 1600 tonnes sheerleg Hebelift 3 for Neptun**
- 1978 - 1980** **Master of tugs from 50 - 180 tonnes bollard pull.**
- 1977** **Teacher of Seaman´s school in Härnösand.**
- 1965 - 1977** **OS, AB up to Chief Officer at sea for Broström Shipping including the Maritime High-school in Härnösand.**

DETAILED PROFESSIONAL EXPERIENCE

Periode:	Project:	Position
2013	Site Manager load out & install the 14 x 180 te suction anchors for Goliat + 450 x 165 mm chain	Operation Man.
2011	Installation of Goliat FPSO - ongoing Client: ENI	Operation Man.
2011	Vessel Rep. Oleg Strashnov installing 71 foundations at Sheringham Shoals Wind Farm. Client: Statoil	Vessel & Company Rep.
2011	Recovering & reinstallation of Access Bridge after incident.lient Master Marine	Lifting expert
2010	Design, procedures & installation of Access Bridge at the stern of jack-up vessel "Haven" using Crane Uglen at Nymo yard	Lifting Expert
2010	Design, procedures & installation of mooring system for jack-up vessel "Haven" at NTMO yard Eydehavn. Client: NYMO	Mooring expert
2008/ 2010	Gjøa SEMI EPCH Modul load ins, hull transport, LQ transport and load in + installation, riser module load out+transport . Planning and execution of Top sides mating (23000 ton) .Inclination test, Tow out and installation of the platform into 16 lines chain/wire system. Installation of the 16 suction anchors & wire / chains system Client: Statoil	Marine OP superintendent &Client rep during all Operations
2007/ 2008	"ANGEL" project Australia. Transport & Float over of 8000 ton topside using HLV Black Marlin Client: J.V Aker -Clough	Marine Operations Manager / Tow Master
2005/ 2007	South Pars project in Iran. Planning and engineering incl. installation of three jacket topsides 3000 tonnes, flares, tripods, bridges and SPM buoy. HSE marine advisor during planning &	Installation Supervisor

	<p>operations. Offshore rep during installations. Company Rep onboard Installation crane. Client: Statoil</p>	
2003/ 2005	<p>Project: Snöhvit LNG-plant development. Port Captain at Melköya (Hammerfest) and marine transport logistics and load in. Part of the tender evaluation team (Installation contracts) Transport / in docking of 25000 ton Process Barge Positions in Munich: June 03 – Dec 03 (Engineering) Antwerp: Dec 03 - July 05 (Planning and load out) Melkoya: Every 3:rd week June 03 – July 05 (Port Captain) Client: Statoil</p>	<p>Marine Co-ordinator, dep. Port captain</p>
2003	<p>Statoil / Saipem / ABB on Kvitebjörn topside at Haugesund. Included rigging for 11000 tonnes lift (Saipem 7000), marine logistics and transports of modules (The deck, mud-module, flare tower, drilling module and extended accommodation. Client: Statoil</p>	<p>Marine Co-ordinator</p>
2002	<p>Performing suction anchor test with constant suction in sand on the Swedish SW-coast using a jack-up rig form Boscalis, Danish GeoCeptor for CPT (=Cone Penetration Test) and Vibrocore Test of the sand. The suction anchor test was designed by Norwegian Geological Institute (=NGI) for Master-Marine as in Oslo as part test of there new concept of decommission vessel, the result was a success. Client: Master-Marine AS Oslo in connection with NGI.</p>	<p>Project / Operation / Site-Manager</p>
2002	<p>Shell/Transocean rep. onboard AHTS "Stirling Jura" with 15000 Bhp during rig shift of "Transocean Winner" Client: Shell Oil</p>	<p>Deck supervisor</p>

2002	During engineering, loading and installation of 2:nd Train Process Plant onto FPSO "Knock Taggart" off the Nigerian coast. Using the SAL Heavy Lift Vessel "Grietje" loading at Risør, Norway. Client: Fred Olsen production.	Lifting Supervisor, client rep
2002	During change out the two 280000 T.d.w FPSO's "Sendje Berge" and Sendje Ceiba off the coast of Equatorial Gunie, using AHTS "Normand Progress" as connecting tug and "Maersk Promotor", "Tumcha", "Kigoria" as holding / towing tugs.	Ass Operation Manager / Towing Master
2002	Hydro and Transocean rep. onboard AHTS "Normand Borg" and "Normand Ivan" during rig move of "Transocean Prospect" using fibre ropes in four legs and normal anchor chains in the other four. Client: Hydro.	Deck Supervisor
2001	Hydro and Transocean rep. onboard "Maersk Attender" of 300 tonnes B.P. during rig move of Transocean Arctic at Oseberg field using Fibre Ropes in four of the rig legs. Client: Hydro	Deck Supervisor
2001	Transocean rep. onboard AHTS "Havila Crown" (180 tonnes B.P.) during rig move of the drill platform "Transocean Arctic" using two Fiber Pops in the anchor legs. Client: Hydro	Deck Supervisor
2001	Company rep onboard AHTS "Maersk Attender" (300 tonnes B.P.) during rig move of drilling platform "Transocean Prospect" using Fibre Rope in the anchor legs. Client. Statoil	Deck Supervisor
2001	DSND rep. pull in of Tune template umbilical at Oseberg D using Scandi Navica and Commander subsea 200. Client: DSND / Hydro	Platform Supervisor
2001	Saipem rep. at AHTS "Far Senior" during rig move of the Scarabeo 6 from Troll field to Vale including removal / handling of 2 x 800 metres of 180mm \odot Fibre rope. Client: Saipem/Hydro	Deck Supervisor

2001	Discharging three 750 tonnes modules from heavy lift carrier "Happy Buccaneer" onto barges, towing and mating of the modules onto preinstalled pillars in the Nigerian swamp. Client: SAGA/ABB/SHELL	Operation Manager / Towing Master
2001	Onboard AHTS "Far Soverein" during anchor handling, towing and reinstallation of Scarabeo 6 from Ekofisk to Tordis installing two 800 metres Fibre ropes anchor legs over pipeline. Client: Saipem / Hydro	Deck Supervisor
2001	Par buckling and refloating of the container ship "Janra" off the coast of Finland, using the two cranes "Rambiz" with cap. of 3400 tonnes and "Roland" with 500 tonnes cap. together with the tugs "Zeus", "Neptun", "Isa-Pukki" and "Protector" including removal of 70 containers from the seabed.	Lift Supervisor / Ass. Salvage Master
2000	Onboard AHTS "Far Soverein" whit 27500 BHP during anchor handling / mooring of "West Alpha" at Snorre B field using three mid line buoys of 30 tonnes launched by A-frame	Deck Supervisor / Hydro rep
2000	Installing the 275000 tonne d.w FPSO "Sendje Berge" mooring system using AHTS "SDC Prince", "Smit Lloyd 90", "Maersk Dispatatcher" and "Maersk Promotor" of the coast of Ekv. Guinny. Client: ABB/Triton/Bergesen	Deck Supervisor & Tow Master
2000	Towing and mating (float over) of the module Ekulama1 in the swamp off Port Harcourt. Client: SAGA/ABB/Nig. Shell	Operations Manager
2000	Preparation of four barger and off loading four 700 tonnes modules from "Happy Buccaneer" in Port Harcourt " Nigeria, tow and moorning of the barges at Modent Marine-Port Harcourt	Marine Manager

Client: SAGA/SCTT/ABB

2000	Loading four offshore modules onto barges (RoRo) and lift of the modules onto H.L.V "Happy Buccaneer" in Abu Dhabi for the ABB project Belema Gas Injection System at Nigeria. Client: SAGA / S.C.T.T	Marine Surveyor
2000	Recovering bodies and cut of hull of the sunken tanker "Martina" off Kullen in the Öresund using diving vessel Triad and Scaldis diving team. Client: The Swedish Maritime Administration	Project Manager/ operation leader
1999	Refloating the sunken restaurant ship "Tryggö" together with diving Co. Dyk-ett in the harbour of Åhus, Sweden. Client: Skandia hull & machinery.	Salvage Master
1999	Planing and performance of sea-trial of the FPSO in Stavanger area and hand over to installation contractor. Client Esso Norway AS.	FPSO Jotun, Project Master
1999	Shifting of electrical pods at the Heidrun template using the DP- vessel "Viking Poseidon and ROV-team. Client Statoil	Supervisor
1998	Installation of the JOTUN complete mooring system consisting of 12 piles and 12 x 1600 metres of 130 mm chain / wire at 125 metres depth using the DSV- DP-vessel "Seaway Eagle" and about 2000 hours ROV driving. Client: Esso	Project Captain and Rep.
1998	Towing the 100.000 tonnes tanker hull from Finland to Stavanger using tug "Husky" and stern tug "Sigyn". Client: Esso.	Marine Co-ordinator / Towing Master
1998	Engineering, preparation and installation of three 50 tonnes suction anchors- and five 15 tonnes Steevpris anchors and in total 8500 metres chain at the Åsgard field. The AHTS "Viking Queen" outfitted with a heave-compensator (stroke of 8 meter) and AHTS	Ass Manager/ Deck - supervisor

	"Stril Power" was deployed together with a ROV and suction pump. Water depth 310 metres, Client Statoil	
1997	Towage and positioning of the two 20000 tonne pylon caissons to the high bridge of the Öresund link using the purpose built catamaran "Conda" and four tractor tugs and salvage barge "Färdig" for connection into chain mooring system. Client: Öresund Link Consortium.	Towing Master
1997	Engineering and mating of the 38000 tonnes topside to the Condeep using the seven tugs: "Maersk Placentia", Canmar-Ikaluke, Canmar-Miscaroo, Point Halifax, Atlantic Hemlock, -Spruce and Fir with a total bollard pull of 525 tonnes at Bull Arm NFD, Canada. Client: HMDC	Towing Master and project marine operation manager
1996	Towing Master and project responsible for mobilisation of the heavy lift barges "AMT Transporter" and "Goliat 10" from Gdansk, Poland to Newfoundland for the Hibernia topsides float out and Mating using the tugs "Sirocco" of 115 ton B.P and "Anglian Prince" of 160 ton B.P. Client: Neptun Heavy lift	Towing Master
1996	Re-floating the stranded ferry "Sandefjord", of Strömstad using four tugs. Client: Hull insurance.	Salvage Master
1996	Re-floating the heavily grounded vessel" Krega" off Husum in Sweden using the crane Taklift 4 and the tugs Ingemar, Kronö, Kämpe. Client: Ship owner	Salvage Master
1995	Deck mating operation of the topside to Troll Olje at Hanöytangen using four tractor tugs and the crane barge "Eide Lift" and barge P-10. Client: KCC - Kvaerner Concrete Construction. Client: Norsk Hydro	Operation Manager / Towing Master

1995	Towage of the 12000 tonnes deck structure Troll Olje from Stavanger to Bergen using the AHTS "Far Scout" and "Bison" and barge P-10. Client Norsk Hydro	Operation Manager/ Towing Master
1994	Lifting and repair of the 400 kW-cable between Denmark / Sweden using Salvage barge "Färdig" tugs and diver. Client: Swedish Vattenfall / Sydkraft.	Operations Manager
1993	re-floating the 10.113 TDW reefer vessel "Spring Bee" in ballast heavily grounded in the Öresund involving the removal of all heavy fuel and diesel and use of three tugs achieving 125 tonnes bollard pull. Client: Hull insurance.	Salvage Master
1993	Mating operations of the four Riegel Elements of 2100 tonnes each to the "Troll-gas" platform at Vats, Norway with use of purpose built barge "Conda" and the tugs Haabull and Bison. Client: Norwegian Contractors.	Marine Manager / Towing Master
1992	for planing of the deck mating operation of the 20000 tonnes topsides for the "Draugen" Condeep. Client: Norwegian Contractors.	Marine Co-ordinator
1991/ 1992	Responsible for marine engineering, mooring installation in dry dock, towing and final installation of the 85000 tonnes floating dock "Facility 210", built for the Nato "Trident" nuclear submarines at Hunterston in the Clyde Estuary, for delivery at Coulport, Loch Long, for the British Navy. Client: Costain-Taylor Woodrow	Marine Manager / Towing Master
1992	During lift and refloating of the sunken Astrea4000 tonnes Ro-Ro vessel with cranes having lifting cap. Of 2800 tonnes after the ship had sunk of Sand in Norway at 50 metres deep.	Salvage / Lifting Master
1991	Recovering the capsized push barge "Finn/Baltic", assembly off Hangö in Finland including par buckling the craft with the 1600 tonne lift revolving crane	Joint Salvage Officer and Lifting Master

"Stanislav Odin". Client: A.Haakans in Åbo.

1990	Salvage of the ferry "Scandinavian Star", after she had caught fire off Lysekil including preparation of the vessel for further towage to Copenhagen. Client P&I - Skuld	Salvage Master
1990	Master for the purpose of loading and off-loading an antique office building onto a barge at Eriksberg Shipyard in Gothenburg and relocating this to a new site within the Yard in the course of its redevelopment into a leisure area. Client: Eriksberg Development	Operation Manager and Towing Master
1989	Planing, purchasing and co-ordination of the bollard pull test of the icebreaker "ODEN" pulling 235 / 140 tonnes in a Norwegian fjord. Client : GVA- Gothenburg / Swedish Administration	Project Manager
1988	Planing, towage and positioning of the 350 year old sailing warship "WASA" as Captain during her "last" voyage to the purpose built museum in Stockholm. Client: The Museum	Operation Manager and Towing Master
1986/ 1988	responsible for the marine engineering, equipment, mobilisation of barges and tugs and Towing Master during transport of the two 41000 / 52000 tonnes topsides Gullfaks A + C, to the condeep at Diegernes in Norway. Client: Statoil.	Marine Manager