



CURRICULUM VITAE P.A. KLUYTENAAR, Serendipity UnLtd

Family name : KLUYTENAAR

First name : Pieta

Year of birth : 1953

Nationality : Dutch

Education : 1976 B.Sc. degree Nautical College, Rotterdam, the Netherlands, theoretical part of Masters ticket

Languages : Dutch, English, German

Employment record : 1975 - 1976 Apprentice mate Royal Nedlloyd
1976 - 1978 Officer Chevron Tankers (Nederland) BV
1978 - 1981 Project manager Netherlands Maritime Institute, Rotterdam, the Netherlands
1981 - present Officer and Master of various general cargo and survey vessels
1983 - 1985 Project manager Netherlands Maritime Institute/ MARIN, Rotterdam, the Netherlands
since 1985 Independent consultant, owner Serendipity UnLtd, Rotterdam, the Netherlands

Professional affiliation : Vice-chairman European Inland ECDIS Expert group, Technical Coordinator International Inland ENC Harmonisation Group. Member of the board of a marina accommodating historical ships and yachts.

Professional experience record:

youth to present : *Mate and skipper on family owned inland waterway barges (up to 1350 dwt)*

1978 - 1983 : *Owner/ skipper of a historic inland waterway motor-sailing barge*

1983 to present : *Owner/ skipper of a historic coastal/ trading motor-sailing vessel, 195 GRT, sailing area North Sea, English Channel, Baltic and Dutch inland waterways*

1975 - 1976 : *Apprentice mate Royal Nedlloyd, general cargo vessels*

1976 - 1978 : *Officer Chevron Tankers (Nederland) BV, crude oil tankers up to 230,000 dwt.*

1978 - 1981 : *Project manager Netherlands Maritime Institute, Rotterdam, the Netherlands:*

Project leader for a study of the voyage planning aspects of the grounding of the s.s. Metula in Strait Magellan, Chile (Dutch Directorate of Shipping)

Project leader for a study of the actual and desired accuracy of aids to naviga-



tion (Dutch Directorate of Shipping/ IMO)

Risk analysis of shipping traffic in the Port of Rotterdam, consultancy for the introduction of a new VTS in the Port of Rotterdam (Dutch Directorate of Shipping/ Rotterdam Port Authority)

Studies of the navigation and manoeuvring with deep draft vessels in the English Channel, Strait of Dover and Southern North Sea for the deepening of the entrance to Europoort, Rotterdam (Dutch Directorate of Shipping/ Rotterdam Port Authority)

1981 - present

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Deck-officer/ master

Officer and master of coastal trading general cargo vessels (North Sea and Baltic Sea), survey vessels and chase boats involved in the exploration of oil and gas (North Sea).

Officer and Master of various vessels (Ro-Ro vessels, dredging vessels, tugs, etc.) during ship delivery voyages (world-wide). Training of officers and crew with the management and handling of (new) ships during ship delivery voyages and on location.

1983 -1985

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Project leader/ manager Netherlands Maritime Institute/ MARIN, Rotterdam, the Netherlands:

Project leader for a study of the economical, safety and social consequences of "Flags of Convenience", a paper for an UNCTAD Conference (Liberian Ship-owners Council, New York)

Project leader/ manager for studies (including shipmanoeuvring simulator studies) of the safety, economical and manoeuvring aspects of six barge push-tows (Ministry of Transport and Public Works (Ministry of Transport))

Research into human behaviour while navigating and manoeuvring ships to draft a mathematical model of captains and/ or pilots of seagoing and inland water commercial vessels. (Ministry of Transport)

Researches (including simulator studies) into merchant vessel bridge design (Dutch Directorate of Shipping, CMO)

since 1985

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Independent consultant, Rotterdam, the Netherlands:

Consultant on navigational and technical matters for organisations of owners of inland water barges.

Drafting of a verbal model of harbour operations and connecting inland waterway transport. Consultancy on the input for a mathematical model of harbour operations and connecting inland waterway transport. (Delft Hydraulics)

(Feasibility) study on the economical aspects of wind propulsion for seagoing cargo vessels (Maritime Economic Research Centre (MERC))

Evaluation of 72-foot draft traffic with destination Europoort (Dutch Directorate of Shipping)

Consultancy for an evaluation of Brug90¹ (TNO-IZF)

Study of watch-keeping performance on board of Dutch fishing vessels (Nauta van Haersolte)

¹ Bridge90: the Dutch bridge-of-the-future design.



Development of a training-course for and training of VTS-operators who are based on board of off-shore structures in traffic lanes (MARIN, Dutch Coast Guard).

Nautical consultancy and co-operation during ship-manoeuving simulator experiments with regard to the passage of very narrow channels, arrival en departure manoeuvres with a variety of ship types, ranging from large cruise vessels, LNG tankers, bulk carriers and inland vessels, to submarines. Introducing pilots to the simulator and, in preparation of and during the simulator experiments. Advise on methods to improve manoeuvrability and navigational aids, establishment of safety level of manoeuvres. Development of manoeuvring strategies and simulator training programs for masters and pilots. Execution of training of masters and pilots both in ship manoeuvring simulators and in practice. Introduction to the use of high efficiency rudders, jets, azimuth thrusters, joy-stick, tug escort. Coaching of special manoeuvres in practise. Escort towage. Involving among others:

Lakshadwee (India), Bontang (Indonesia), Empel, Weurt, Lobith, IJssel, Lelystad, Lemmer, Lith, Beerdam, Neer, Elsloo, Ternaaien, Rotterdam, Amsterdam, Terneuzen (Netherlands), Gijon, Bilbao, Huelva, Barcelona. Coruna, Ferrol (Spain), Bermuda, Barrow, Firth of Forth, Humber, Milford Haven, Plymouth (U.K.), River Ems (Germany), Rio Parana (Argentina), Brasil, Surinam, Tangguh (Australia), Arinaga (Canaries Islands), Mohammedia (Maroc), Damietta (Egypt), Monaco, Malta, Oasis of the Seas (Miami, St. Thomas), Disney Dream/Fanatomy (Castaway Key), various off-shore projects involving SBM's, F(P)SO's, etc. off African Coast, Persian Gulf, China.

(Consultants, Celebrity Cruises, RCCL, Holland America Line Westours Inc., Renaissance Cruises, Disney Cruises, Seabourn, Royal Olympic, Wagenborg, PSD, Delft Hydraulics, MARIN, TNO, RPA, MSCN, SUSAN Hamburg, Jos L. Meyer Shipyard).

Consultancy on bridge design (cruise companies)

Consultancy on electronic chart and navigation systems for manoeuvring and docking (shipowners, shipyards, offshore)

Nautical risk analyses and assessment of nautical accidents for different governmental bodies (Rijkswaterstaat, RPA).

Fast-time simulation studies on harbour entries and inland waterways (RPA, Rijkswaterstaat)

Assessment of the cost of ship damage from accidents in the Port of Rotterdam (Rotterdam Port Authority)

Consultancy for the multi-departmental study *Veilig Vervoer te water*², practical expertise for drafting of risk-effect model (Delft Hydraulics, Ministry of Transport)

Assessment of the causes and backgrounds of collisions and other ship casualties in legal disputes, Arbitration (legal offices, Courts, TEMARA).

Drafting of a verbal model of the surveillance task of patrol boats (Rotterdam Port Authority)

Assessment of the manoeuvring strategies of pilots and accidents and damages at the North Sea locks at IJmuiden, the Netherlands. (Ministry of Transport)

²Safety of inland waterway transport



Assessment of mooring behaviour during waiting times for locks. Assessment of need for overnight berths. Assessment of route-choice behaviour on inland waterways (Ministry of Transport)

Assessment of workload on board of small coastal vessels (Ministry of Transport)

Studies and consultancy on the introduction of high-speed vessels on inland waterways (Ministry of Transport)

Various studies regarding River Information Services. VTS on inland waterways, INCARNATION, RINAC, INDRIS, COMPRIS, PLATINA, IRIS Europe II (Ministry of Transport, EEC)

Drafting of European Standards for Inland ECDIS, Evaluation of COST 326 project (Ministry of Transport, EEC), founder of the IEHG.

Drafting of proposals for Safety Regulations for Non-Convention Ships, Regional Policy-level Seminar on Safety of Coastal and Inland Navigation (ESCAP/IMO)