

Curriculum Vitae

Frank Knoors



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LOGIT
ONE™

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1 Bio

Frank Knoors is founder and managing director of Logit One NV. He holds a master's degree in computing science (with great distinction) from Eindhoven University of Technology, and a master's degree in business economics from the University of Amsterdam.

Logit One empowers your logistics with intelligence™ and can bring reliability, collaboration and optimisation to your business – so that you can create new revenue streams and operational efficiencies. Its flagship solution is a services platform that enables logistics actors (shippers, forwarders, carriers, ports and terminals, beneficial cargo owners) to implement services and communities to support easy-to-use:

- End-to-end logistics planning & visibility
- Vertical and horizontal collaboration
- Sharing of information within supply chains

Frank wants to turn innovative ideas for logistics into operational services - combining logistics, business process and IT expertise. He has been involved in several European projects: Marnis, Freightwise, Moses, Smart-CM, i-Cargo, DiSCwise, COMCIS (last two as coordinator) and CORE.

In 1993, Frank Knoors founded Sequoyah, a consultant and business architect with focus on e-commerce and business process re-engineering. As from 2007 the strategic focus was on transport & logistics. Between 2010 and 2013 he was managing director of Logit Systems.

Frank's current areas of interest include supply chain execution, advanced planning, synchro-modality, use of big data for logistics, and large scale data sharing and interoperability. He adopts an integrative approach to these topics - covering issues of strategy, process innovation and ICT.

Out-of-the-box thinking characterizes his approach, interrelating broader strategic issues with detailed insights in matters of technology.

Frank is of Dutch nationality and lives with his wife and two children in Belgium – and loves music, art, reading, and golf.

See www.logit-one.com and www.linkedin.com/in/frankknoors

2 General

Name	Knoors
First name	Frank (Franciscus Marie Josephus)
Date of Birth	9 th April 1967 (Urmond, Netherlands)
Nationality	Dutch
Civil status	Married, two children
Residence	Beukendreef 3, 3620 Lanaken (Belgium)

3 Languages

- Dutch (mother language)
- English (fluent)
- German (fluent)
- French (moderate, Berlitz level 3+)

4 Education

Master of Science in Computing Science (Ir.), with great distinction
Eindhoven University of Technology, Netherlands
Faculty of Mathematics and Computing Science

Specialization:

- *Information systems design & development*
- *Technical information systems*

Supplemental Doctoral Degree in Electrical Engineering
Eindhoven University of Technology, Netherlands
Faculty of Electrical Engineering

Specialization:

- *Telecommunication systems & signal processing*
- *Control systems*

Master of Science in Business Economics (Drs.)
University of Amsterdam, Netherlands
Faculty of Economics & Econometrics

Specialization:

- *Financial management & management accounting*
- *Management information systems*

5 Lectures, papers, exhibitions

Marcom 2000 – 4th European Marine Communications and Information Technologies Conference (Dublin, Ireland):

“E-commerce for the maritime sector”.

Short Sea Europe 2000 (Duisburg, Germany):

“E-commerce: Enhancing intermodal connectivity”.

Short Sea Shipping: Towards a new mobility in Europe

(23-25 November 2000, Ghent, Belgium):

“Flemish vision towards an integrated north-west european waterborne logistics”.

VI Cities on Internet Conference - Zakopane 2002

(12-14 June 2002, Zakopane, Poland):

“Masterplan for e-Government in Poland”

10th ISPE International Conference on Concurrent Engineering:

“Outbound Intermodal Logistics, from the Manufacturer’s Gate to the Final Customer: The Future Logistics Management IT Systems as Perceived by the Supply Chain Partners”

2nd e-Lecture delivered 15th April 2004 through the European 5FP project Polloco (Polish Centre of Logistics Competence):

“Collaborative web-based multimodal logistics management: Strategies, processes & systems”

Polish Logistics Congress LOGISTICS 2004 “Logistics networks on the integrated European market” (Poznan, Poland):

“Collaborative web-based multimodal logistics management: Strategies, processes & systems”

Polloco workshop (24th November 2005, Poznan, Poland)

“Presentation of Transport Chain Management System as a potential components of the ELP (Electronic Logistics Platform)”

Manufacturing & Logistics Software and Services 2005 – 9th PICS Software Show (9-10 March 2005, Kortrijk, Belgium).

Transport & Logistics 2005 Antwerp (18-20 October 2005, Antwerp, Belgium).

EU Supply Chain & Logistics Summit 2006 Prague (26-27 June 2006, Prague, Czech Republic).

3rd Annual Central and Eastern European Transport, Logistics & Supply Chain Congress (5-6 October 2006, Budapest, Hungary).

Polish Logistics Congress LOGISTICS 2008 (7th May 2008, Poznan, Poland)
“Value added services for e-logistics: Transactional electronic platforms supporting logistics management”

Move It Expo 2010 (17-19 Maart 2009, Genk, Belgium)

Round Table on Information and Communications Technologies for Innovative Global Freight Transport Systems, co-organised by the Joint Transport Research Centre of the OECD and the International Transport Forum (8-9 March 2010 Genoa, Italy)
“ICT applications for innovative global freight systems: How to implement a global system: Standards, systems, and services that make freight management work”

Polish Logistics Congress LOGISTICS & EUROLOG 2010 (12-13 May 2010, Poznan, Poland)
“IT tools for handling consolidated flows taking into consideration co-modality of transport operations”

11th Logistics CIO Forum (17-18 May 2010, Amsterdam, Netherlands)
“Security as a compelling event to drive visibility & collaboration”

ECITL 2010, 3rd European Conference on ICT for Transport & Logistics (4-5 November 2010, Bremen, Germany)
“Common Framework for ICT in Transport: Status of framework development”
“Added value of SMART-CM for the Industry: Possible business models”

Intermodal Europe 2010 (30 November - 2 December 2010, Amsterdam, Netherlands)
“Security as a compelling event to drive visibility & collaboration”

e-Freight 2011 (10-11 May 2011, Munich, Germany)
“Business model for administering platforms for sharing logistics information”

ECITL 2011, 4th European Conference on ICT for Transport & Logistics (13-14 October 2011, Thessaloniki, Greece)
“Status of the Common Framework development”

e-Freight 2012 (9-10 May 2012, Delft, the Netherlands)

“Improving sustainability through intelligent cargo and adaptive decision making”

ECITL 2012, 5th European Conference on ICT for Transport and Logistics (7-9 November 2012, Gothenburg, Sweden)

“Digital supply chains for European SMEs” & “Creating situational awareness in logistics”

ECITL 2013, 6th European Conference on ICT for Transport and Logistics (23-25 October 2013, Zaragoza, Sweden)

“Creating situational awareness in logistics - Interoperable freight information services”

Logistics in 2030 Conference (9th November 2013, Brussels, Belgium)

“Towards towards more operational, collaborative and flexible services in freight transport logistics - Lessons learned from COMCIS”

Freight Forwarders Forum 2013 (28th November 2013, Antwerp, Belgium)

Moderation of the session “Intelligent Logistics and innovation: Challenges and Opportunities for the Freight Forwarder ”

DIALOG/SOCOOL@EU Congress 2014 (1st April 2014, Amsterdam, Netherlands)

Workshop 1.4: Intelligent hubs / Synchro modality

“Visibility in ports and multimodal networks, the European perspective”

Polish Logistics Congress LOGISTICS 2014 (14-16 May, Poznan, Poland) on Communication in Supply Chains

“Visibility in ports and multimodal networks: A case study by DHL and Logit One”

Freight Forwarders Forum 2014 (6th November 2014, Brussels, Belgium)

“Challenges and Opportunities for Logistics: (Re-)Inventing business operations – How Big Data changes the supply chain”

Intermodal Europe 2014 (11-13 November 2014, Rotterdam, Netherlands)

“Intelligent Logistics through Partnering in the Supply Chain: Innovation through new business models”

6 Publications

S. Dalmolen, E. Cornelisse, A. Stoter, W. Hofman, H. Bastiaansen, M. Punter, F. Knoors. *Improving sustainability through intelligent cargo and adaptive decision making*. Proceedings of the e-Freight Conference 2012; 05/2012.

7 Specialization

- Global transportation & logistics
- Electronic commerce strategies
- Business process innovation
- Collaborative information systems
- Business models

8 Current occupation

Managing Director at Logit One NV

9 Career

9.1 During & after university

1988 - 1989: Philips Electronics - Telecommunication Systems
Hilversum, Netherlands
Software engineer

1989 - 1990: Oce Copiers - Research & Development
Venlo, Netherlands
Software engineer

1990 - 1991: Royal Dutch Army – Directorate Financial Control
The Hague, Netherlands
Counsellor financial information systems

1991 - 1993: Siemens – Engineering Division
The Hague, Netherlands
Project engineer

9.2 Sequoyah

1993 (July) – 2010 (Aug): Sequoyah N.V.
Geel (Antwerp), Belgium
Founder & Managing Director

1999 - 2007: Sequoyah International Restructuring Inc.
Scottsdale (AZ), United States of America
Founder, Director, and Treasurer

2008 – 2014: International Cargo Security Organisation vzw
Brussels, Belgium
Director (Chairman as from '09)

9.3 Logit Systems

2005 - 2013: Logit Systems AS
Grimstad, Norway
Member of the Board of Directors

2007 - 2011: Logit Systems AS
Grimstad, Norway
Business Development & Sales Director

2010 (Sep) – 2013 (Oct): Logit Systems BVBA
Geel, Belgium
Managing Director

2011 (Feb) – 2013 (June): Logit Systems AS
Grimstad, Norway
Managing Director

9.4 Logit One

2013 (Nov) - present: Logit One NV
Geel, Belgium
Founder & Managing Director

10 Projects

Projects are presented in order of execution.

10.1 Recent

VeLP / Vlaams e-Logistics Platform: In October 2008 the breakthrough project VeLP+ was started, the Flemish e-Logistics Platform for intercontinental container monitoring. After two years of intensive work the Proof of Concept was successfully completed. The test results show that the use of the VeLP+ platform provides considerable benefits to the logistics industry in the areas of security, visibility and time savings.

Consultancy

Flemish Institute of Logistics (VIL)

Smart-CM: SMART Container Chain Management; 7th Framework Programme Collaborative Project - Large-scale integrating project; Grant agreement no. 218547
Responsible for technical coordination
European Commission DG Research

StratMoS: MoS (Motorways of the Sea) Strategic Demonstration Project; Interreg IVB North Sea Region Programme
Coordination of Demonstration Project DP4: Secured Trade Lanes in the North Continent – Russia Corridor
European Commission DG REGIO

DiSCwise: Developing, Demonstrating and Deploying a Reference Architecture for Interoperability in the Transport and Logistics Sector; Service contract No. SI2.551522
Responsible for project management
European Commission DG Enterprise, BMT Group Limited

COMCIS: Collaborative Information Services for Container Management; 7th Framework Programme Collaborative project - Small or medium-scale focused research; Grant agreement N° 285712
Project director
European Commission DG Research

iCargo: Intelligent Cargo in Efficient and Sustainable Global Logistics Operations; 7th Framework Programme Large-scale Integrating Project; Grant agreement N° 288383
Architecture of freight application objects, pilots coordination
European Commission DG Information Society

CORE: Consistently Optimised Resilient Secure Global Supply-Chains; 7th Framework Programme Large-scale Integrating Project; Grant agreement N° 603993
Coordination of demonstrator on drugs-free import from South America to Antwerp
European Commission REA Research Executive Agency

CLOUD: Collaboration in Logistics Operations and Urban Distribution; 7th Framework Programme; ERA-NET III Transport Flagship Call 2015 “Sustainable Logistics and Supply Chains”; Grant agreement N° 321525 (IWT.150921)
Responsible for technical coordination
European Commission, VLAIO Agentschap Innoveren en Ondernemen

10.2 Before 2008

Development of a software package for testing telecommunication switches

Project management, requirements analysis, design, programming, testing

Philips Telecommunications (Netherlands)

Design of a reference model of an embedded control system for large-volume copiers

Requirements analysis, design, simulation, assessment of software specification languages

Oce Copiers (Netherlands)

Amer-9: Realisation of a distributed control system for an electric power plant

Engineering, information management

Siemens (Netherlands)

Parthenon: Development of a model of product data exchange, workflow and project management for power plant automation projects, and development of an accompanying accounting and information system

Requirements analysis, design, counselling on organizational change, project management of system development

Siemens (Netherlands)

Boomerang: Development and marketing of a service for the identification and recovery of stolen vehicles based on passive transponders

Product design, sales and pricing model design

Dutch Automobile Association & Uniguard Identification Systems (Netherlands)

Columbus: Restructuring the project management and workflow of the industrial automation division, based on business process re-engineering and activity-based costing principles

Requirements analysis, design, counselling on organizational change, promotion

Siemens & Sappi (South-African Pulp and Paper Industry, formerly known as KNP Leykam, Netherlands)

Ernis: Development of a distributed regional information system for the Euroregion Neisse-Nisa-Nysa

Project management

Euroregion Neisse-Nisa-Nysa (Germany, Czech Republic & Poland), Province of Limburg & Flemish Community (Belgium)

Columbus: Workshops on re-engineering industrial automation projects

Workshop development, training, counselling during action learning process

Siemens (Belgium)

Columbus: Re-engineering the industrial automation industry through a co-operative, lean and unified model for business processes; 4th Framework Programme SME Exploratory Award, ESPRIT Project 25769

Feasibility study, full proposal preparation

European Commission DG III (Industry)

Digization of technical archives: Scanning of 50.000 electrical and process control drawings in various formats; development of integrated AutoCad drawings for each floor of each building in the Benelux plants (civil) and for a number of paper machines (mechanical)

Project management, quality control system design and implementation, co-ordination of outsourcing

Sappi (South-African Pulp and Paper Industry, formerly known as KNP Leykam, Netherlands & Belgium)

Teleports: Development of a port authority database system for nautical planning including exchange of EDI messages for announcement of vessels, berth management and notification of dangerous goods

Project management, training on port management and port telematics, analysis, basic & detailed design, development of Message Implementation Guideline (MIG), contribution to ITIGG Principles & Rules for Edifact Berman message, development of EDI workstation, demonstration

Port of Gdynia (Poland) & Port of Gdansk (Poland) & Flemish Community (Belgium)

Intrartip: Development of an intermodal electronic commerce platform for transport services and multi-modal transport chains; 4th Framework Programme RTD Project IN-97-SC2120

Requirements analysis, state-of-the-art analysis, design of a semantic framework (datamodel) for intermodal transport, design of service architecture, demonstration

European Commission DG-VII (Transport)

Development of a computer-based training package on financial derivatives for the backoffice of a bank based on the platform Lotus LearningSpace, Macromedia Authorware, and Macromedia Flash

Course design

Dexia (Belgium)

Publilink: Study towards the outsourcing of a wide area network

Cost analysis, technical and commercial evaluation, market comparison, advice on outsourcing management

Dexia (Belgium)

Service management: Implementation of an ITIL based methodology for managing IT services delivered towards internal and external customers, including service level agreements

Awareness creation, service management workshops

Dexia (Belgium)

Portis: Feasibility study for the Koper Port and Trade Information System, with emphasis on a concept for a transport chain management system for automotive transport

Project management, training on port management and port telematics, analysis, basic & detailed design, demonstration

Port of Koper (Slovenia) & Flemish Community (Belgium)

Teleports II: Design study for the overall Port Gdynia Community System

Project management, analysis, basic & detailed design, demonstration

Port of Gdynia (Poland) & Flemish Community (Belgium)

Marketing management for a broadband residential gateway product

Back-office support

MetaVector Technologies N.V. (Belgium)

Development of a distance learning network for vocational training

Project management, master plan development

National Center for Technical and Vocational Education and Training Development (Romania) & Flemish Community (Belgium)

Teleports Bulgaria: Design study for the Port of Bourgas Community System

Project management

Port of Bourgas (Bulgaria) & Flemish Community (Belgium)

E-Ten: European Tendering Exchange Network

Market research

European Commission DG-IS (Information Society)

RIS Hungary: Design study for a nautical and logistic river information system for the Hungarian inland ports of Mohacs and Baja

Project management

Flemish Community, Hungarian Ministry of Transport and Water Management (Shipping Department), Institute for Transport Sciences (KTI), Mohacs Varos Polgarmesteretol (Port of Mohacs) & Baja Public Port

Municipium: Development of a masterplan for e-government in Poland

Project management, master plan development

Flemish Community & Municipium S.A. (Poland)

D2D: Demonstration of an integrated management and communication system for door-to-door intermodal freight transport operations; 5th Framework Programme RTD and Demonstration Project GRD2-2000-30146, thematic programme Competitive and Sustainable Growth

Business process analysis and re-engineering, requirements definition, architecture, analysis of potential for advanced planning methods, integration into VW transport chain operations

European Commission DG TREN

Integration: Integration of Sea Land Technologies for an Efficient Intermodal Door-to-Door Transport; 5th Framework Programme RTD and Demonstration Project GRD2-2001-50052, thematic programme Competitive and Sustainable Growth

Simulation of door-to-door multimodal transport chains

European Commission DG TREN

PLCS: Implementation of the Polish Logistics Community System

Project management, consultancy

Flemish Community & ILIM Institute of Logistics and Warehousing (Poland)

Remarcc II: Development of a platform of e-logistics information services for intermodal transport and supply chain management and optimization; Interreg IIIB North Sea Region Programme

Project management, business development, concept development

European Commission DG REGIO, NV Zeekanaal en Watergebonden Grondbeheer Vlaanderen & NV Maatschappij van de Brugse Zeevaartinrichtingen (MBZ)

MTCP: Maritime transport co-ordination platform; 6th Framework Programme Co-ordination Action 506328 (domain Sustainable surface transport)

Leader of experts group marine transport market, operations & logistics; expert reviews, forecasting & recommendations.

European Commission DG TREN (Transport & Energy)

MarNIS: Maritime navigation and information services; 6th Framework Programme Integrated Project 506408 (domain Sustainable surface transport)

Requirements analysis and specification of (i) the port planning tool in WP1.3 "Information services in ports" within Cluster 1 "Maritime information management", and (ii) commercial-oriented data exchange from ship to shore in WP5.1 "External information flows on board" within Cluster 5 "Commercial-oriented Data Exchange".

European Commission DG TREN (Transport & Energy)

BPCS: Bulgarian Port Community System, Capacity Development

Project management; transfer of expertise workshops; full-scale implementation plan.

Flemish Community, Port of Bourgas

NMC2: Norther Maritime Corridor II; Interreg IIIB North Sea Region Programme

Coordination of WP D “Technological development and ICT tools”; specification of interoperable information systems/services for the information motorway of the North Sea, incl. XML messages; pre-standardization activities.

Antwerp Port Authority

MultiTr@ns: Multimodaal transport; Interreg IIIB North Sea Region Program

Message specification, demo setup

IBBT

FreightWise: Management Framework for Intelligent Intermodal Transport; 6th Framework Programme Integrated Project 020188 (domain Sustainable surface transport)

Design of a framework architecture for intermodal management systems; definition of technical and administrative guidelines which support the implementation of integrated intermodal transport chains; specification and design of ICT tools for managing intermodal door-to-door transport operations; coordination of the Central demonstrator aimed at providing SMEs with low cost intermodal management capabilities by implementing a portal for intermodal transport management on a network of services in transport hubs and on links from Benelux to the Baltic.

European Commission DG TREN (Transport & Energy)

Moses: Motorways of the Sea European Style; 6th Framework Program Integrated Project 038585 (domain Sustainable surface transport)

WP leader of information flow and ICT activities focussed on developing the Seamless Information Motorway Concept and improved operational accessibility of MoS services; coordination of the Atlantic/Baltic MoS Marketing case aimed at marketing MoS services to SME's.

European Commission DG TREN (Transport & Energy)

Interbaltic: Intermodality and Interoperability in the Baltic Sea area; Interreg IIIB Baltic Sea Region Program

Coordination of WP 3 “Intermodal toolbox development and deployment” aimed at establishing an ICT toolbox that focuses on how intermodal networks and chains can be positioned in a context of cargo flows and transportation networks & services.

European Commission DG REGIO, Polish Institute of Logistics and Warehousing (ILIM)

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