



Barcelona Shipping
Agents Association

Blockchain in Shipping and Logistics

FONASBA ACB Online Course. 3rd Edition

From November 4th to December 11th, 2025

REGISTER NOW

acb@consignatarios.com



COURSE OBJECTIVES

The aim of the course is to present blockchain technology, which is already causing disruptions in many sectors, including logistics and maritime transport.

After the theory section which analyses the more technical aspects of this technology, the course will go on to give an in-depth look at the applications in our sector and real case uses which are already fully operational now.

The aim is to show the student how different technologies are changing the way business is done, and the shipping sector is no different.



STUDENT PROFILE

This course is designed specifically for employees of shipping companies and shipping agents who want to learn about this brand new technology and how it is already affecting the way their companies operate and will operate in the future.

It is also suitable for employees of import/export companies, freight forwarders, customs agents, port terminals and logistics companies interested in this subject.

The course can also help students of international trade and logistics and transport, to make a start on learning about new technologies and how they interact in companies.



Jaime Paz, with his long career in the logistics and shipping sector, will be in charge of giving the theory classes.

As regards the case studies to be analysed, experts from the chosen companies will be in charge of the sessions.



Jaime Paz

*Ocean Network Express (Spain)
Head of Customer Service Spain
Postgraduate in Blockchain Management.
Master's in Big Data – Business Intelligence.
Executive Program - Singularity University - Silicon Valley.*



NO TECHNICAL KNOWLEDGE OF BLOCKCHAIN IS REQUIRED TO ENROL.

UNIT 1.- DEFINITION AND ANALYSIS OF THE TECHNOLOGICAL ENVIRONMENT OF THE SHIPPING BUSINESS

A. DIGITALISATION OF THE ECONOMY AND INDUSTRY (4.0)

- What is digitalisation?
- The digital transformation process
- Industry 4.0
- Impact of digitalisation on the productive fabric
- Impact of digitalisation on employment
- The need for training in digital economies and industries

B. THE SHIPPING BUSINESS IN THE AGE OF DIGITALISATION – DIGITAL MATURITY

- Digital maturity
- Advances on the road to the digitalisation of shipping
- The new future in the digitalisation of shipping

UNIT 2- INTRODUCTION TO BLOCKCHAIN TECHNOLOGY (I)

A. ORIGINS OF BLOCKCHAIN TECHNOLOGY – BITCOIN

- What are value and money?

B. BLOCKCHAIN TECHNOLOGY

- Hashing and encryption
- Transactions and blocks
- Smart contracts
- Tokenisation

C. TYPES OF BLOCKCHAINS – INTERACTION WITH OTHER TECHNOLOGIES

UNIT 3.- APPLICATIONS IN THE SHIPPING SECTOR (I)

- A. LOGISTICS AND SUPPLY CHAINS
- B. TRADELENS FAILURE CASE STUDY.
- C. GSBN

UNIT 4.- APPLICATIONS IN THE SHIPPING SECTOR (II)

- A. eBL
A brief summary of the bill of lading. Definition of the eBL. Why now?. How does the eBL work?. Benefits of the electronic bill of lading Limitations of the electronic bill of lading eBL platforms

PARTICIPATION OF EXTERNAL PARTNERS.



EDJ XTech Law School.

EDJ XTech Law School is a benchmark in the field of training in the convergence of law and technology, having been awarded the First Prize of the Open Awards 2024 in the training category for its innovative educational proposal. EDJ specializes in training professionals in the most advanced and emerging areas of technologies such as **artificial intelligence** or **blockchain**, among others, but also covering the knowledge of the **legal challenges associated with these new technologies**.



Moreover, in its work in the democratization of access to techno-legal knowledge, one of the most outstanding initiatives has been the development of a free artificial intelligence that detects the legal risks of startups allowing to know the legal challenges of the venture from the design stages. A tool that not only optimizes the work of lawyers and technicians, but also allows them to stay ahead of constantly evolving regulations.



Anjaney Borwankar, AFNI , MBA Co-Founder & Chief Executive – Navozyme™

Anjaney Borwankar (Anjan) is a former seagoing officer and a seasoned entrepreneur having worked previously with prestigious organizations such as McKinsey & Company, A.P.Moller (Maersk) and the IESE Business School. Anjan co-founded Navozyme™, an award winning DeepTech scaleup, pioneering solutions to facilitate decarbonisation and digitalisation of the global maritime industry. He is currently the Chief Executive of Navozyme™ and is leading the company's growth and international expansion. Anjan is a thought leader on the topic of *Digital Transformation* and a regular speaker at leading conferences worldwide. Anjan designed the first course on blockchain fundamentals for the maritime industry in collaboration with The Nautical Institute, London. He was invited by the IMO to give a workshop to all its members on the application of blockchain in maritime for single window, cybersecurity and e-certifications.



USYNCRO.

Cristina Martín Lorenzo, CEO y cofundadora de Usyncro.

Chemical Engineer by training, Executive MBA from IE and is certified as an Air Freight and Transport Operator. She founded the freight forwarding company ATML 18 years ago and is currently CEO of Usyncro. The company received in 2022 the Best Start-up Award at the International Logistics Show and South Summit in the Digital Business category.

Usyncro, a multimodal solution (land, sea, air and space), based on Blockchain technology and Artificial Intelligence to make visible and synchronize all the actors in the Supply Chain. Its team brings knowledge and experience in logistics, transportation, technology and financial environments to digitize the management of processes and procedures related to the shipment of goods.



SIMPLE.

Jaime Luezas Alvarado. Área de Servicios a la Comunidad Portuaria. Puertos del Estado.

PhD in Economics and Business Administration UCM/UNED.

Master in Port Management and Intermodal Transport IPEC/ICADE.

Management Development Program IESE.

University Expert in Innovation and Digitalization in Logistics and Transport UPV.

Head of Services and Port Community Area. State Ports.

Coordinator of the National Maritime Port Single Window (DUEPORT).

Representative in Safe Sea Net (SSN) Expert Groups.

Member of DTLF (Digital Transport and Logistic Forum).

IMO consultant for facilitation and single window.

Focal Point UN/CEFACT for LOCODES.

Member of IEC WG on Metaverse.

Facilitator WG UNE Smart Port Standard.



CODECONTRACT. Sergio Gallastegui Herrero. CEO & Co-Fundador Code Contract

He has experience in the creation and implementation of innovative business projects, generation of high performance teams and technical expertise (Full Stack Developer) with new technologies (Blockchain-Big Data). He has held leadership positions in different areas and has had the opportunity to be working in foreign countries (Finland, San Francisco, China and India) where he was in charge of the design and implementation of innovative business strategies to enter new markets. He has also worked on the development of documentation demonstrating the legal validity on smart contracts with Blockchain technology and I have acquired knowledge on digital marketing. In addition to being recognized as MIT Innovator Under 35 Europe 2022.

	COURSE STRUCTURE
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This online course starts on **4th November** and ends on **11th December** 2025 with a total duration of **10.5 hours**. The course offers **7** online sessions of **1.5 hours** each conducted over the **MS Teams** platform.

Dates: 4, 11, 18 and 25 November – 2, 9 and 11 December. Classes start at **17.00h** and finish at 18.30h. Reference time zone: CET.

Students will be given the course syllabus (PDF, presentations, etc.) prior to the start of the course.

	ENROLMENTS
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To confirm your interest send an email to acb@consignatarios.com. With this email you can book your place on the course. Once you have paid for the course, your enrolment will be considered definitive.

	CERTIFICATE
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Final course work is required. On passing the course you will receive a certificate of aptitude. Certificate will be released as well in digital format on blockchain.

	COURSE FEE
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300 Eur (+ VAT if applicable)

How to pay for your course: Bank Transfer:

Payment currency: Eur - Bank name: Banco Sabadell

Account: ES05 0081 0057 3600 0153 0461. Swift Code: bsabesbbxxx - Bank Country: Spain

ENROLMENTS:
acb@consignatarios.com

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