

NxtPort

Towards a
competitive advantage

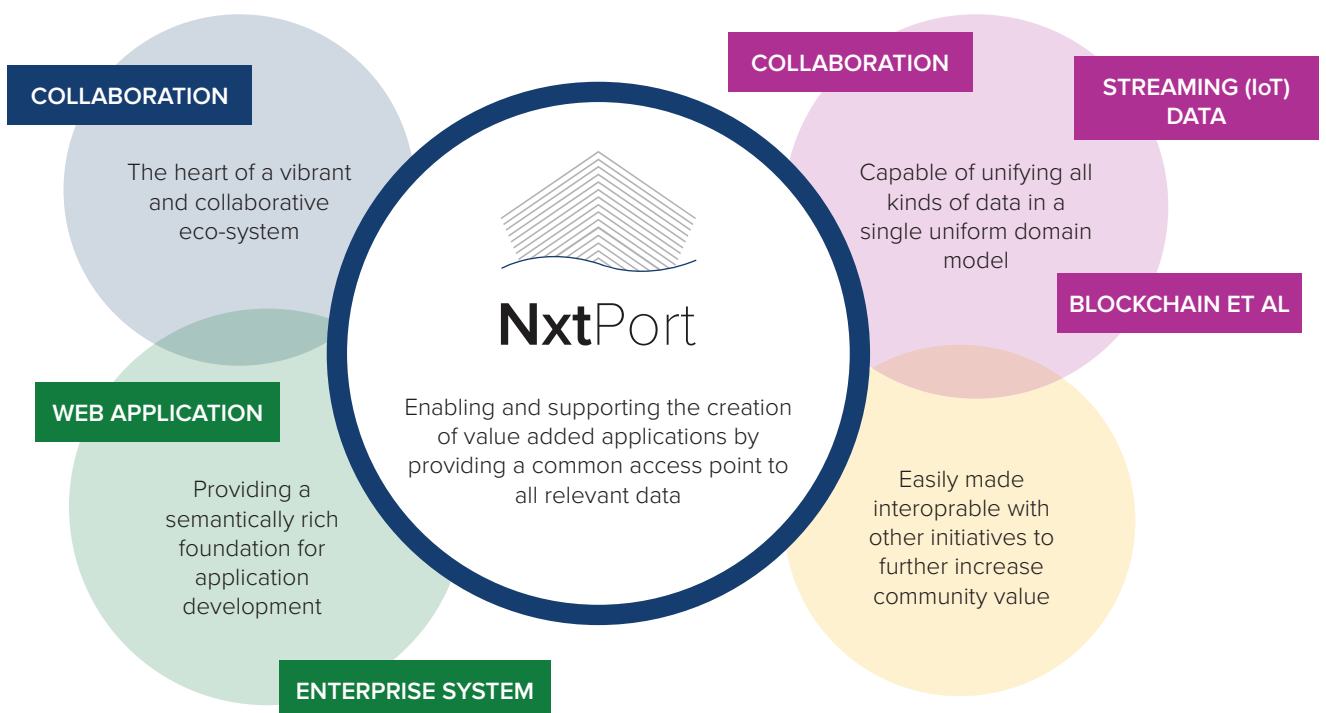
NxtPort unlocks the potential of sharing data

NxtPort was launched in January 2017 on initiative of a number of leading maritime and logistic private companies and their industry associations. The aim is to put the Flanders sea ports and Belgian inland terminals at the forefront of digitalisation in the logistics world.

The NxtPort **Data Utility Platform** will connect all logistics related data, which is now spread across various partners in the supply chain, into 1 central platform where it can be re-used and shared in an authorized and secure manner.

A NxtPort "golden rule" is that the **data provider remains the data owner** and controls in which context his data can be shared.

NxtPort is also a **Supply Chain Community Company** facilitating logistics and supply chain innovation. Through a strong involvement in the technology and incubator community on one side and the supply chain business community on the other side, NxtPort will **stimulate innovation and the development of new applications** further up or down the supply chain.



Towards a Competitive Advantage

- Faster, cost-effective and more efficient data sharing between the different "authorized" players throughout the supply chain.
- More transparency in the whole shipping process – ranging from tracing goods to real time tracking and proactive alerts.
- Smoother interoperability of existing platforms
- Increased operational efficiency, quality and security in the end to end supply chain



NxtPort golden rules

NXTPORT'S BUSINESS PLAN IS BASED ON THE FOLLOWING "GOLDEN RULES":

Our key partners in unlocking the value of data-re-use are:

A STRONG AND COLLABORATIVE BUSINESS COMMUNITY

Logistics players can be a data user as well as a data provider. Stakeholders can optimise their internal processes by using correct and up-to-date information from a central platform.

AN INNOVATIVE AND ADAPTIVE TECHNOLOGY COMMUNITY

Accessing and combining data through the NxtPort data services will unlock new possibilities for independent software companies to develop innovative applications and solutions.

To ensure that we respond accurately to new market trends and stimulate innovation in line with business demand, we've put in place a quarterly **Advisory Board** with representation from all stakeholders (carriers, agents, forwarders, shippers) as well as the academic world.

Additionally, to ensure an evolutive development of services in a genuine collaborative community, we are hosting regular **co-creation work sessions** with the business and technology communities. Want to join? Stay tuned on www.nxtport.eu!

Data ownership: The data provider remains the data owner at all times.

Data sharing: The data provider decides in which context his data can be shared.

Clear distinction between data and applications: NxtPort develops and manages the data platform. NxtPort does not develop applications. Developing applications is done by "the market", so as to stimulate innovation and efficiency.

Everybody is welcome to join – Nobody is excluded – Nobody is forced in.

The data users **"share" the financial benefits.**

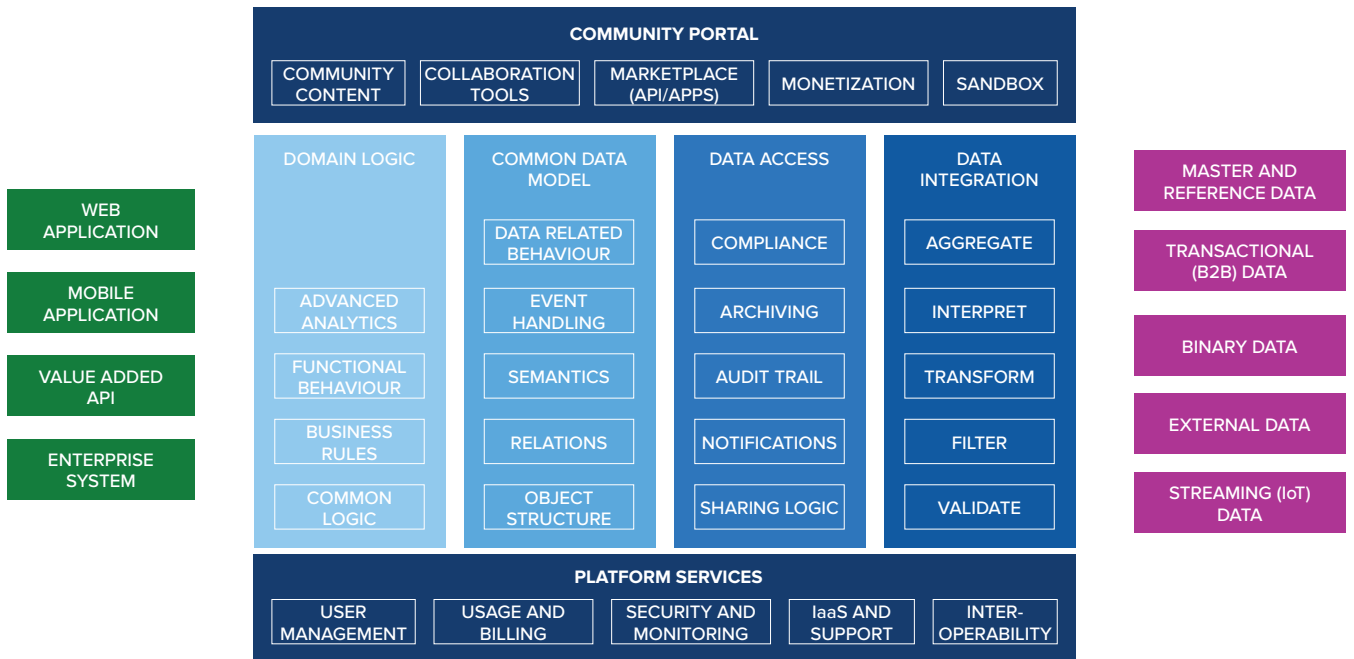
The NxtPort platform is a low entry barrier initiative (cost+) – benefits or "value at stake" falls within the industry.

NxtPort Ambition

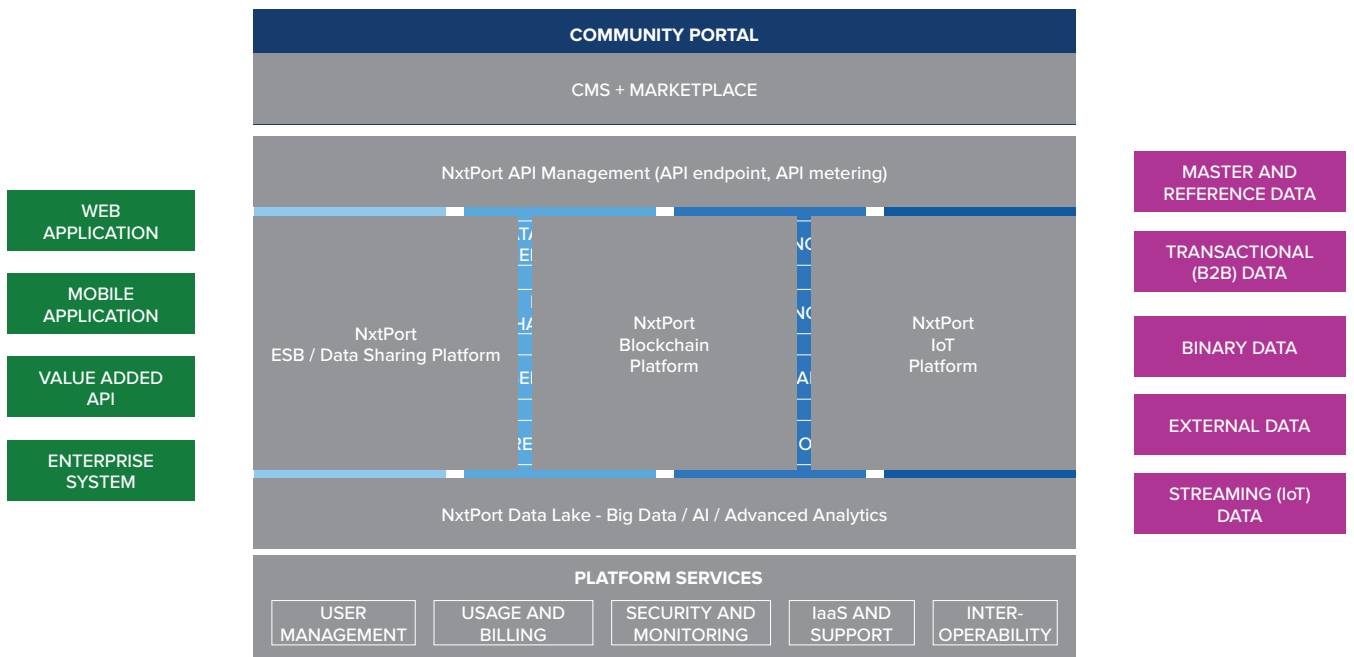
The ambition of NxtPort is to connect the data of the full sea port import and export flows of containerised as well as non-containerised cargo (RoRo, bulk and breakbulk). Logistics players can re-use data in their interactions with each other, with Port Authorities, Customs and verification / inspection bodies.

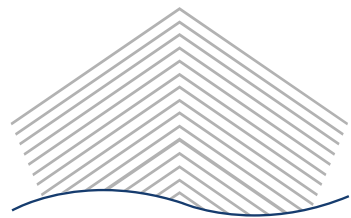
NXTPORT USE CASES						
Private sector interacting with ...	Port Authorities (BE)	Customs	Verification - Inspection	Private Sector	Other ports (Global)	Cargo Status
Import Cargo Information	Manifest Dangerous Goods Vessel information (ATA Vlissingen) Stay Information	Import manifest Customs declaration Customs Container Release Declaration reporting Document notification	Customs Scan Veterinary and phytosanitary inspection	Goods declaration with re-use of import manifest Commercial Container Release Container stripping order Order to load on truck / barge / rail Discharge and Load lists	Neal-net coupling ETA end to end eBL Cargo info from ports and shippers across the globe	Ready for customs declaration Ready for pick up Gate In Gate Out Scanned Inspected
Export Cargo Information	Manifest Dangerous Goods Vessel information Stay Information	Notification of Arrival Export Manifest	Customs Scan Veterinary and phytosanitary inspection	Booking BL DGN Packing orders (stuffing) CFS Truck weighing (VGM) Discharge and Load lists	Neal-net coupling ETA end to end eBL Cargo info from ports and shippers across the globe	Ready for pickup at warehouse On truck/rail/barge Gate In Gate Out On vessel Customs status
Transport Instructions (Landscape)	Status of bridges, traffic, connections, corridors, ... Statistics on transport modi and destinations	Bonded warehouse notifications	Additional stops for Customs Scan and inspections	Transport booking truck / barge / rail Pre-announcing at terminal Discharge and Load Orders to terminal Discharge and Load lists and confirmations Proof of delivery Container reuse Empty depot container pickup Reuse BTS data for prediction		Ready for pickup On truck/rail/barge Timestamps (expected/ actuals) In/out of physical & customs entrepot
Nautical	Stay Central terminal/vessel access data	Ship declaration (ISPS) Passenger & crew list Narcotics reporting Etc.	Port State Control inspections	Master data vessel / barge	Track & trace vessel	Track & trace vessel / barge
Supply Chain Security, Reliability and Visibility	Capital of Things	Green lanes	Food traceability cold chain Digitization of certificates	Secure Container Release Track & trace	Global track & trace	

NxtPort Architecture (Functional)



NxtPort Architecture (Technical)





NxtPort

Fosbury & Sons
Mechelsesteenweg 271 (1/1)
2018 Antwerp - Belgium
mail@nxtport.eu

 @NxtPortNews - #NxtPort
 www.facebook.com/nxtport
 www.linkedin.com/company/nxtport

For more info:
www.nxtport.eu