



Connect

Collaborate

Innovate



A new mission



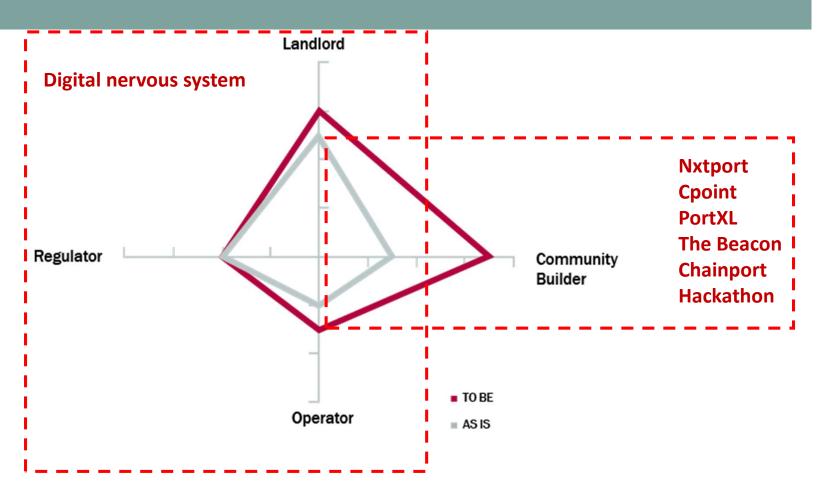
5 strategic priorities (2018-2020)

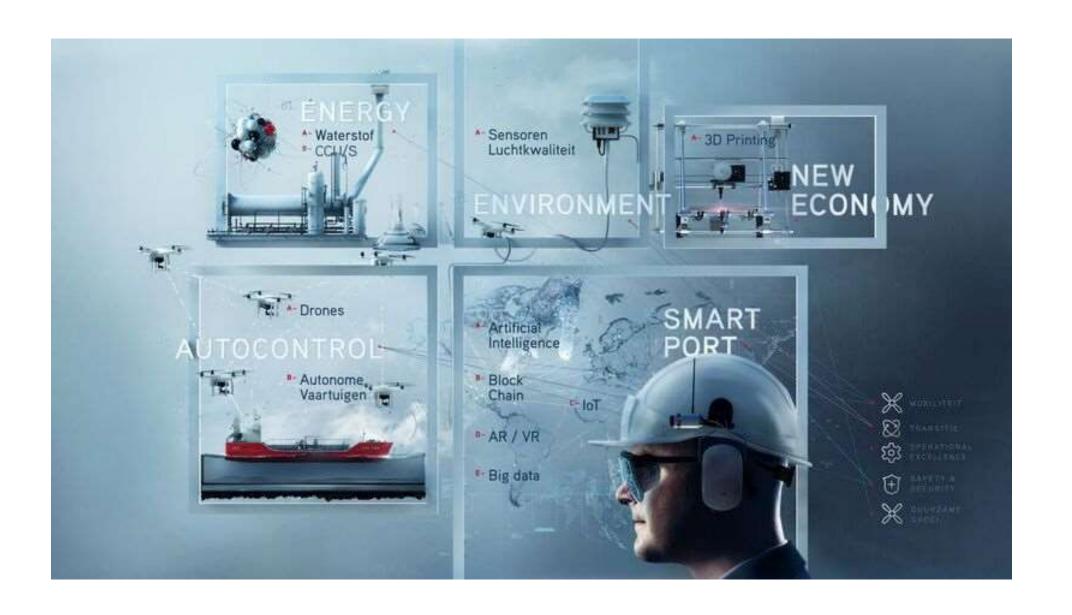


Strategic priorities & Technology drivers (2018-2020)

Domain	Theme	Sustainable Growth	Mobility	Transition	Safety & Security	Operational Excellence
ENERGY	CARBON CAPTURING & STORAGE					
	HYDROGEN					
ENVIRONMENT	SENSORS (eg. air quality)					
NEW ECONOMY	3D PRINTING					
AUTOCONTROL	SMART SHIPS					
	DRONES					
SMART PORT	INTERNET OF THINGS					
	AUGMENTED / VIRTUAL REALITY					
	BLOCKCHAIN					
4	ARTIFICIAL INTELLIGENCE					
	BIG DATA (NxtPort, Cpoint)					

The Port Authority is focussing strongly on Community building

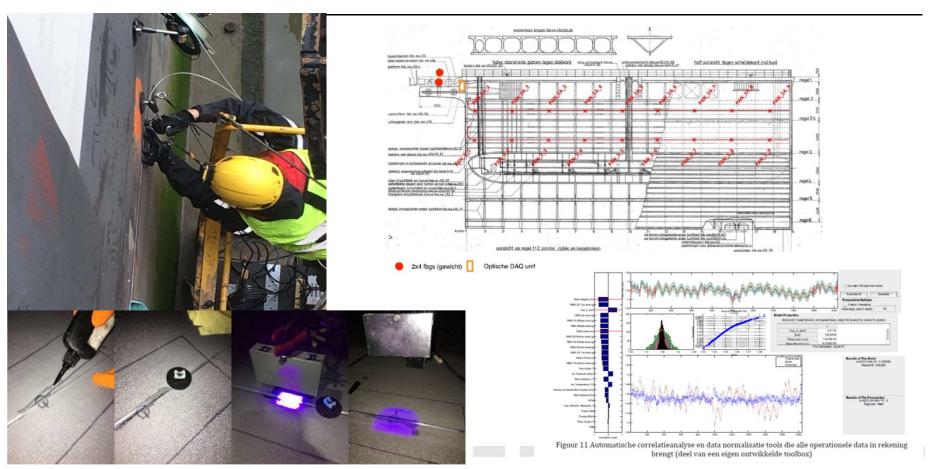


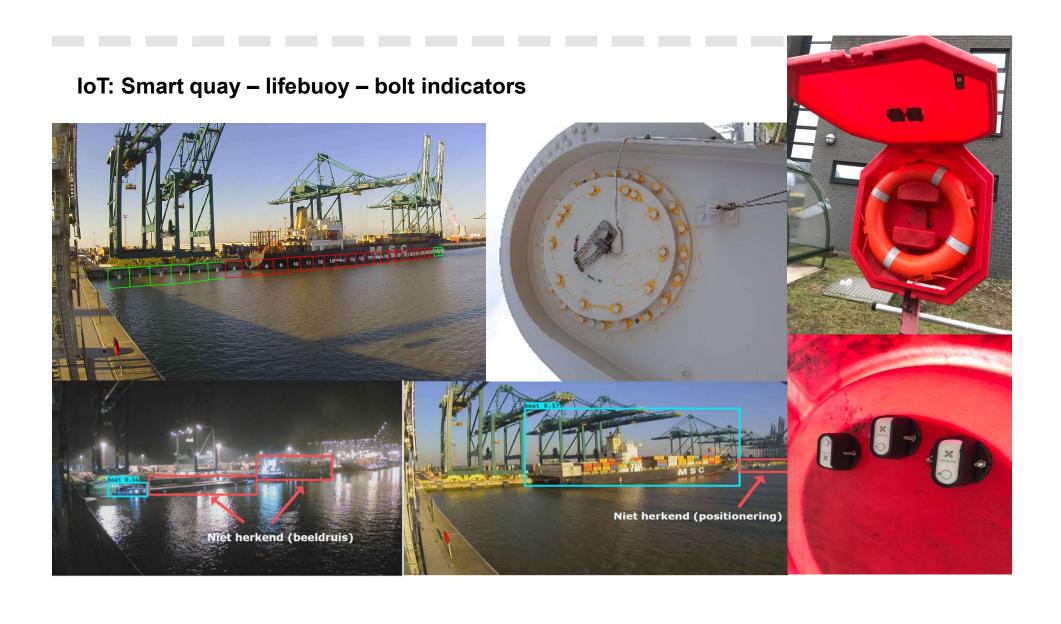




IoT lockdoor Kallo

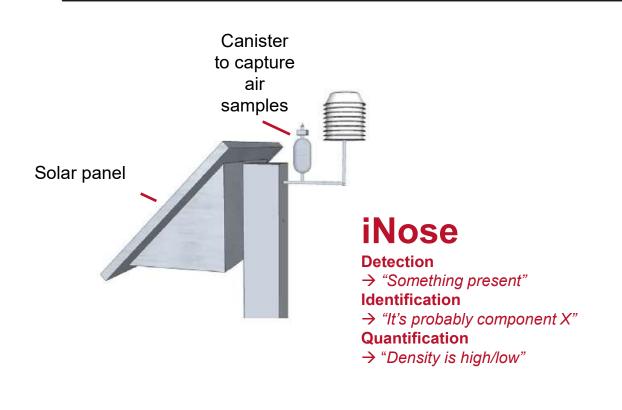






iNose: intelligent electronic nose

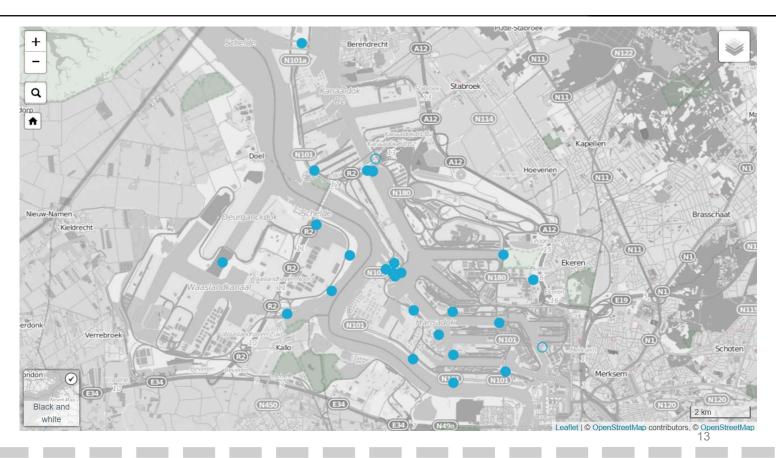






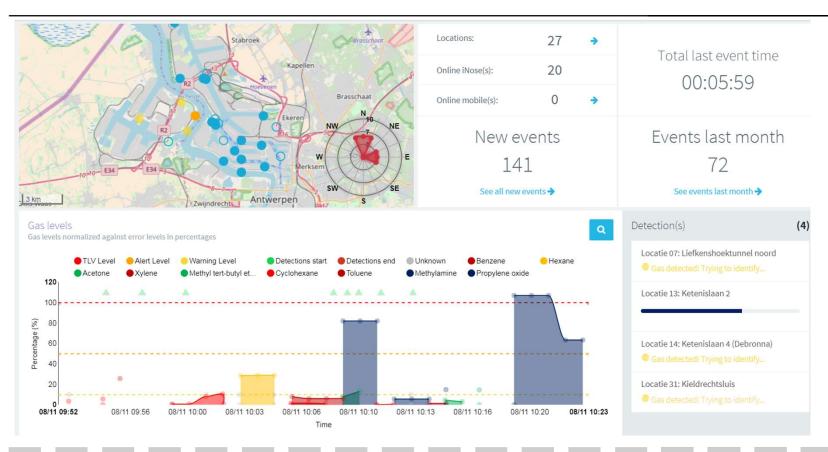
25 iNoses in Port of Antwerp





iNose: Events





THE BEACON

- Location: Tolhuis (= city center, close to port) 12.500 m²
 => opening september 2018
- International IoT ecosystem & Physical office hub
 - Startups & scaleups
 - Technological corporates (IoT business development teams)
 - IoT research labs (University of Antwerp & imec)
- Focus:
 - Product development IoT applications
 - IoT research valorisation
- Dedicated Management & Consultancy Services
 - co-financed by Capital of Things & AGORIA
 - Attracting complementary IoT companies

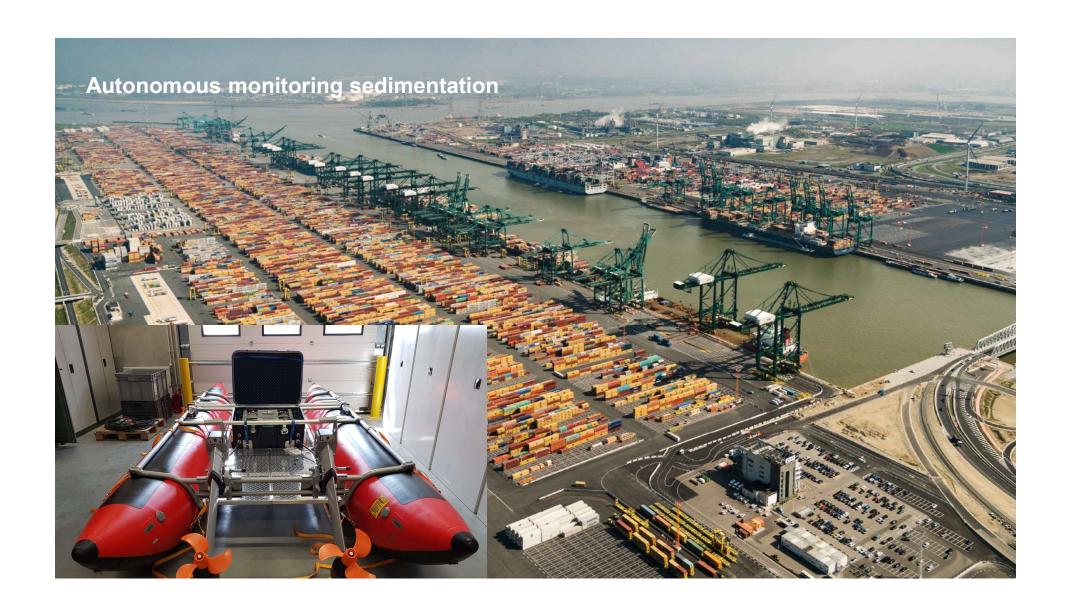




De Tuimelaar (Length: 14m)













Port of Antwerp deploys autonomous depth-sounding boat

SupplyCain Dive - Autonomous workboat navigates by cloud data in the Port of Antwerp



Schifffahrt: Autonomes Peilboot in Antwerpen

Neuartiges Boot navigiert über die Cloud und misst die Wassertiefe im Hafen.

Maritime Quote - A first for the port of Antwerp: innovative autonomous sounding boat with unique technology

17 August 2018

A smart port thanks to innovative technology: that's what the port of Antwerp is fast becoming.



Port of Antwerp unveils prototype sounding boat



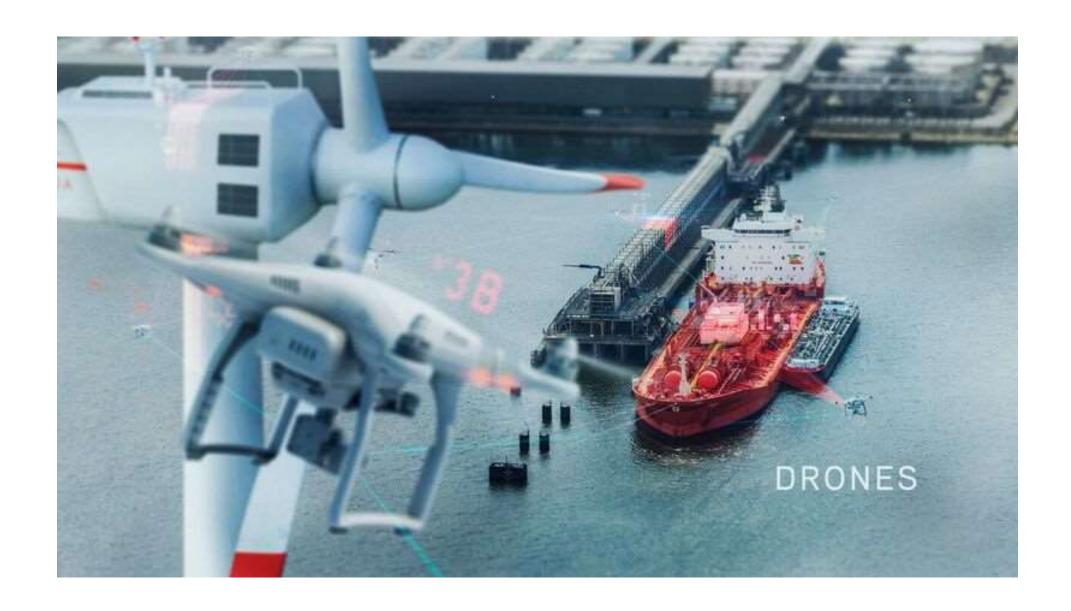
Antwerp testing autonomous vessel



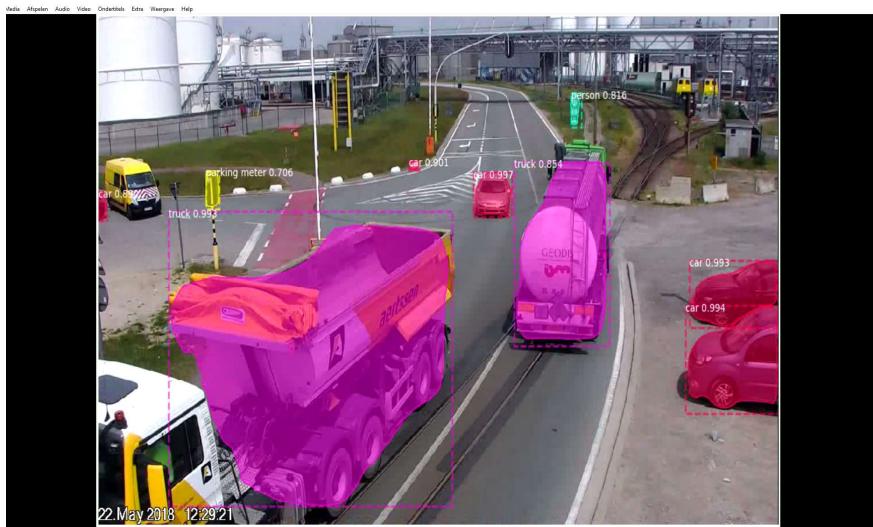
Hafen Antwerpen: Innovatives autonomes Peilboot mit einzigartiger Technologie



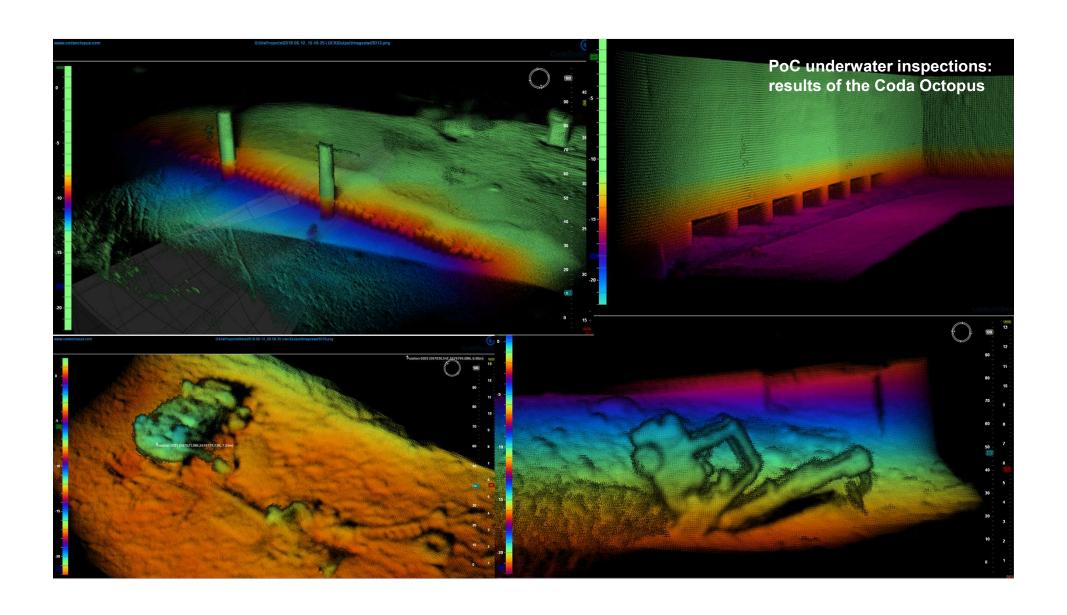
Antwerp Introduces Autonomous Sounding Boat





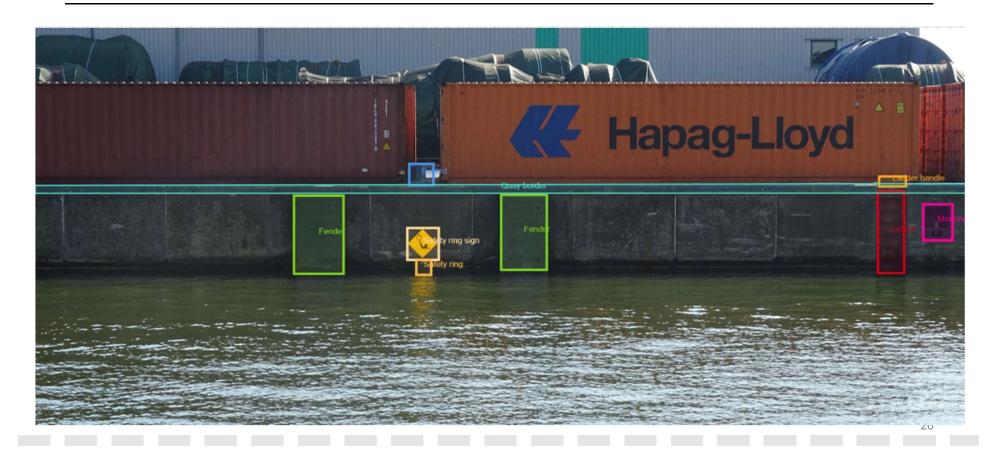


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PoC Image processing: inspection quay walls (ladders, fenders...)







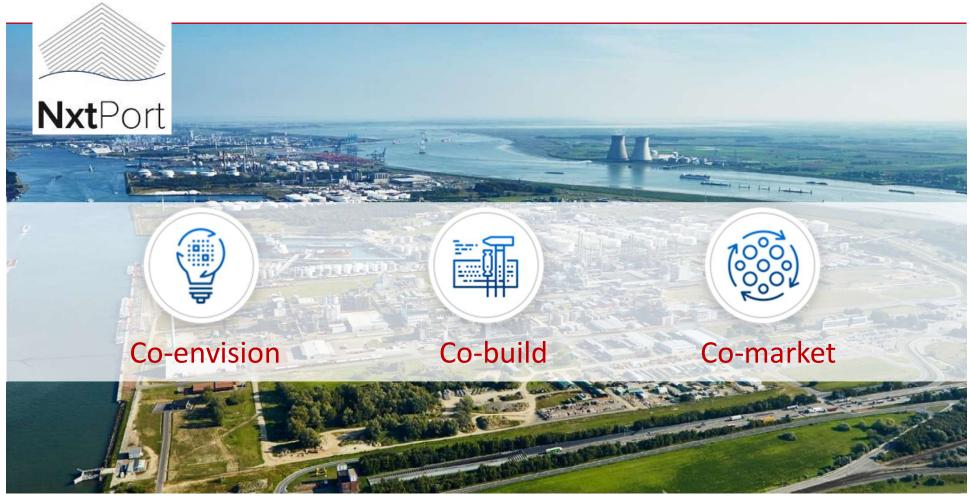
WELCOME TO PORTXL ANTWERP!

1000 START-UPS SCOUTED, 22 ACCELERATED, 64 CONTRACTS SIGNED, 3RD YEAR RUNNING...AND NOW DOCKED IN ANTWERP

Antwerp is one of the most innovative and vibrant maritime and logistics hub in the world. With a large diversity of economic activities in all sectors related to ports, it has the ambition to remain the leading port in the future. Topics like digital logistics, blockchain, sustainability and Harbour of Things are all focus areas for this vibrant hub. The PortXL program accelerates maritime, logistics, energy and chemical & refinery start-ups in all these domains together with an ecosystem of corporates.

PortXL is launching it's Antwerp program, with Port of Antwerp Authority as one of the first partners, in 2018. The aim is to scout and accelerate international and Belgium

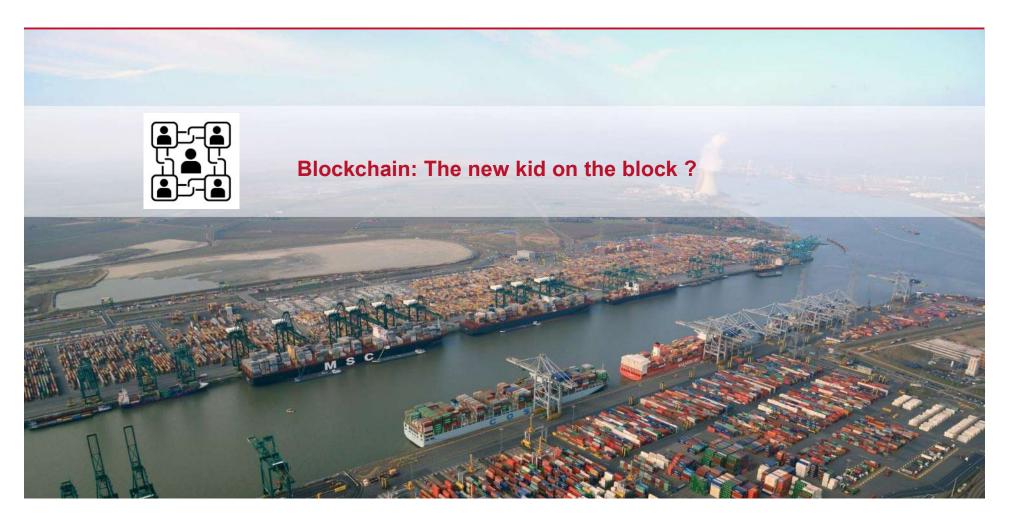
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Proof of Concepts tested in blockchain environment



- Secure Container Release (secure container pickup, without pincode)
- Exchanging **Phytosanitary Documents** (apple trade between New Zealand and Port of Antwerp)
- Supporting the International Port Community Systems Association (IPCSA) in their PoC for Bill of Lading







Oct 11-13 2018 Antwerp Expo

www.chainporthack.com

Themes for the ChainPort Hackathon

More info at www.chainporthack.com



MOBILITY

INTER PORT

SECURITY

PROCESS &
DOCUMENT FLOW

SUSTAINABILITY



Create an efficient and sustainable modal shift



Share data between world ports



Security in and around the port



Digitalization in supply chain processes



Data as extra energy source for the future

Augmented reality





















Port of Antwerp





