

Opportunities

Port+ Team 1

What do you already have? (8 minutes)

What are the unique resources you already have?
What do you already know? What are your strengths?



Wind

UA: Digital Shadow/Twin architectures	UA: multi* modelling and simulation			



Harbor

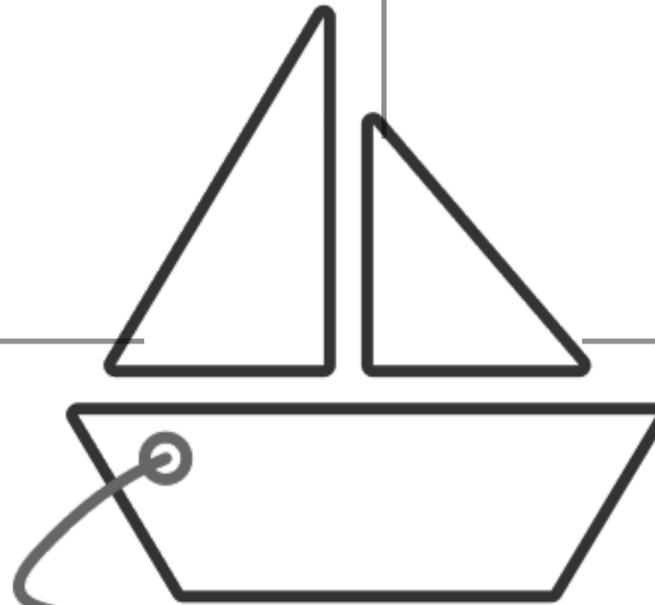
Where would you like to go? (10 min)

How will you feel when you get there? What are the potential gains? Give a name to your harbor of destination!

Less waste of time	Sustainability	Less waste of money	Better planning efficiency	Strategic collaboration with relevant stakeholders
Resilience	Better communication	Planning uncertainty		

What is still holding you back right now? (8 min)

What expertise / people / resources do you still miss to go forward?



Anchor



Icebergs

What threats do you need to tackle? (8 min)

What do you fear? What / Who is getting in your way?

Uncertainty		Missing data (manual or unlogged)		



Unknown activities

Opportunities

Port+ Team 2

What do you already have? (8 minutes)

What are the unique resources you already have?
What do you already know? What are your strengths?



Wind

Port+: Administrative data from the port community system (nautical data, planning data from stakeholders, ERP data)	Port+: Technical backbone/data platform where we can ingest the data.	Port+: Rule engine to match the different data to the right port call	Port+: access to port community system data	Historical nautical data (ETA, time of arrival)
Port+: Prediction of ETA at berth (but could be improved)				
IDLab: hybrid digital twins	IDLab: multi-agent simulation	IDLab: Graph-based forecasting	IDLab: optimized scheduling and planning (e.g., Novimove, AI4FI)	

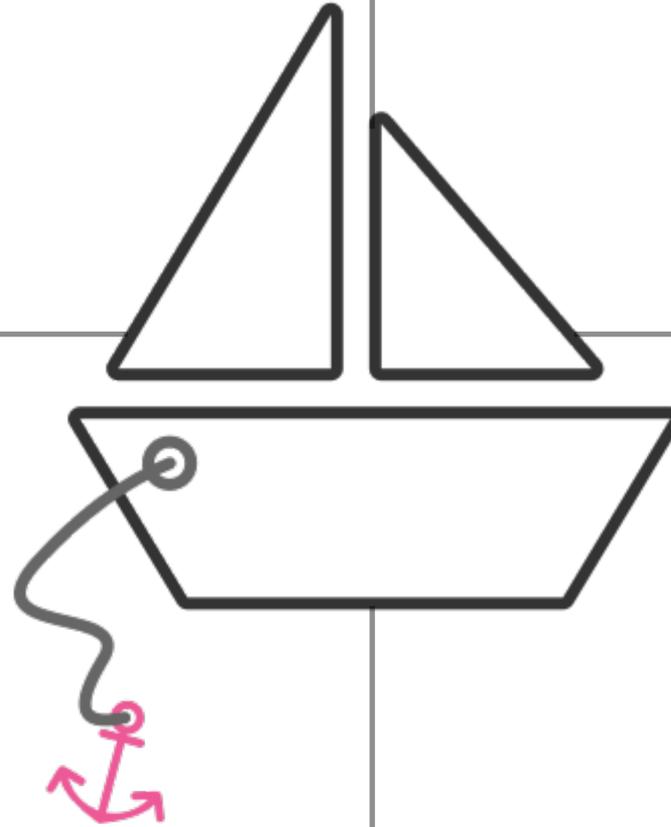


Harbor

Where would you like to go? (10 min)

How will you feel when you get there? What are the potential gains? Give a name to your harbor of destination!

Predictability of scheduling (port stay of tanker)	Take into consideration all the factors: scheduling, arrivals, ETA of vessel (entered at terminal, so not just loading), when will vessel A leave and make room for vessel B arriving at same dock, planning... Potential benefits offer for every stakeholder (multi-objective problem)	Get insight into the planning and actual timestamps of all stakeholders (end-to-end data integration)	Digitize and automate the planning process (now manual)	Ship operators, charterers: Virtual notice of readiness (odot speed so vessel arrives just in time, save on fuel & emissions)
Data captured directly from vessel (or ship operator) for improved prediction				



Anchor

What is still holding you back right now? (8 min)

What expertise / people / resources do you still miss to go forward?

Not all data is available/connected yet! (Chronoport is working on that)				



Icebergs

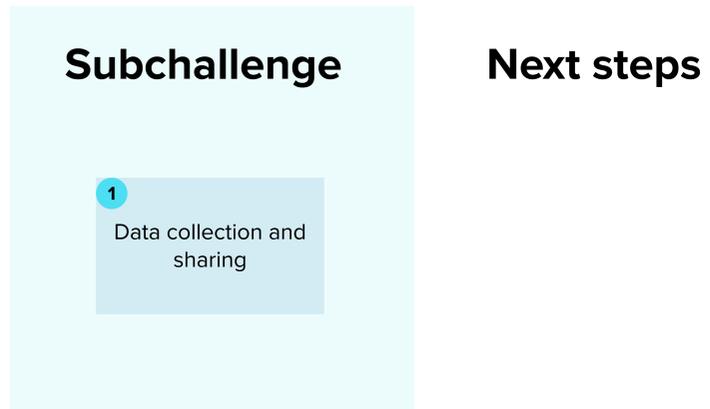
What threats do you need to tackle? (8 min)

What do you fear? What / Who is getting in your way?

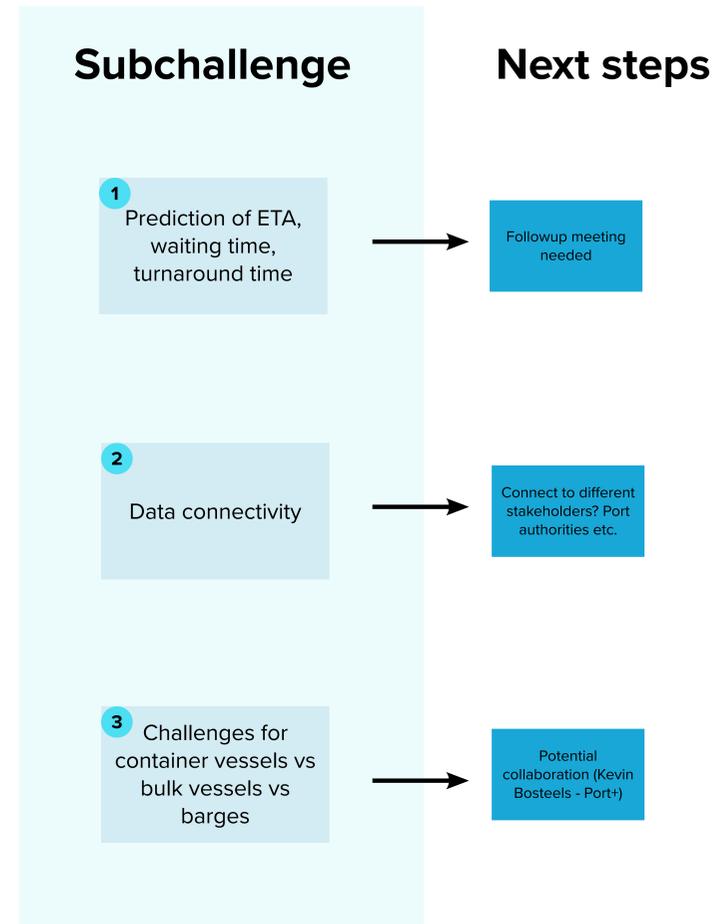
Complex problem due to dependencies between scheduling of all the stakeholders	Getting live and accurate data of all stakeholders (is it accessible?)			

Next steps - Port+

Team 1



Team 2



Opportunities

Ahlers Team 1

What do you already have? (8 minutes)

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expertise	KPI-based grouping			
existing software that can build optimization models	Data Entry Assistant (DigiTrans) - tool to help to read and interpret data (real-time)			
	SyfaDel (mec, UA...), project proposal to develop a prototype for synchronical and digital twin solutions, interesting to join board and steer solutions			



Where would you like to go? (10 min)

How will you feel when you get there? What are the potential gains? Give a name to your harbor of destination!

simulation and optimisation as a service	data and tech to react more proactively	more recurring revenue stream	product that can enable scenario analysis (at global level)	platform instead of project
digital twin for multiple clients	Dynamic modelling language for creating digital twins			

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What expertise / people / resources do you still miss to go forward?

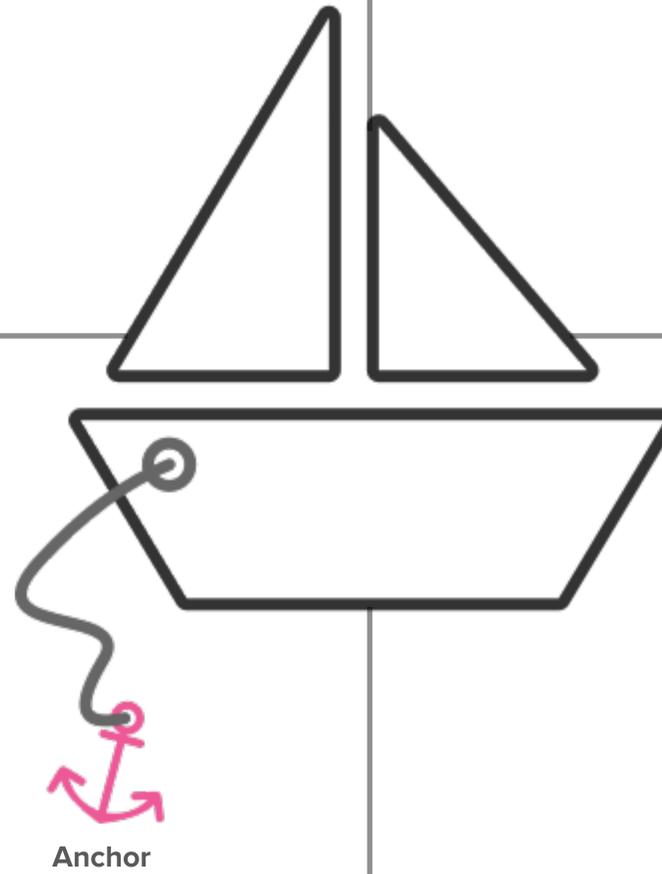
inventory at low as possible	focus on pure transport of the clients	focus on services (quality) and not necessarily on cost		
multiple optimums	overhead of digital twin per customer	lack of a concrete business model		
connecting to live data on customer side (ERP) and link it to live data	the issue of creating a digital twin model for each client	ad-hoc data gathering		



What threats do you need to tackle? (8 min)

What do you fear? What / Who is getting in your way?

How do you commercialise and monetize these services, define a business model	lack of expertise / experience in the field	Cost vs scalability of real time live data	mixing data of multiple companies	Security of IoT data transfer



Opportunities

Ahlers Team 2

What do you already have? (8 minutes)

What are the unique resources you already have?
What do you already know? What are your strengths?



Wind

Klanten ERP data	Lineaire constraint solver voor klanten rekening houdend met kosten, seasonality, ...	Machine vision platform to build AI models	Prewave publieke data	
IDLab: Dynamic dashboards that visualize what is needed to interpret event	IDLab: hybrid AI methodologies			



Harbor

Where would you like to go? (10 min)

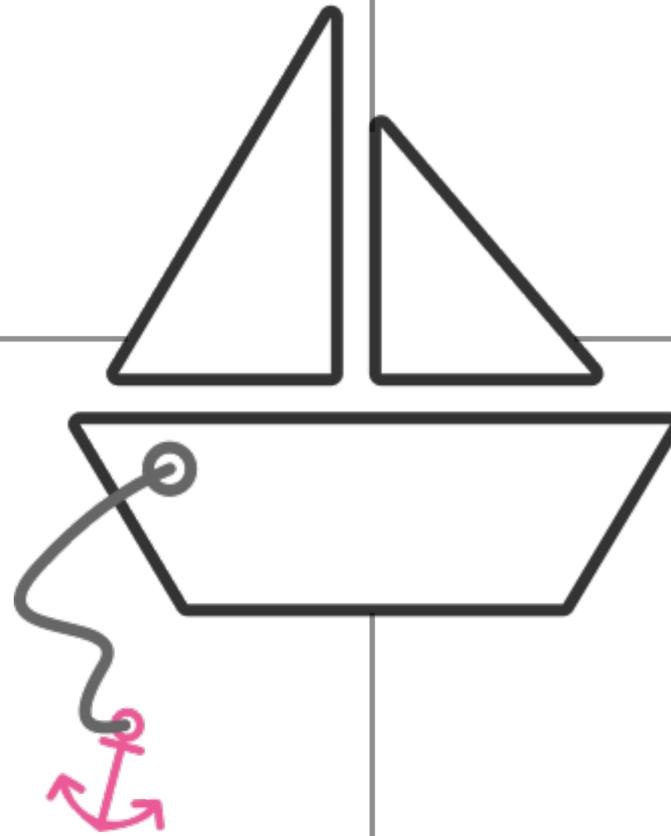
How will you feel when you get there? What are the potential gains? Give a name to your harbor of destination!

Forecasting van wijzigende prijzen of grotere vraag toevoegen aan model	Scalable production idea (material handling of QC oriented)	Prewave alerting based optimized forecasting - wat is impact van alert op mijn process?		

What is still holding you back right now? (8 min)

What expertise / people / resources do you still miss to go forward?

Proces bij klant is nog niet volledig uitgewerkt	Structured data ingestion			
(hardware) partner to co-develop a solution	Diverse ERP systems			



Anchor



Icebergs

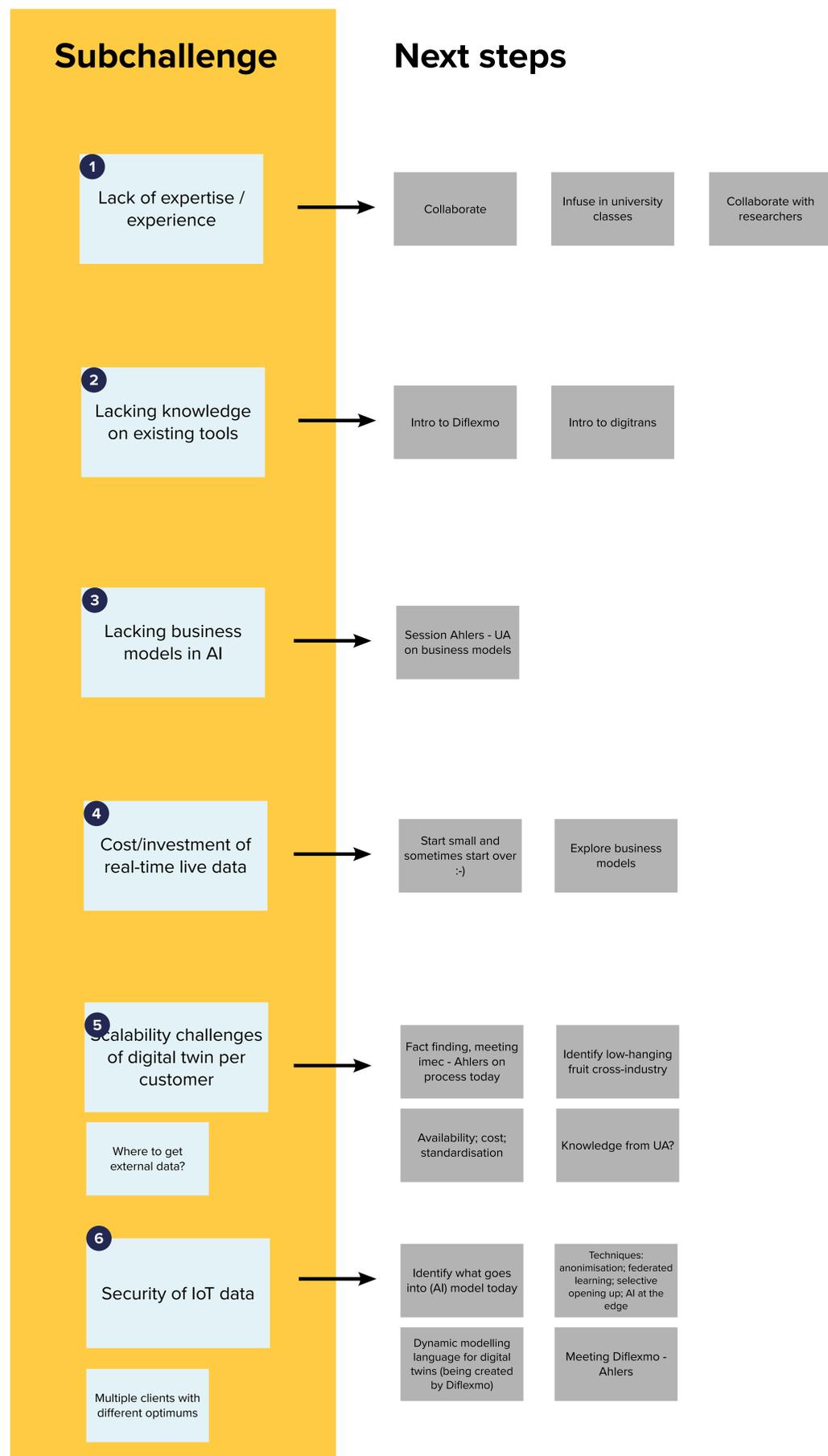
What threats do you need to tackle? (8 min)

What do you fear? What / Who is getting in your way?

Customer too unfamiliar with AI possibilities	Gebrek aan CRP systeem bij klant	Global solution needed instead of splitted solution blocks now		

Next steps - Ahlers

Team 1



Team 2

