

AUTOSHIP

mous Shipping Initiative for European Waters



AUTOSHIP: Demonstrating autonomous ships in Europe

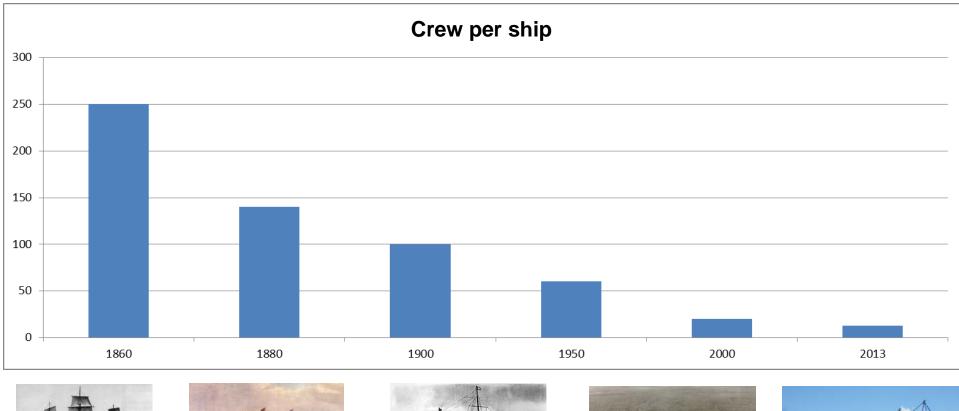
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Why autonomous ships?

















Dirty: Cargo handling



Dull: Slow steaming over long distances



Dangerous: Mostly occupational hazards, but also ship accidents

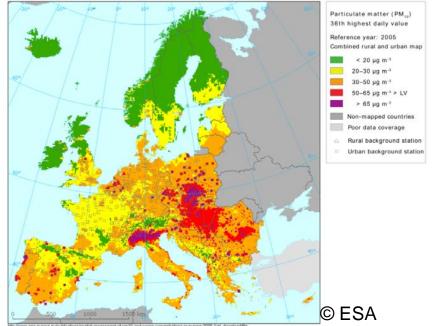








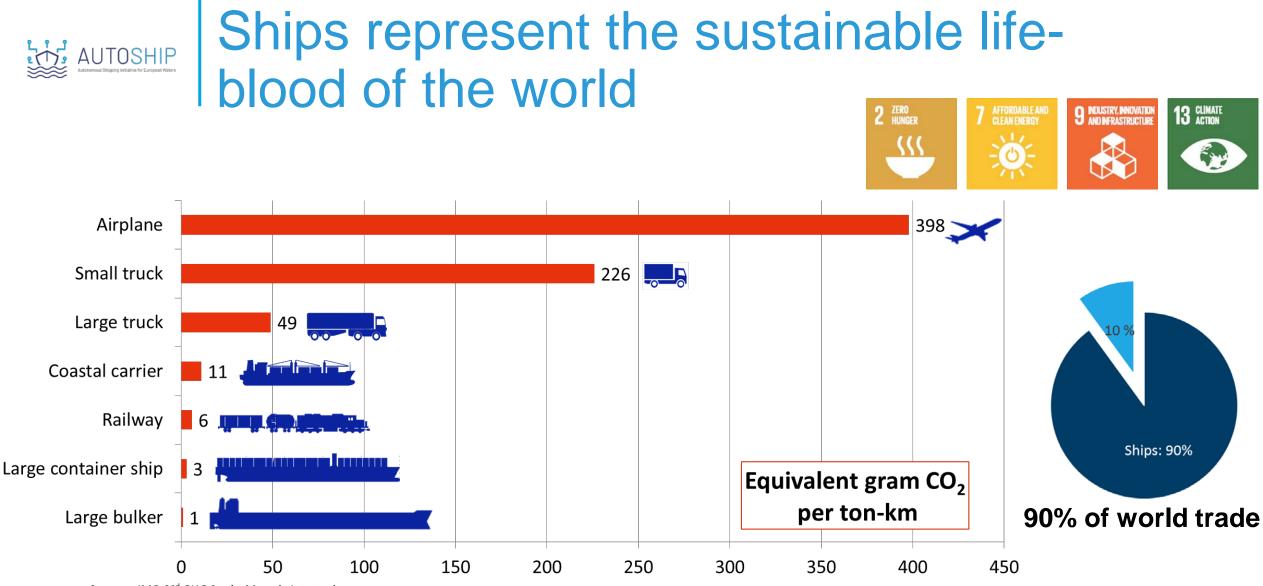
Reduce congestion and investments



Reduce noise Reduce emissions, dust and particulate matter







Sources: IMO 2nd GHG Study, Maersk, Intertanko

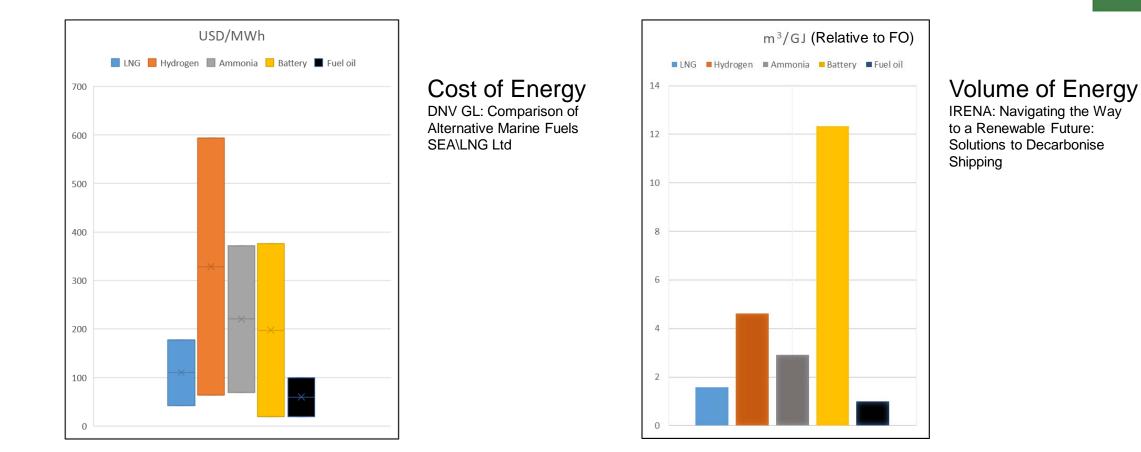






... but must still meet climate goals

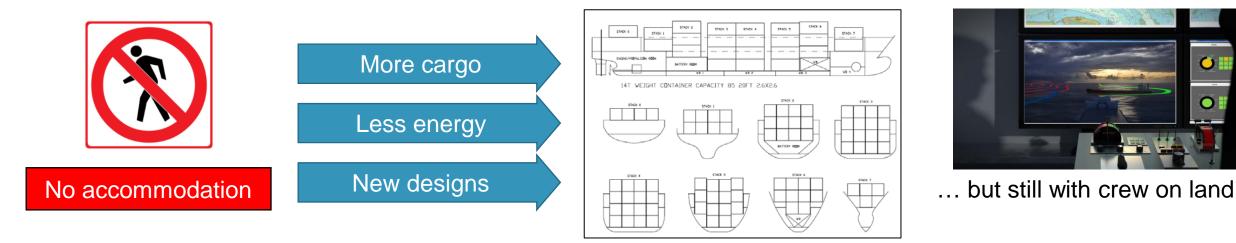








Autonomous ships provide new opportunities









Smaller and more flexible





Why AUTOSHIP?









AUTOSHIP will develop Key Enabling Technologies to TRL 7

	Situational Awareness / Perception	Automated Navigation System		High availability machinery & Intelligent Asset Management Systems Hierarchical Alert & Energy Management	
	All-speed Dynamic Positioning	Connectivity and Cyber Security			
	Remote Control	Operators stations			
	Logistics systems		Predictive Condition Monitoring & Preventive Maintenance Support		
Artifical Captain"				"Artificial Chief Engineer'	





... and demonstrate on two real world use cases





Inland Waterways – Pallet Shuttle Barge



Demonstration in Belgium, but with a view to other jurisdictions.









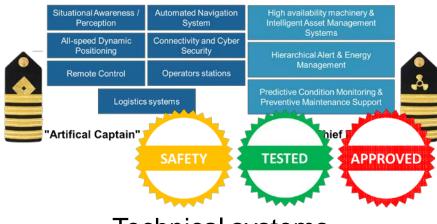
This case will also be prepared for ship transit to Denmark (International)





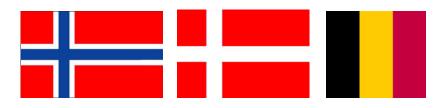


... including proof of concept



Technical systems





National approval for operations



Cost-benefit analysis





Total Budget EUR 29,5M EU EUR 20,1M

www.autoship-project.eu



















https://www.autoship-project.eu/



