



North American Marine Environment Protection Association

NAMEPA

CARLEEN LYDEN WALKER, CEO & Co-Founder, NAMEPA

TECHNOLOGY FOR SUSTAINABLE PORT MANAGEMENT

BRIDGING MARITIME COMMERCE AND CONSERVATION



NAMEPA's Origin



Why do ports, shipping companies join?



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THE PLASTICS PROBLEM

ACTION STEPS FOR A PLASTIC-FREE OCEAN

- Reduce, Reuse, & Recycle**
Choosing to reuse, thereby reducing our individual waste, we could significantly slow the tonnage of plastic and waste that is floating into our waterways. Recycling keeps waste out of landfills and incinerators, cutting back on greenhouse gas emissions.
- Refuse & Repurpose**
Refusing single-use plastic and repurposing waste that cannot be recycled is a cost-effective strategy to save our seas.
- Cleanups**
There are over 525 billion pieces of trash in the ocean. Keeping our beaches clean is essential to making sure our seas stay free of pollution and protecting marine life from harmful objects and materials.
- Take the Plastics Pledge**
Help decrease your contribution to ocean pollution by reducing your plastic consumption, taking small steps every day!



DO YOU KNOW WHERE YOUR LITTER IS?

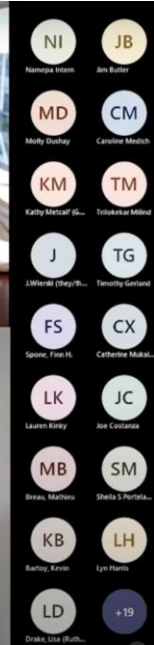
RIGHT WHERE YOU LEFT IT — FOR YEARS

Six-pack holders - 400 YEARS	Cigarette Butts - 1-5 YEARS
Orange & Banana Peels - 2-5 WEEKS	Balloons - 6 MONTHS
Plastic Containers - 50 YEARS	Plastic Coated Paper - 3 MONTHS
Leather - 30-40 YEARS	Plastic Bags - 10-20 YEARS
Nylon - 600 YEARS	Aluminum Cans - 50 YEARS
	Glass Bottles - 1,000 YEARS

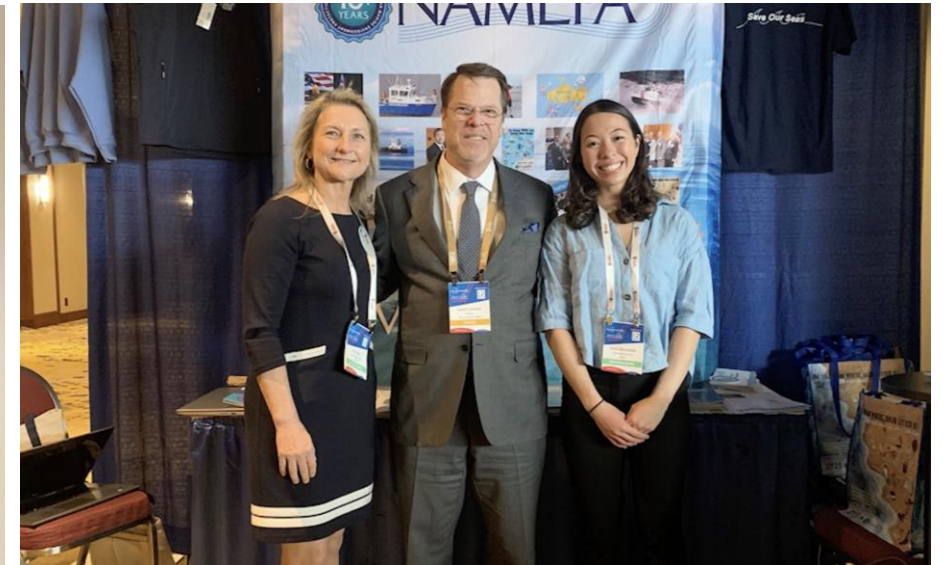
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Education



Partnerships



Regional focus



Engaged in today's issues



Sustainability



Environment, social, governance (ESG)



MARITIME SUSTAINABILITY PASSPORT® (MSP) PROGRAM

Empowering a Sustainable Future for the Maritime Industry

CONGRATULATIONS!

MARITIME SUSTAINABILITY PASSPORT (MSP) RE-CERTIFICATION

THE AMERICAN P&I CLUB

CONGRATULATIONS!

MARITIME SUSTAINABILITY PASSPORT (MSP) CERTIFICATION

THE PASHA GROUP



Workforce development



Common denominator for global maritime



Shipping to meet net zero carbon by 2050



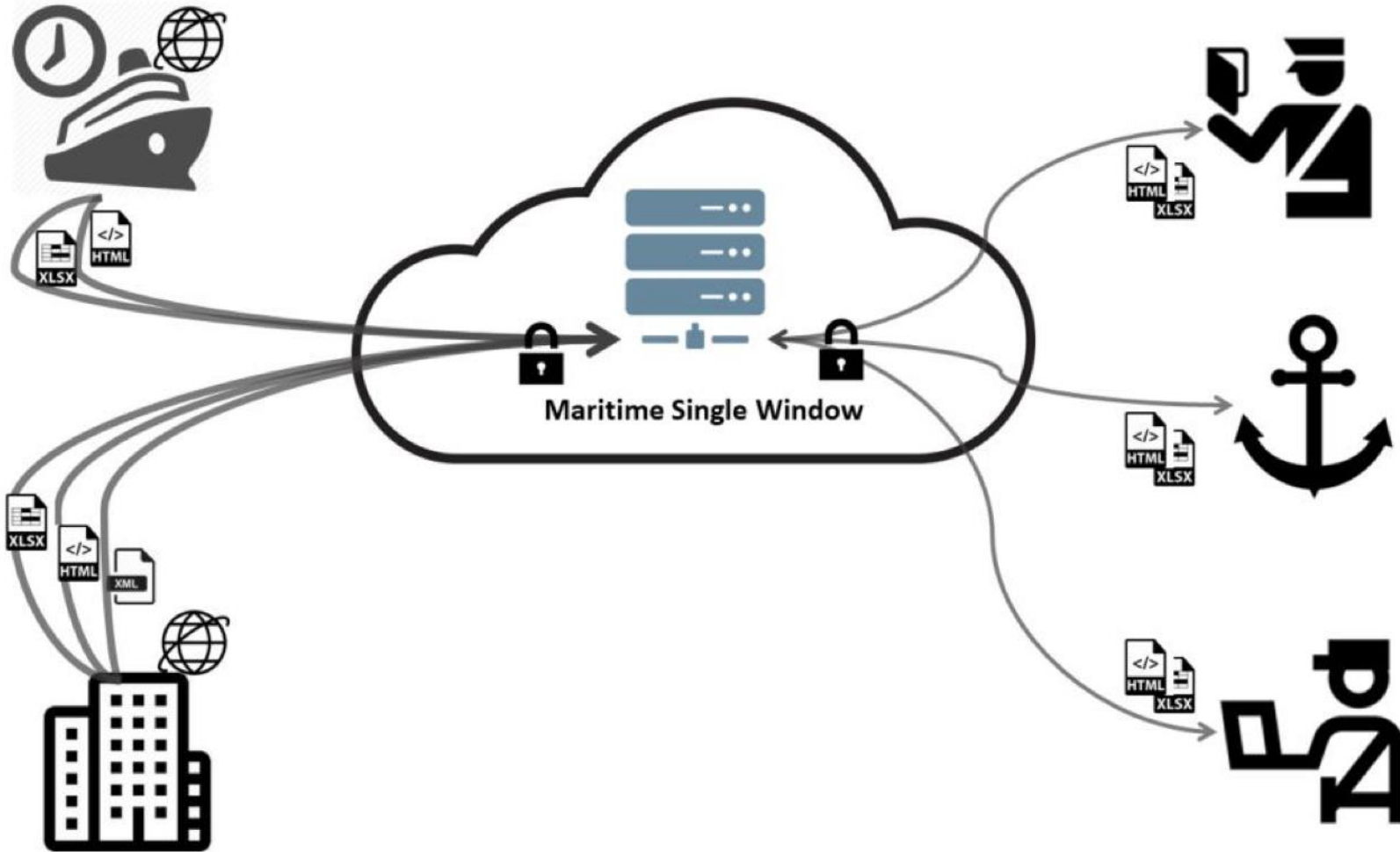
Future fuels

(LNG, Hydrogen, Ammonia, Methanol, Battery, Nuclear)

Requires infrastructure supply and shore power



Digitalization



Measurement, tracking and reporting



Communications



Facilitating change – Green Shipping Corridors



Collaboration is the most important technology!



SWOT for Change - Interactive



Strengths

Weaknesses

Threats

Opportunities



North American Marine Environment Protection Association

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Reach out to us!

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