Global reach – local competence

Stiftelsen Det Norske Veritas is a free-standing, autonomous and independent foundation whose purpose is to safeguard life, property and the environment.

150+ years
100+ countries
100 K+ customers
12,000 employees
5% R&D of annual revenue

MARITIME
Hamburg, DE
Electric and hybrid ships

OIL & GAS
Oslo, N
Offshore hybrid power plants, vessels, subsea storage

ENERGY
Arnhem, NL
Grid, Microgrid, Behind the Meter, and Aggregated

BUSINESS ASSURANCE
Milan, IT

DIGITAL SOLUTIONS
Oslo, N

Energy Storage Across Sectors
Battery Development in Ships

Total number of ships with batteries
- In operation
- Under construction
- Unknown

Maritime Battery Forum

DNV GL’s Alternative Fuels Insight: www.afi.dnvgl.com
Washington Maritime Blue Vision

Washington State will be home to a world-class, thriving, and sustainable maritime industry by 2050

Create a **Strategy** for accelerating the BLUE economy, technology innovation and sustainability in Washington’s maritime industry.

Formalize the **Cluster Organization** to implement the Blue Strategy as a public-private partnership & focal point for communications, joint industry projects, training, & capital investment.

Establish a **Maritime Innovation Center** for R&D and commercialization of innovation technology through public/private partnerships.
Key Demonstration Projects

Pathways
- Deep Decarbonization
- Blue Innovation
- Working Waterfronts
- Workforce Development
- Cluster Coordinations

Demonstration Projects Chart the Course to Achieving the Vision
- Ferry Electrification
- Alt Fuel JIP’s & case studies
- Infrastructure Planning
- Emissions Tracking
- West Coast Emission Targets
- Charging Infrastructure
- Orca Safe JIP
- Modernized Terminals
- Blue Carbon Offsets
- Expanded Registered Apprenticeships
- Sustained Funding
- Institutionalized Cluster Organization
- Blue Finance
- Blue Force
- Blue Forward
- Community Workforce Forum
- Integrated Workforce Website
- Skills Demand Forecasting
- Infrastructure/Transport Strategy
- Port Incentives
- Future Workforce Summit
- Innovation Center
- Microalgal Demonstration
- Fish Boat JIP
- 100% Fish Utilization
- Common Data Platform
- Shared Data Platform

VISION
World-class, thriving and sustainable Washington maritime industry by 2050.

Department of Commerce
Catch the wave

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#WaMaritimeBlue

www.dnvgl.com

Thank you!