

ESG⁺

AREAS OF IMPACT

- 1. Port Operations Optimization
- 2. Machine learning (AI) & Simulation
- 3. Realtime Transparency of Supply Chain
- 4. Informed data-driven decision making
- 5. Increased all-around **Safety & Resilience**
- 6. Sustainability & GHG Emissions
- 7. Commercial Impact \$\$\$

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Port Optimization

- Economic Impact
- ❖GDP impact
- **❖** Employment
- Knowledge & Expertise
- Maritime cluster & ancillary development
- Strategic Security

SCHEDULE OPTIMIZATION

(Project Sequencing)

Constraint: Timing and Dependencies

WORK TYPE OPTIMIZATION

(Portfolio Balancing)
Constraint: Categorical Designations

RESOURCE OPTIMIZATION

(Resource Capacity Analysis)

Constraint: Human resource availability

COST-VALUE OPTIMIZATION

(Efficient Frontier Analysis)

Constraint: Budget

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GHG Emissions

- *Realtime data
- Opportunity to "maximize sustainability"
- Optimized Commercial Resilience
- Knowledge sharing & education
- Transparency, data analytics & research







Questions ???

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Thank you I

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