



Fraunhofer Institute for Intelligent
Analysis and Information Systems IAIS

Future-Ready Ports

Identify risks. Act decisively.



Identify what matters. Prioritize what works.

What ports are facing today

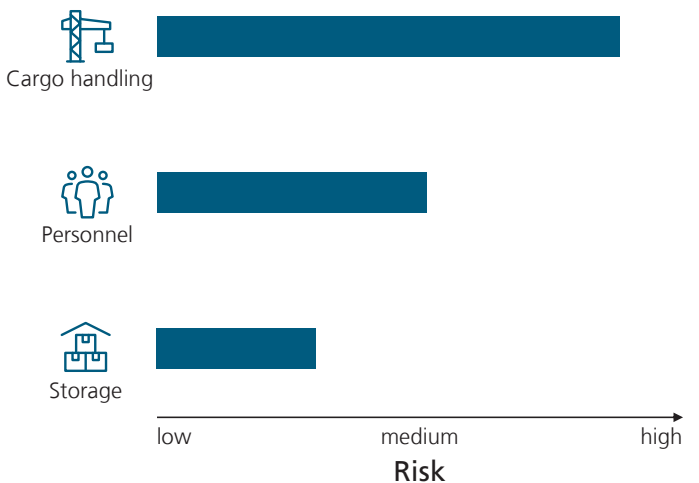
Ports are confronted with a complex risk landscape. Climate change, geopolitical tensions and economic shifts affect cargo handling, facilities and operations. Ports are tightly connected to roads, railways and waterways – disruptions there have immediate consequences for the port itself. This makes managing risk more demanding than ever.

What matters now

To stay capable of acting in this environment, you need to understand the risks and external dependencies that genuinely matter. Measures must be implemented where they mitigate risk effectively and deliver the greatest benefit. This allows you to steer investments with precision and create competitive advantage – while at the same time generating value for tenants and port users.

How we support you

We help you identify the hazards that are truly relevant for your port. From there, we determine the consequences for facilities, cargo handling, logistics and operations, and develop measures that effectively reduce risk. We work closely with your specialists on site, ensuring that the results are robust and directly implementable.



It can be done

Fraunhofer IAIS

Through innovative approaches and interdisciplinary research, we provide robust strategies to strengthen resilience and minimize the negative impacts of climate change, natural hazards and other threats. We connect climate change adaptation, disaster risk management and climate change mitigation, while taking sustainability into account, in order to safeguard the long-term social, ecological and economic well-being of society. Within Fraunhofer IAIS, experts from the natural sciences, engineering and economics work closely together on your behalf.

Our approach

Business Impact Analysis

We map your port's core processes, facilities and external dependencies, and assess their importance for cargo handling, logistics and operations.

Hazard analysis

We determine which hazards are relevant for your port, taking into account every site and its specific characteristics.

Risk assessment

We analyze how likely hazardous events are to occur and how severely they would affect your port.

Measures planning

We develop effective measures, prioritize them and derive a concrete implementation roadmap.

Your benefit

You know which risks exist for your port and which measures need to be taken. This allows you to steer investments purposefully and strengthen your competitive position.



Interested?

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