AI APPLICATIONS IN PORTS

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AI APPLICATIONS IN PORTS

Artificial intelligence (AI) : Analytical models that generate predictions, rules, answers, recommendations, or similar outcomes to solve complex problems .

Artificial Intelligence applications (AI) at ports are aiming to synchronize processes within the port ecosystem leading to improved efficiency, safety, and environmental benefits, including improved air quality and lower greenhouse gas emissions .

AI Applications are very much related to technologies like IoT, 5G and data sharing platforms.
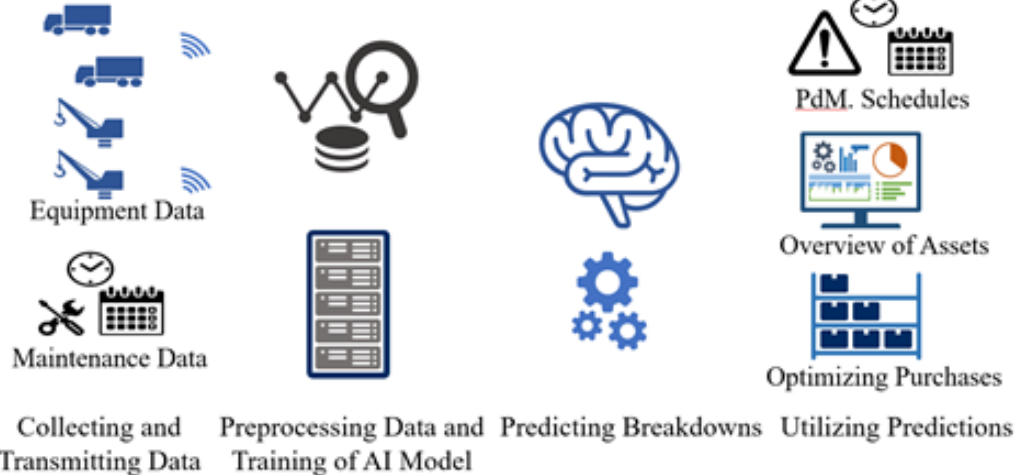
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APPLICATION EXAMPLES, COREALIS

COREALIS PREDICTOR , Predictive maintenance

Piraeus, Greece

Equipment Data

Maintenance Data

Collecting and Transmitting Data

Preprocessing Data and Training of AI Model

Predicting Breakdowns

PdM. Schedules

Overview of Assets

Optimizing Purchases

Utilizing Predictions

- Increase the total operation time of the equipment and contribute to predictive maintenance
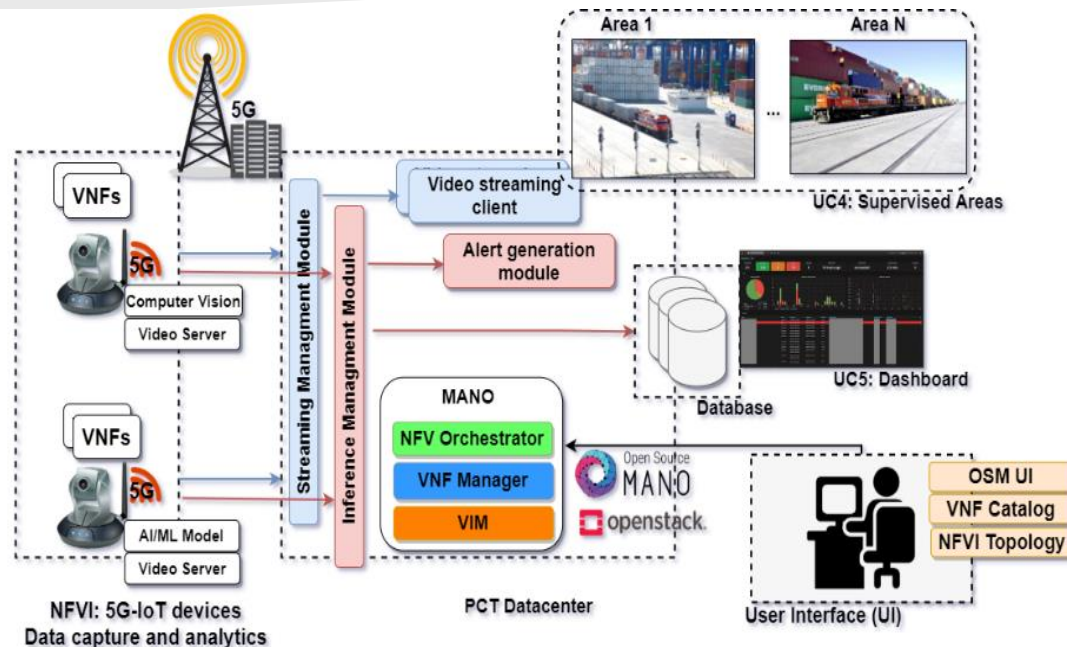- Improve the warehouse management with just in time equipment

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AI solutions for the port:
- Human presence identification in restricted areas, risk detection
- Container seal detection

5G LOGINNOV

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RISKS RELATED TO AI APPLICATIONS

RISKS from ADOPTING AI THAT ORGANIZATIONS CONSIDER RELEVANT, 2020
Source: McKinsey & Company, 2020 | Chart: 2021 AI Index Report
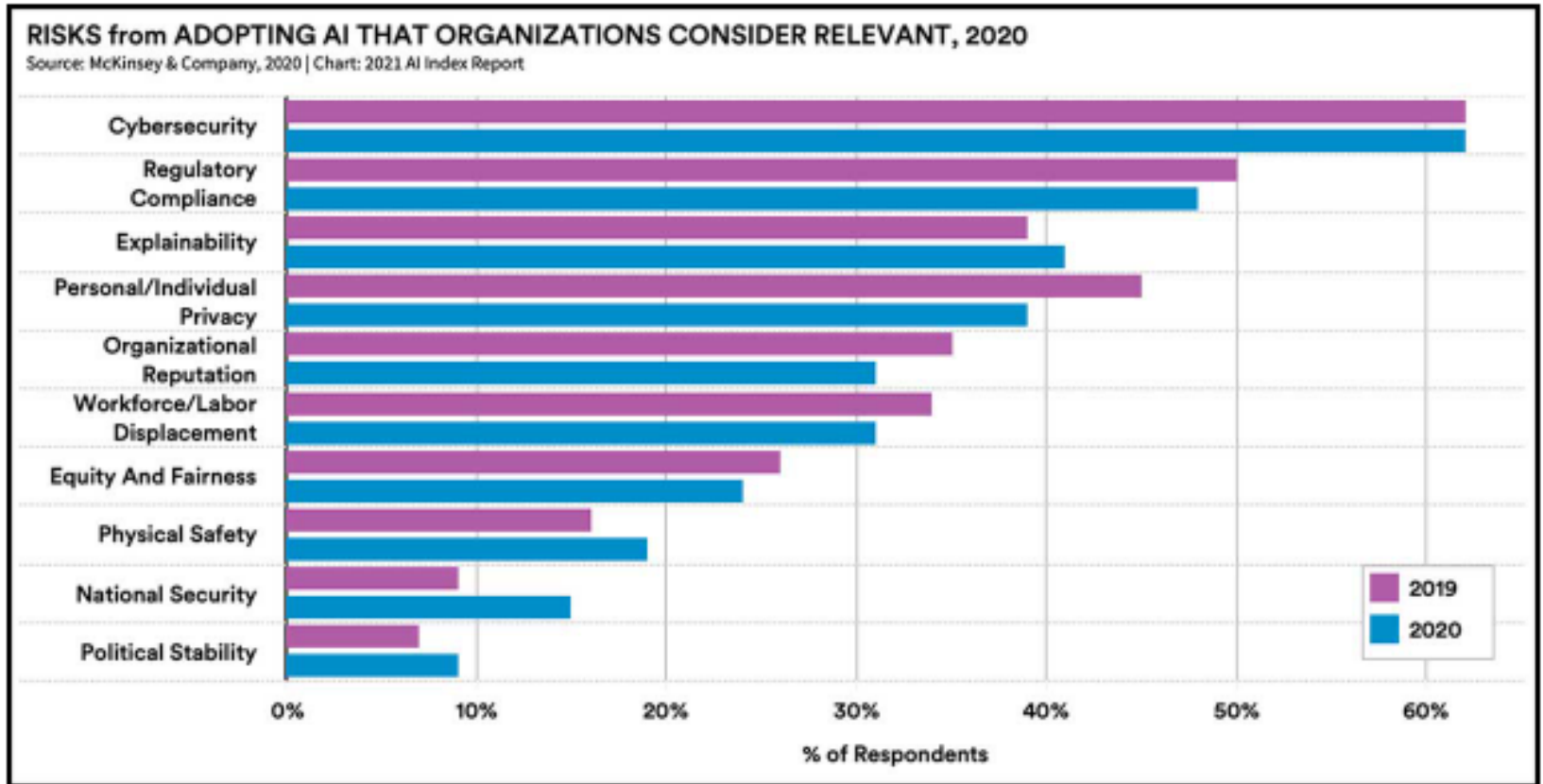
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