Webinar: AI & Automation in Container and Intermodal Asset Management

COA CONTAINER OWNERS ASSOCIATION

Presenter: Martin Schoeler, CEO FLETEC

March 4th, 2025

Agenda

- Why is AI important?
- AI technology overview – other industry examples
- AI application in our industry – status quo and outlook
- Supporting AI growth
- Journey to use AI
- Q&A session

Why is AI important?

Game changer

Adaptive and scalable technology

Automation & decision support

Maintaining company expertise

Why is AI important?

Key Questions

What is possible with modern AI?

How do I add AI to my services?

Will AI provide us real value?

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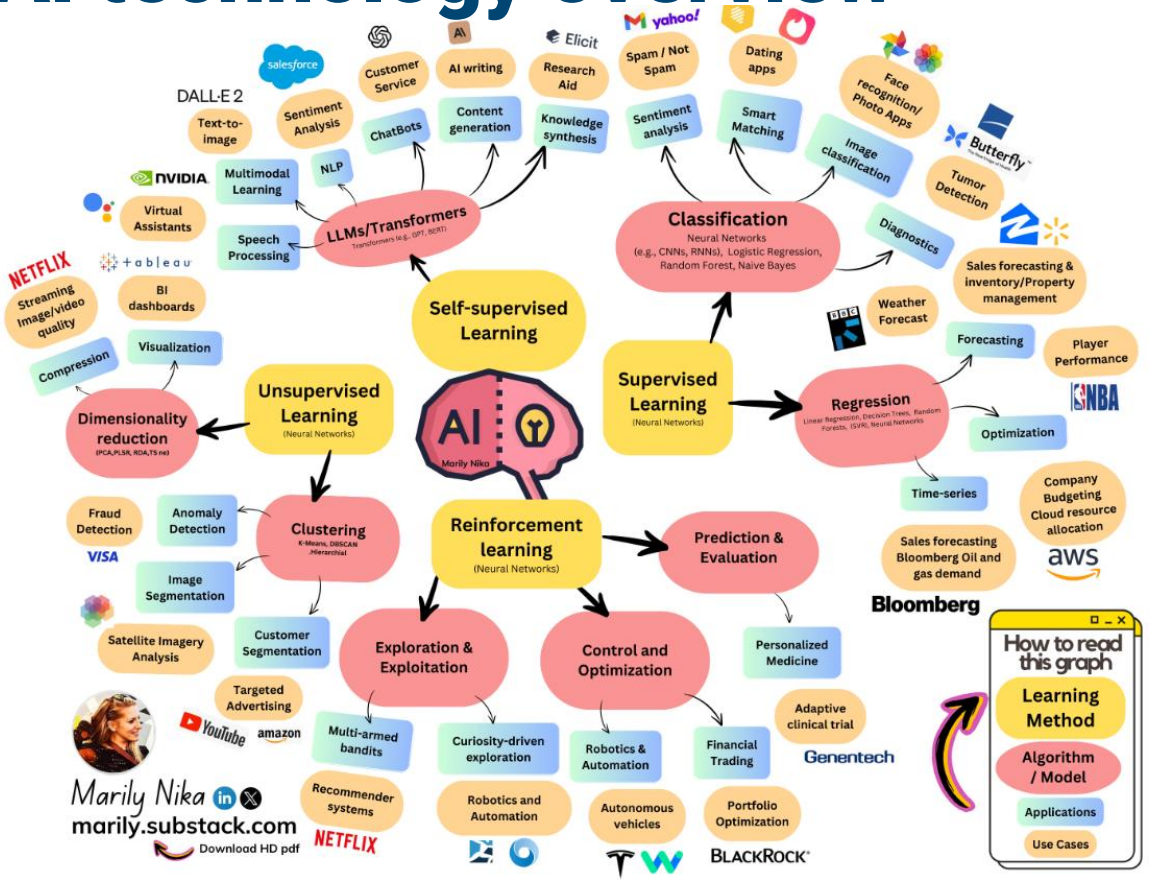
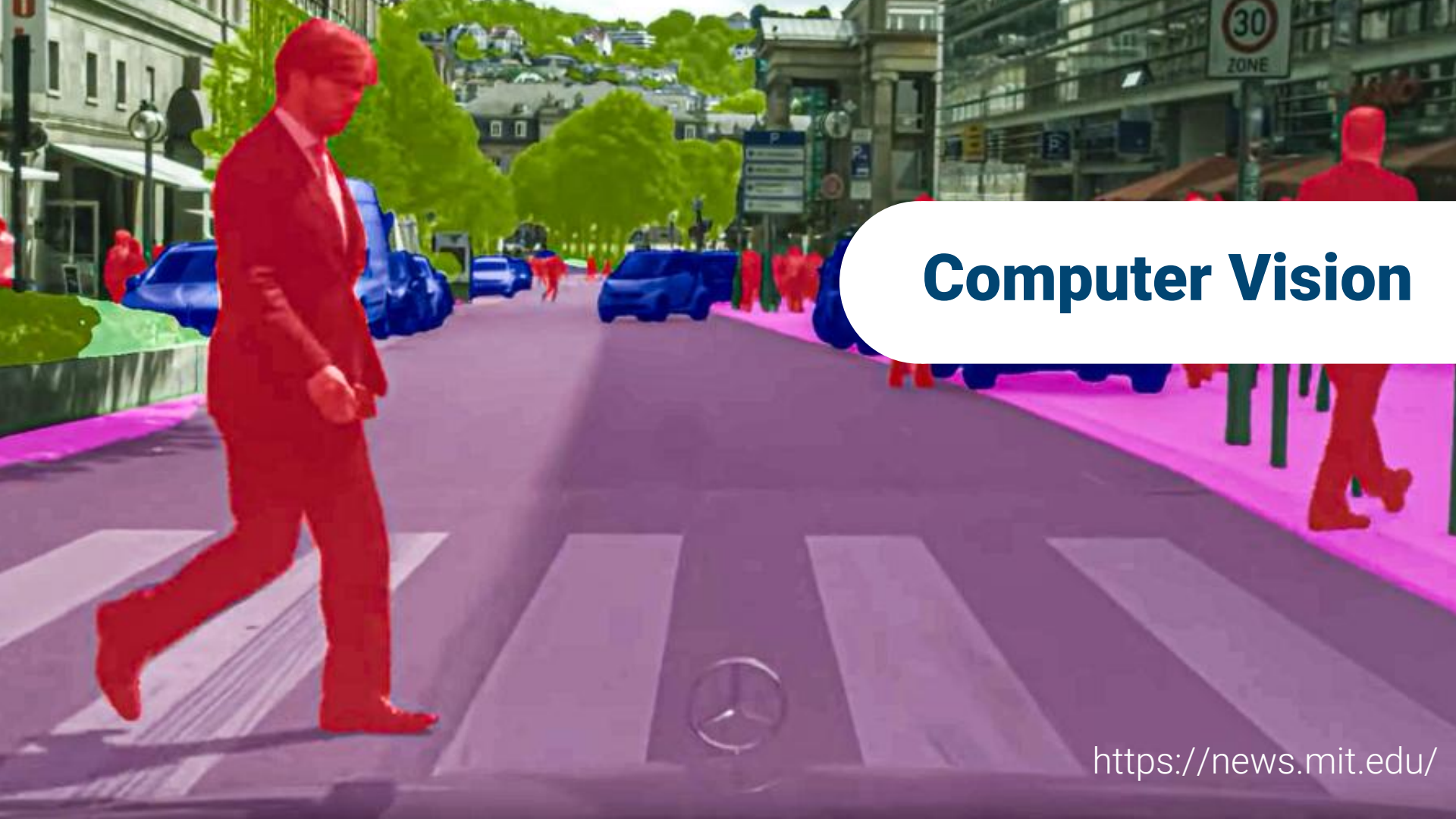
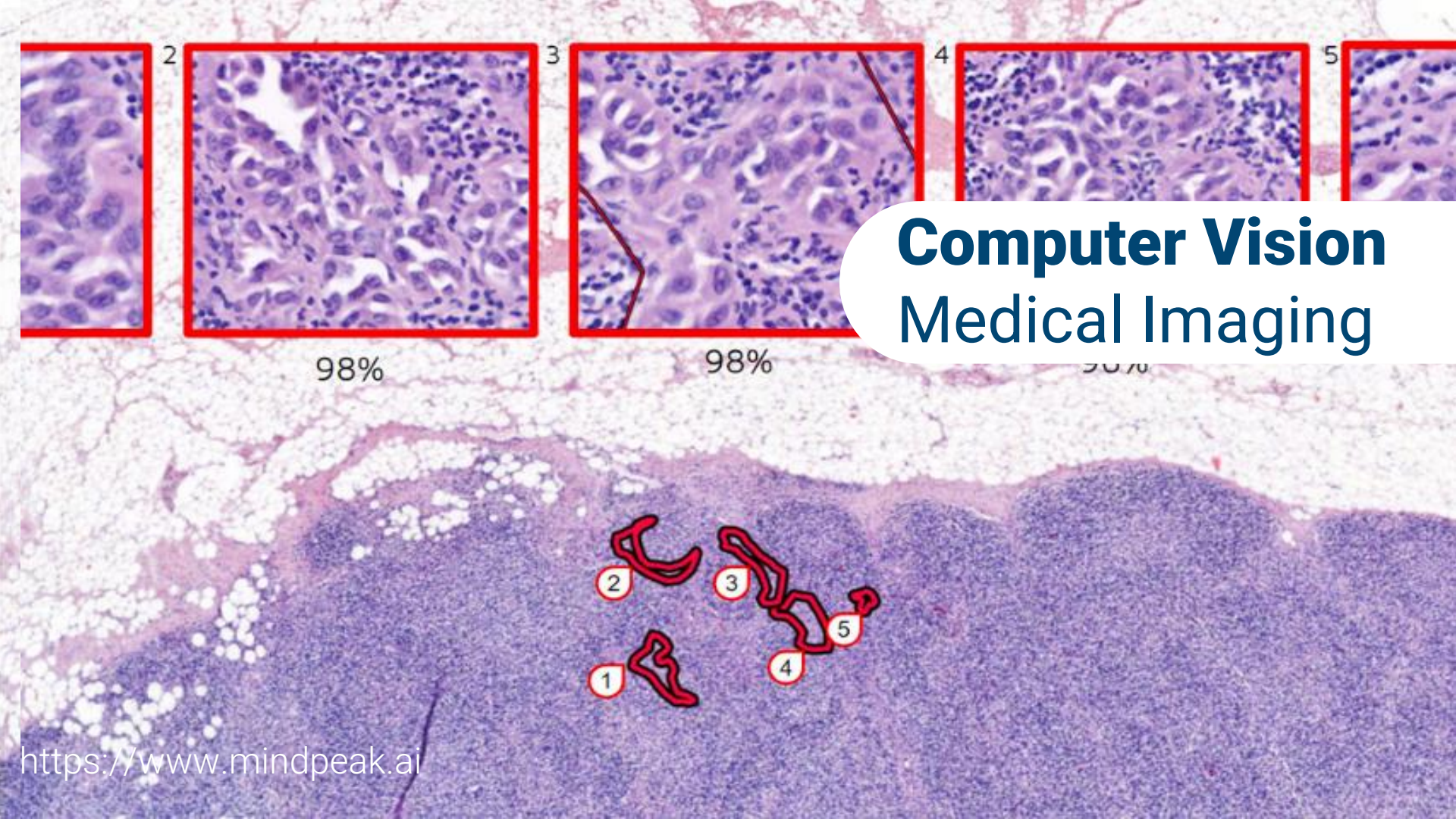
AI technology overview





Computer Vision

https://news.mit.edu/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Computer Vision
Medical Imaging
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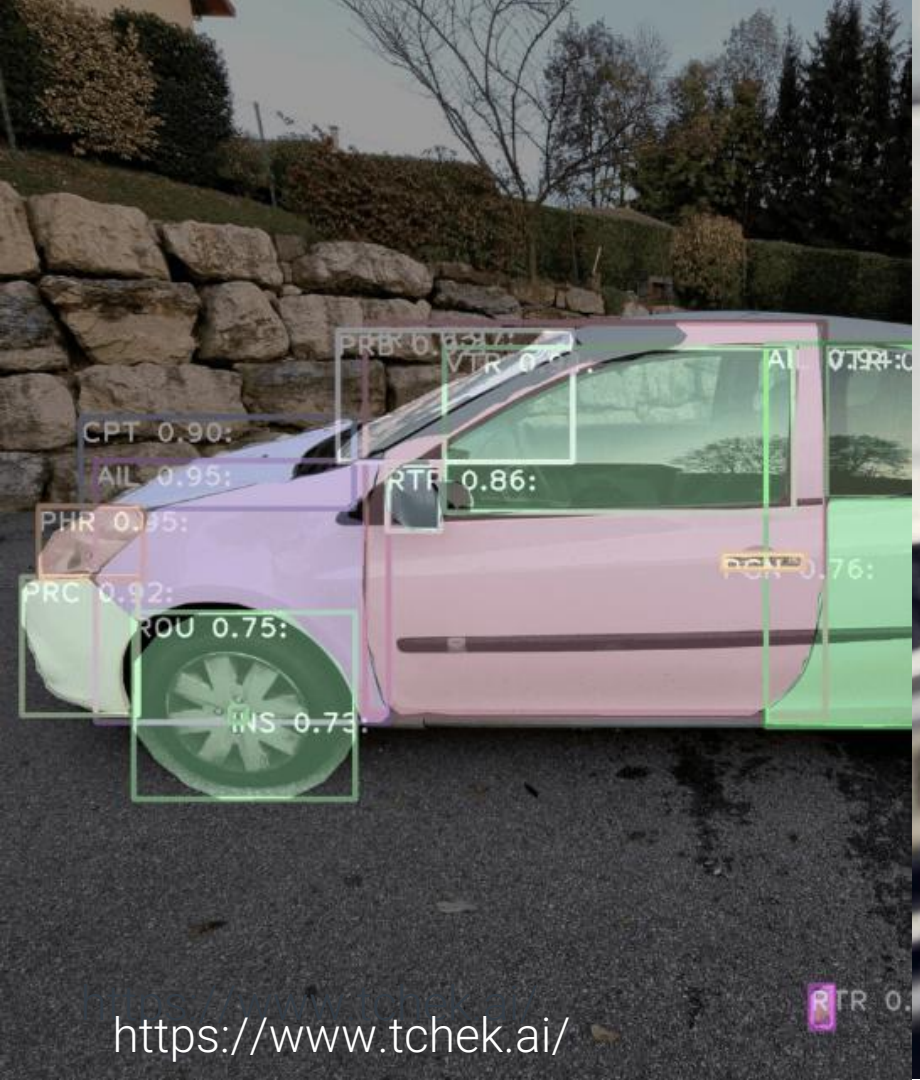
https://www.mindpeak.ai

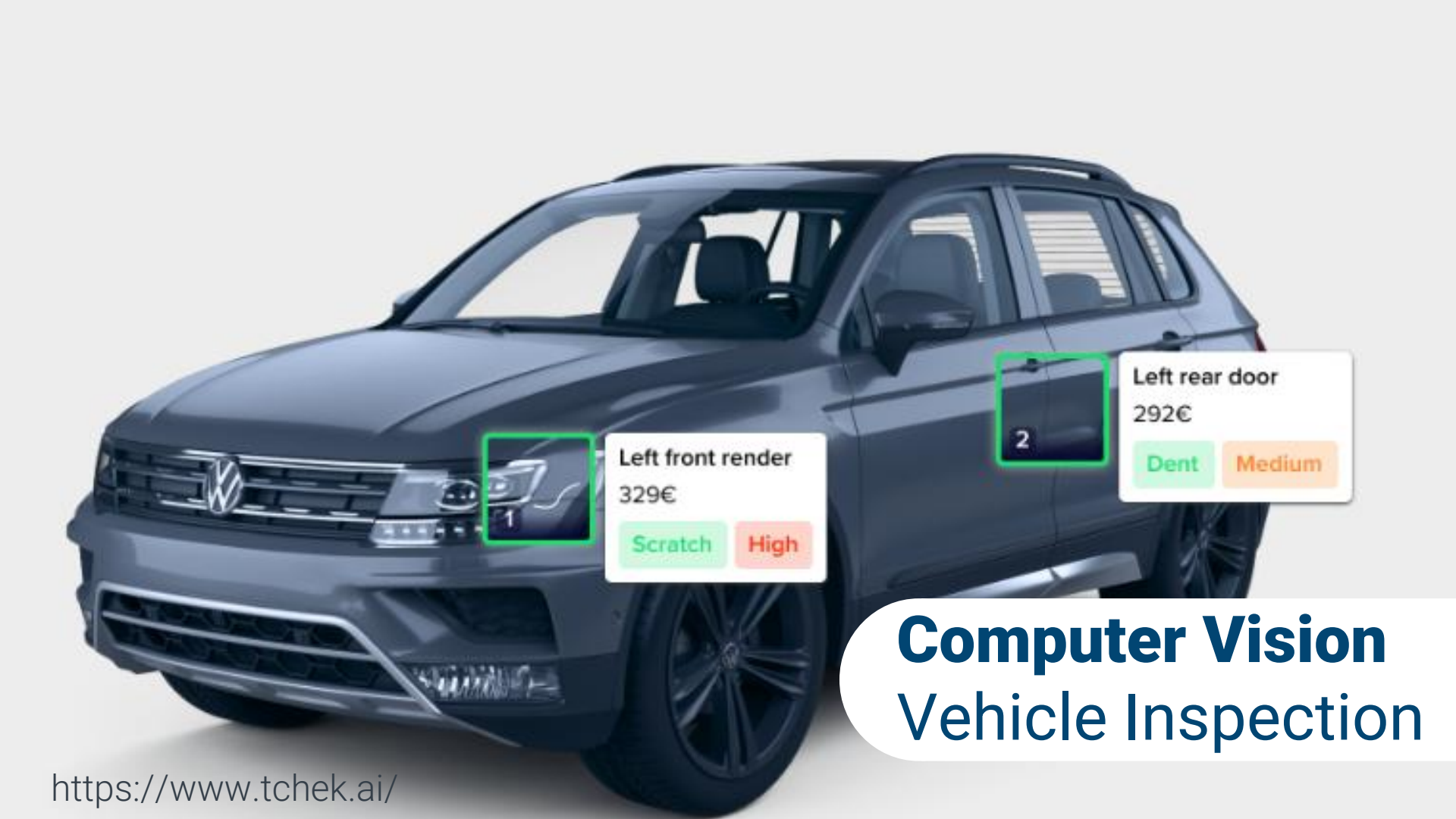


https://www.tchek.ai/

Computer Vision
Vehicle Inspection

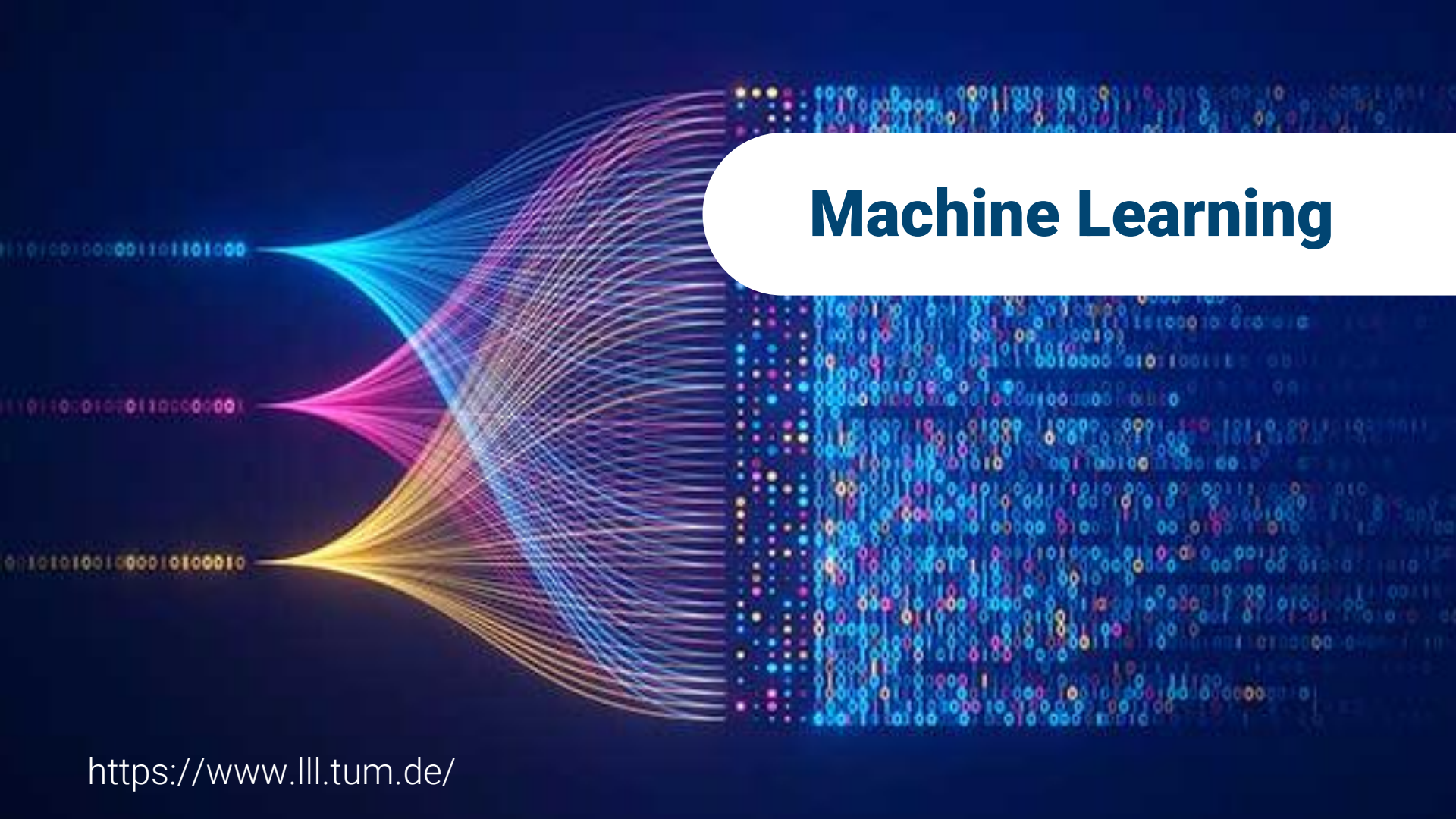
Computer Vision
Vehicle Inspection

https://www.tchek.ai/



Computer Vision
Vehicle Inspection

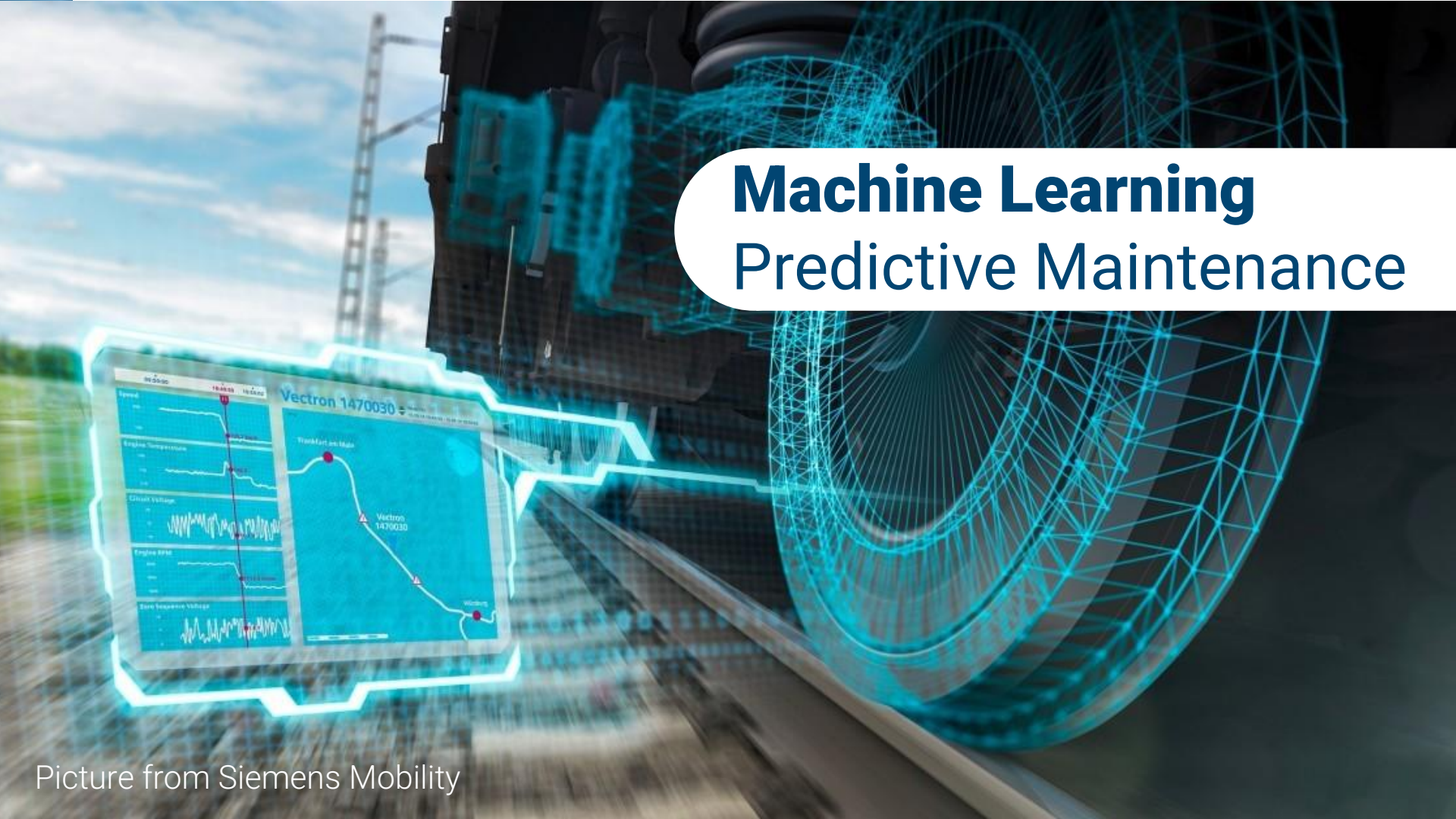
https://www.tchek.ai/


Machine Learning
https://www.lll.tum.de/

Machine Learning
Fraud detection

https://www.linkedin.com/pulse/machine-learning-credit-card-fraud-detection-lu%C3%ADs-fernando-torres/

Machine Learning
Predictive Maintenance
Photo credit: Heriot Watt University



Machine Learning
Predictive Maintenance

Picture from Siemens Mobility

Generative AI
Future Potential

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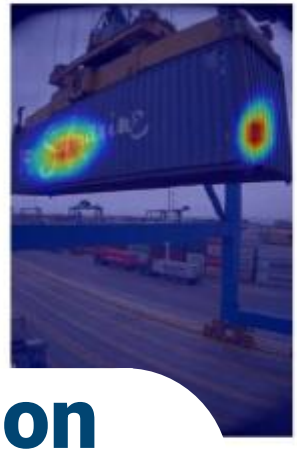
Computer Vision

Gate process

https://www.camco.be/

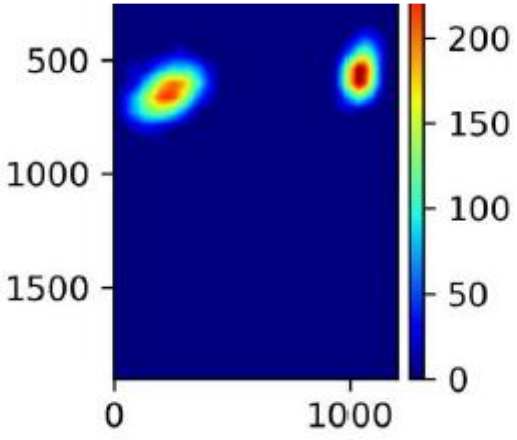
https://www.visy.fi/

Damage score 100.0 %



Computer Vision

Gate process



https://www.visy.fi/

https://www.mavisoft.com/scantainr

Computer Vision

M&R process

Computer Vision

M&R process

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max (cm)	4.77

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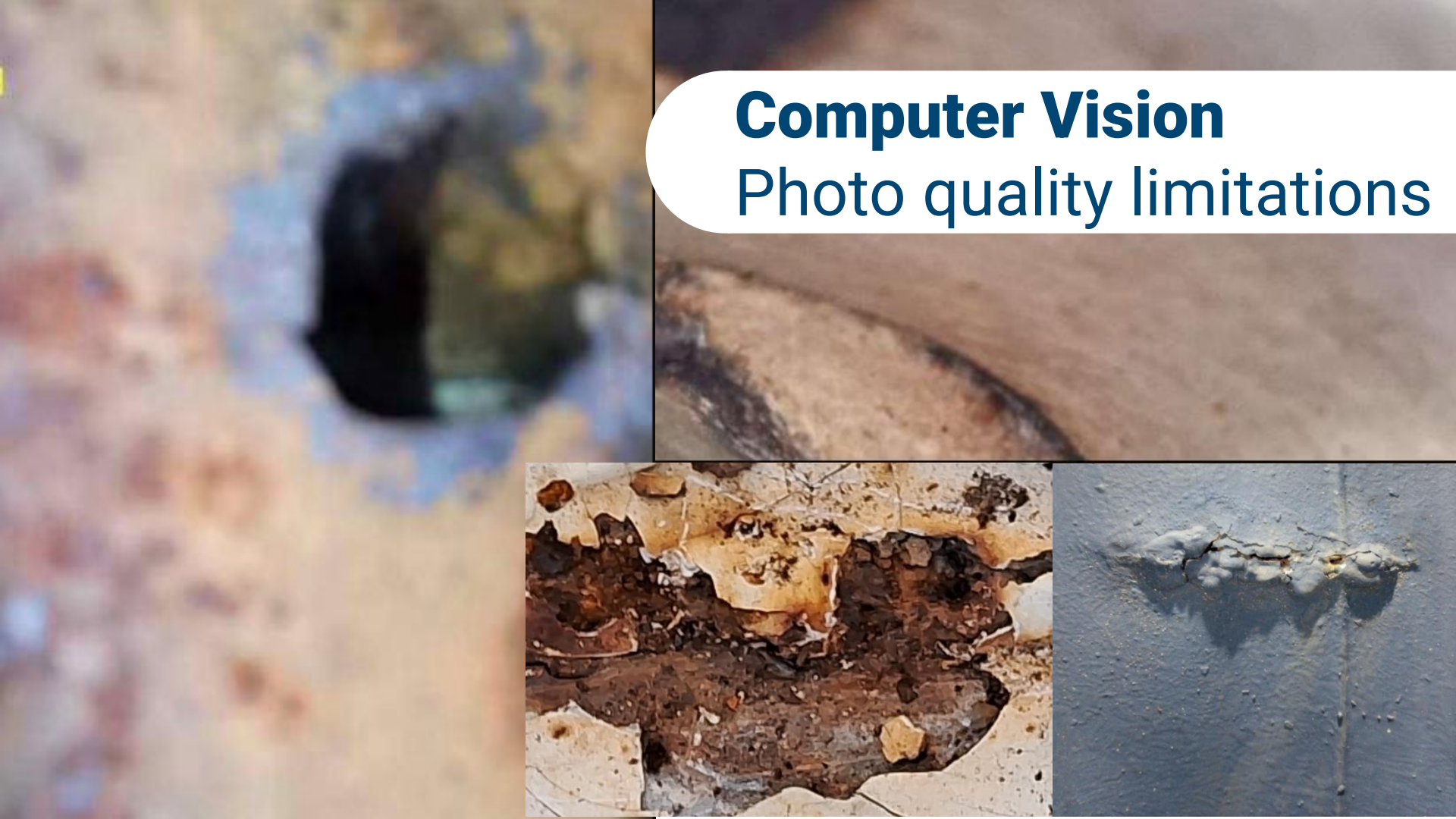
Computer Vision
M&R process



Computer Vision

Photo quality limitations

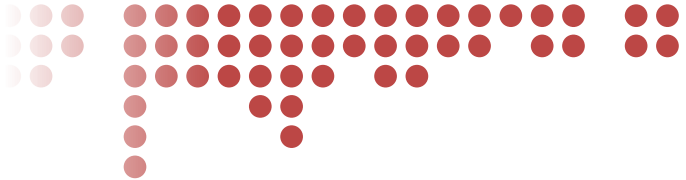
Computer Vision

Photo quality limitations

Machine Learning
Risk Detection

GREEN = Fast approval

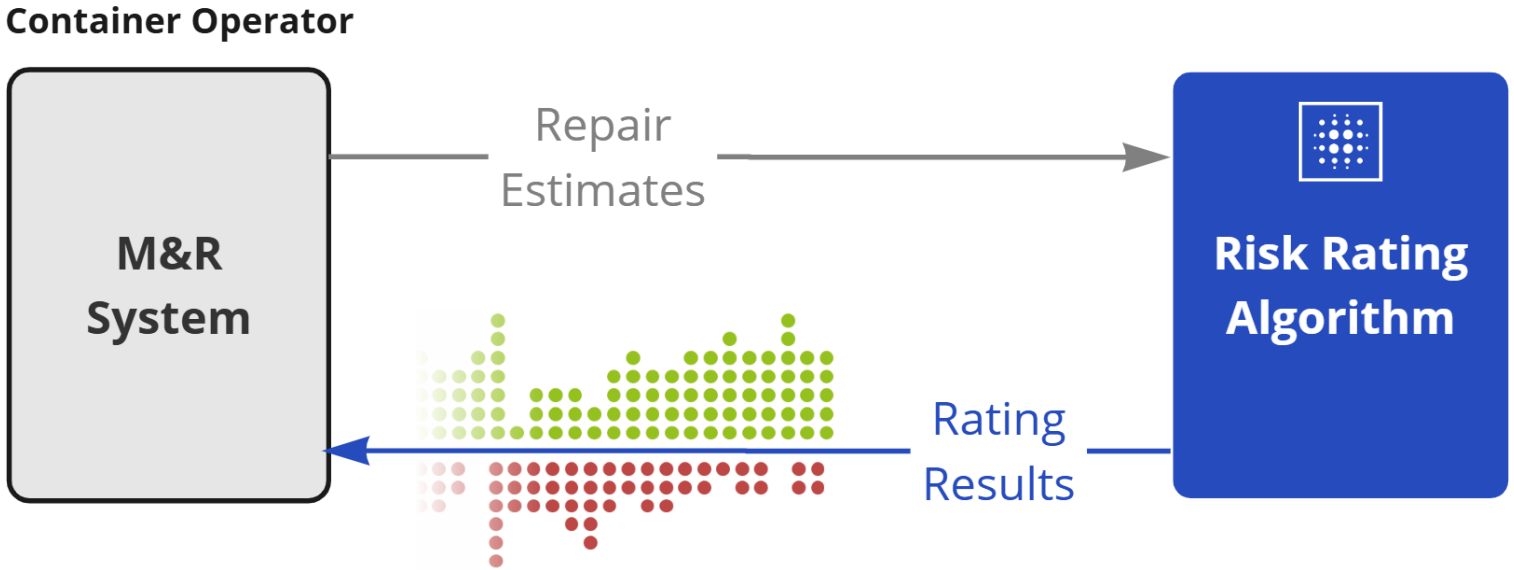
- Immediate approval of green=correct estimates without cost risk
- Improve approval and equipment turn times
- Support depot efficiency



RED = Control needed

- RED rating = control required
- Technical experts focus on incorrect, too expensive estimates keeping cost and quality under control

Machine Learning
Risk Detection



https://fletec.io

Machine Learning

Reefer machinery data

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Supporting AI growth

- **Making data available** – APIs and intermediate solutions
- **Standardise communication -** CEDEX Container Syntax, standard API formats
- **Enhancing image quality** for better damage detection
- **Other industry initiatives:**
  - Geofencing - BIC
  - Digital Twin - ITCO

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Journey to use AI

- Innovative atmosphere – Attract and enable innovation
- Test innovation - Proof of Concept (POC) , Pilots
- Make or buy decision
- IT Integration
- Full deployment and cultural change

Final comments …

Thank you for your attention ...

Q&A

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