

AI at the Helm: Autonomous decisions to increase efficiency

BLACK SEA
Ports and Logistics 2025



Rodrigo Garro
Georgia, March 13th, 2025

The growth of AI

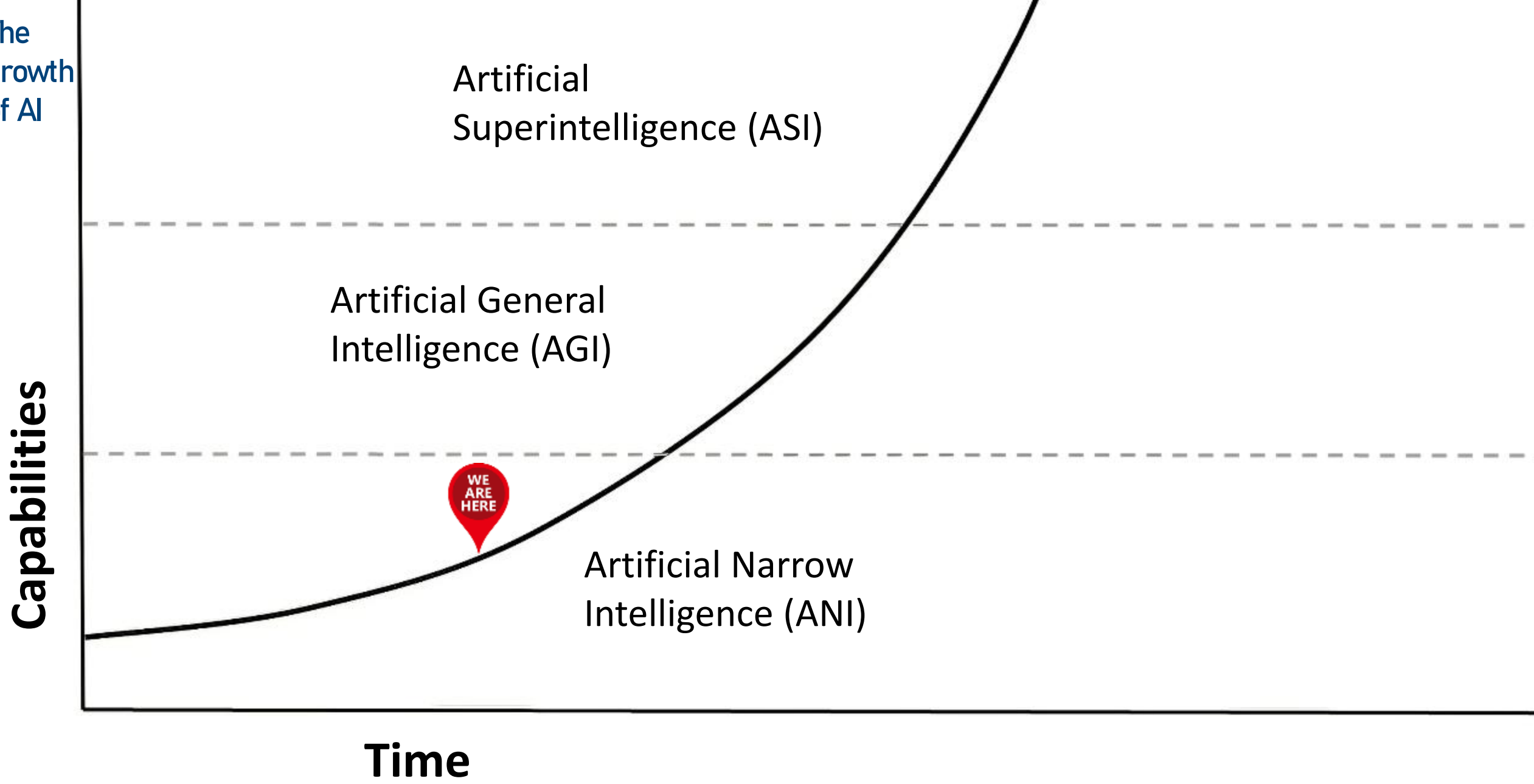
Capabilities

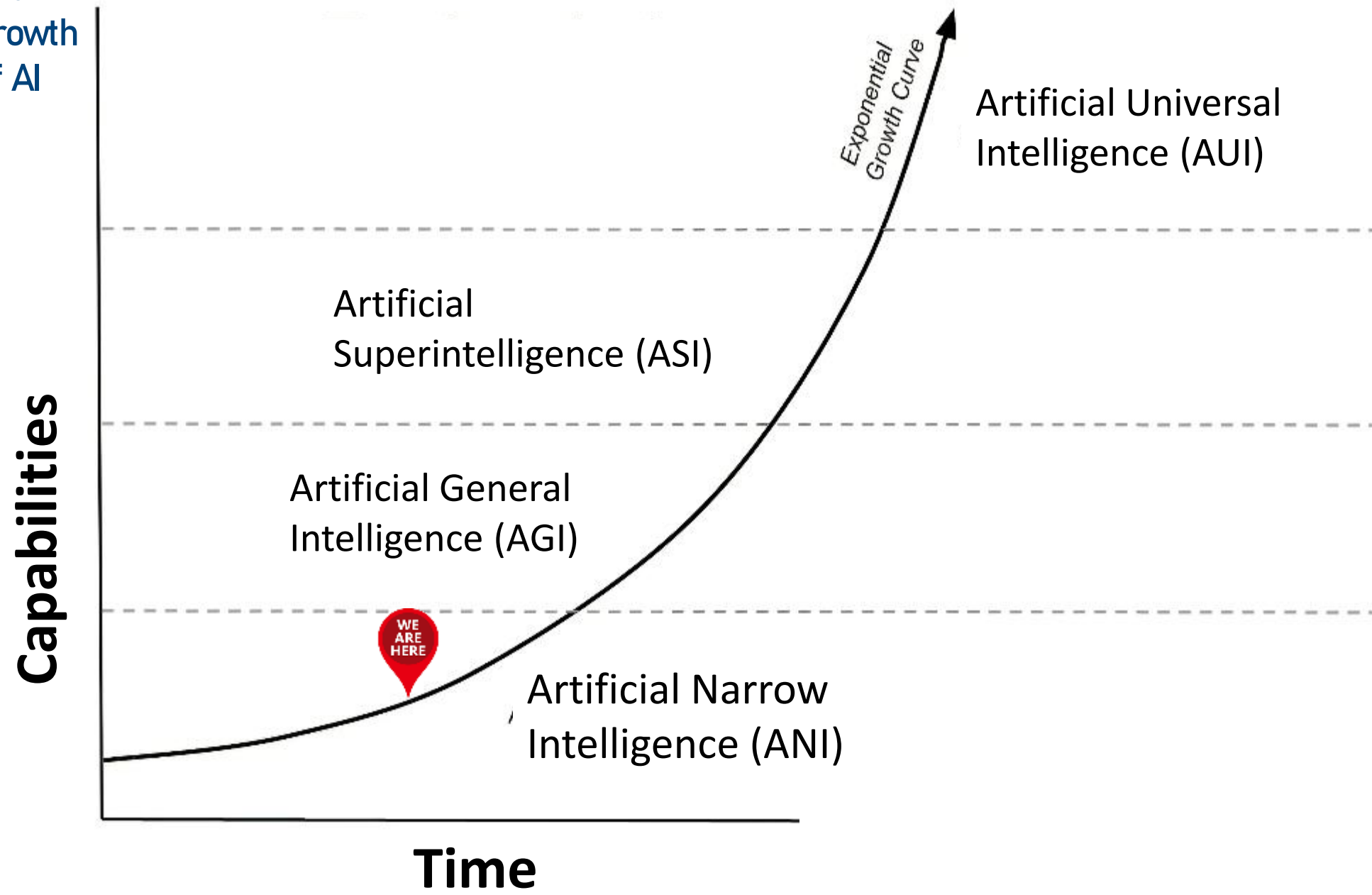
Time

Artificial General Intelligence (AGI)

Artificial Narrow Intelligence (ANI)



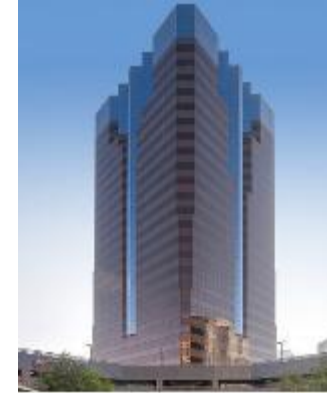




Camco Technologies



Private owned
Global presence
24 years in terminal automation
Passion for technology
Industry innovator



Camco US
One World Trade Center
Long Beach



Camco Middle East FZE
JAFZA ONE Tower – Building A



**CAMCO
TECHNOLOGIES
AUSTRALIA PTY LTD**



Camco China
Shanghai

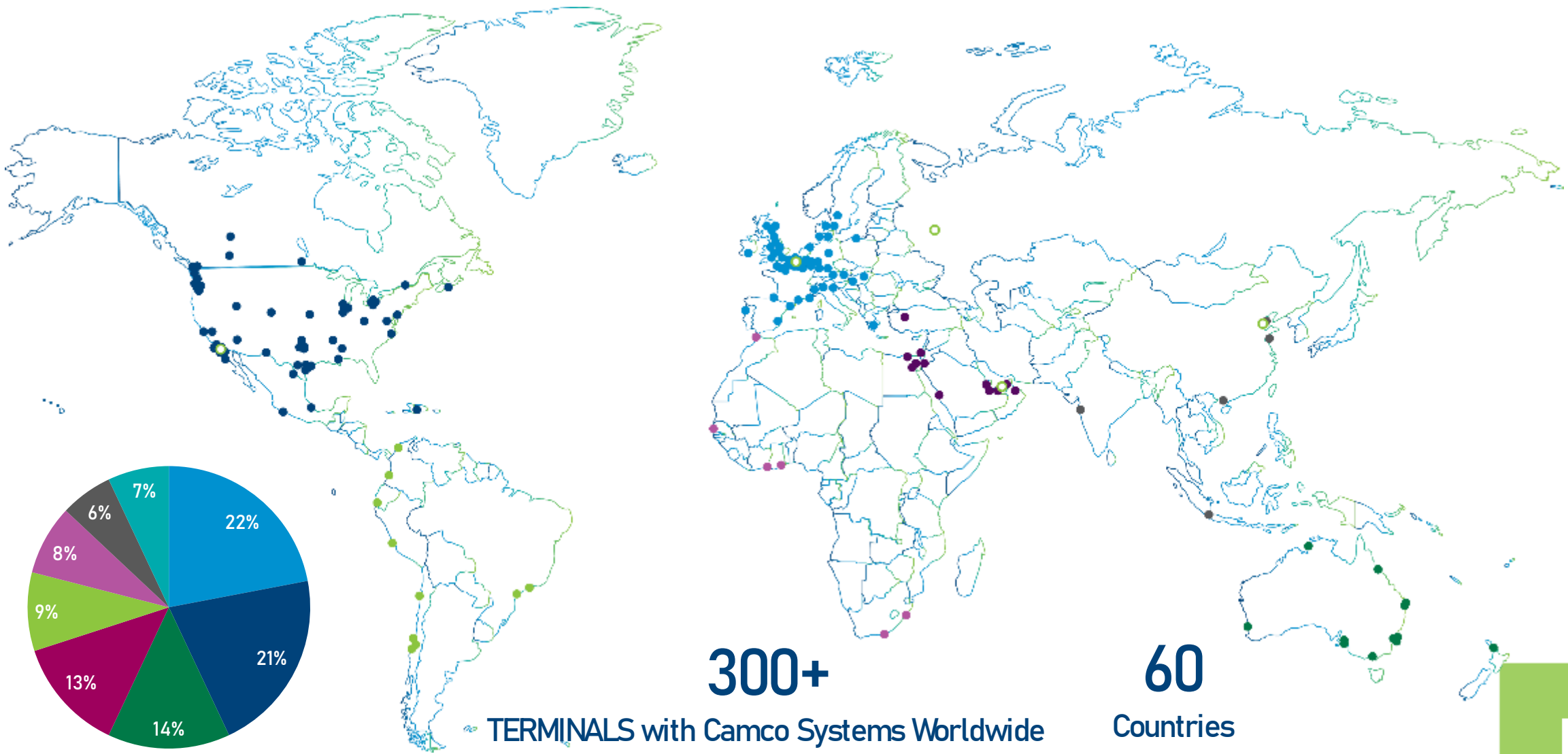


A unique combination of four business units:

- Product Development
- Production Factory
- Project Factory
- Services Factory



Global – Worldwide Presence



300+

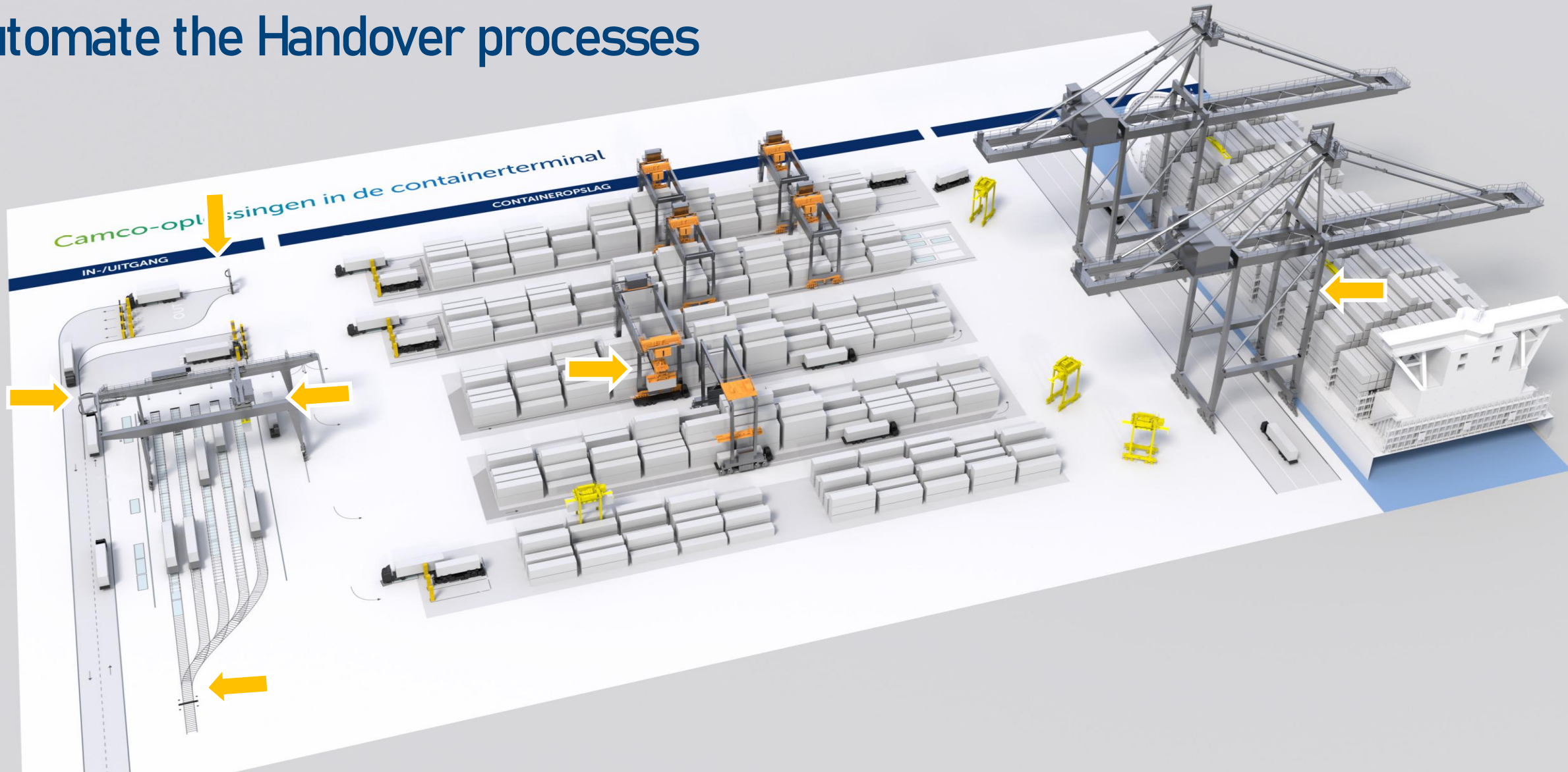
TERMINALS with Camco Systems Worldwide

60

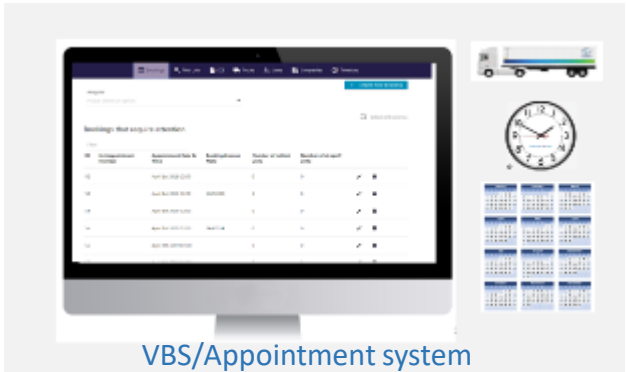
Countries

Vision & location technology-based solutions

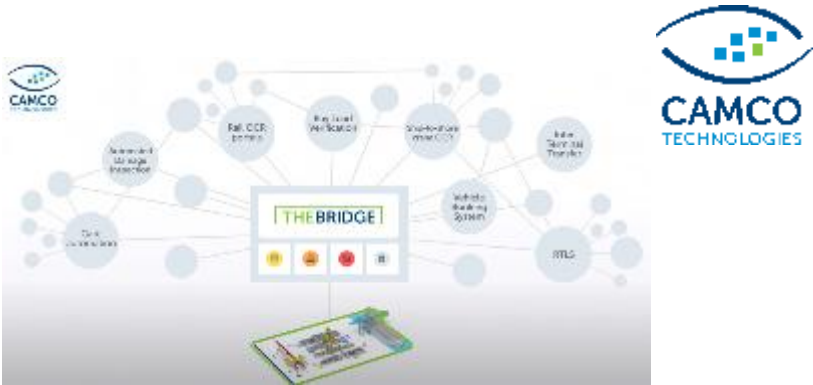
Automate the Handover processes



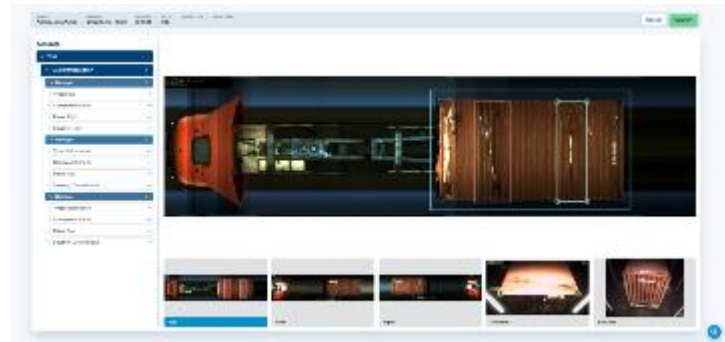
From products to software solutions



VBS/Appointment system



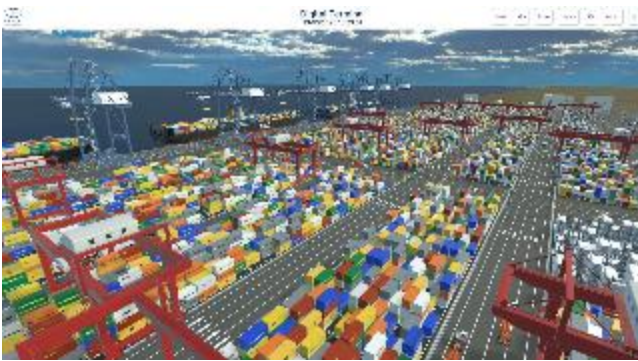
THE BRIDGE



Automatic damage inspection



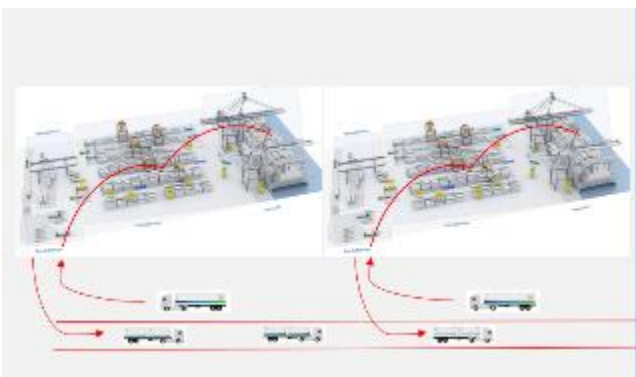
VBS Truck app



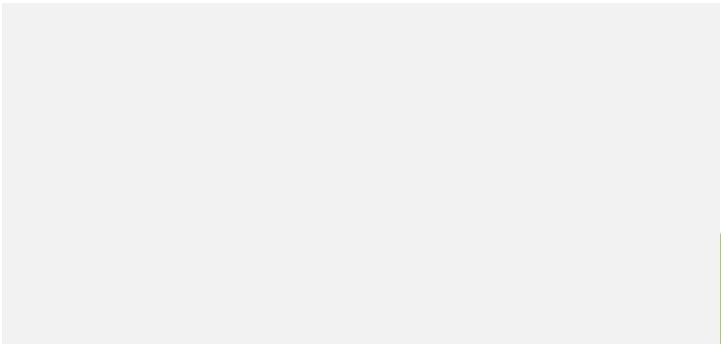
Real Time Digital Twin



BLV Bay Load Verification

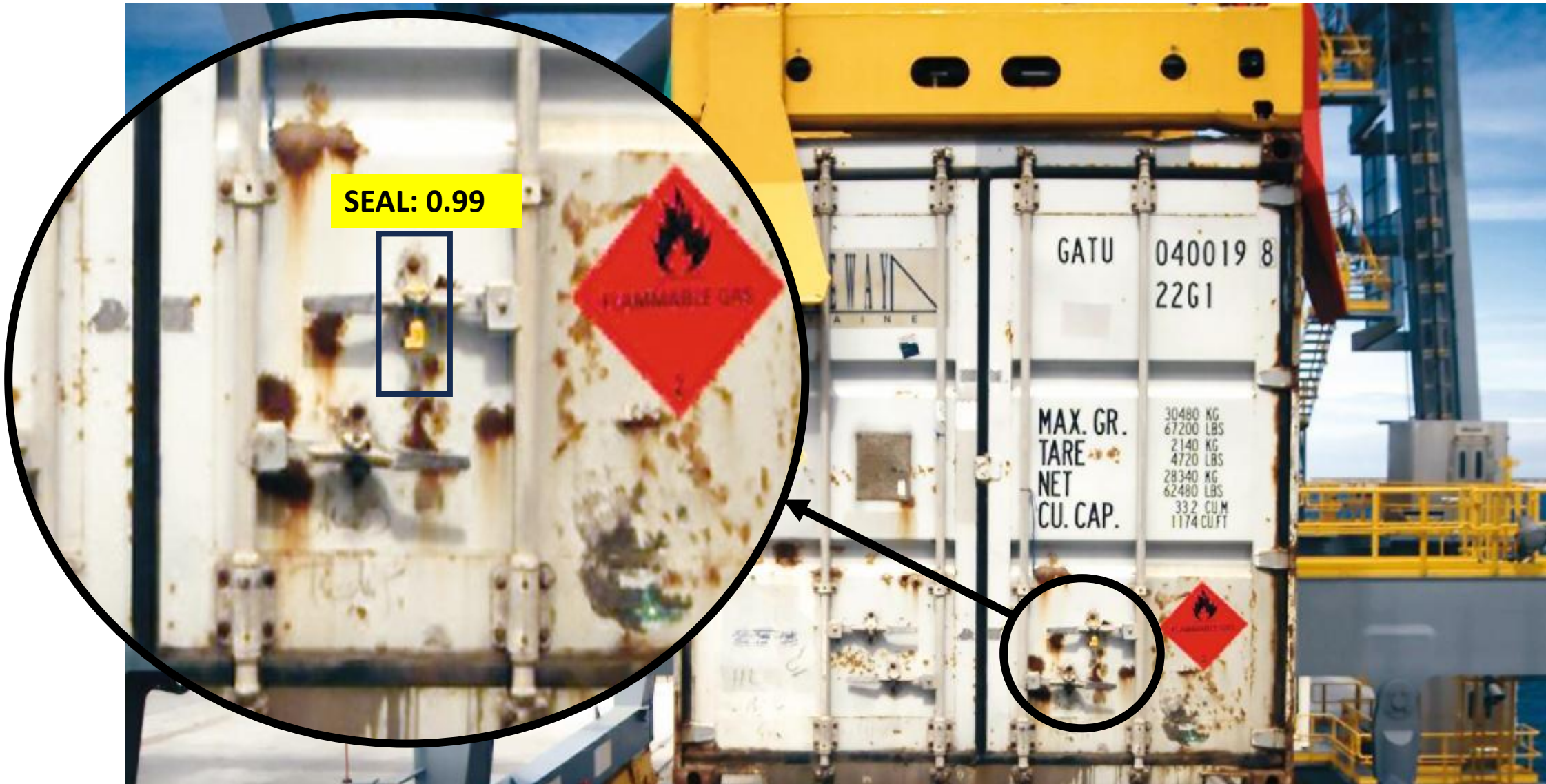


ITT Inter Terminal Transfer



More to come

What about AI in this story?



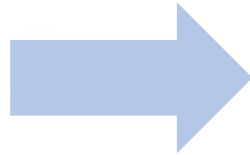




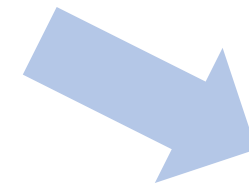
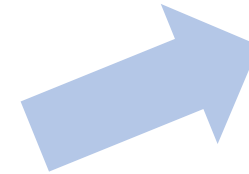




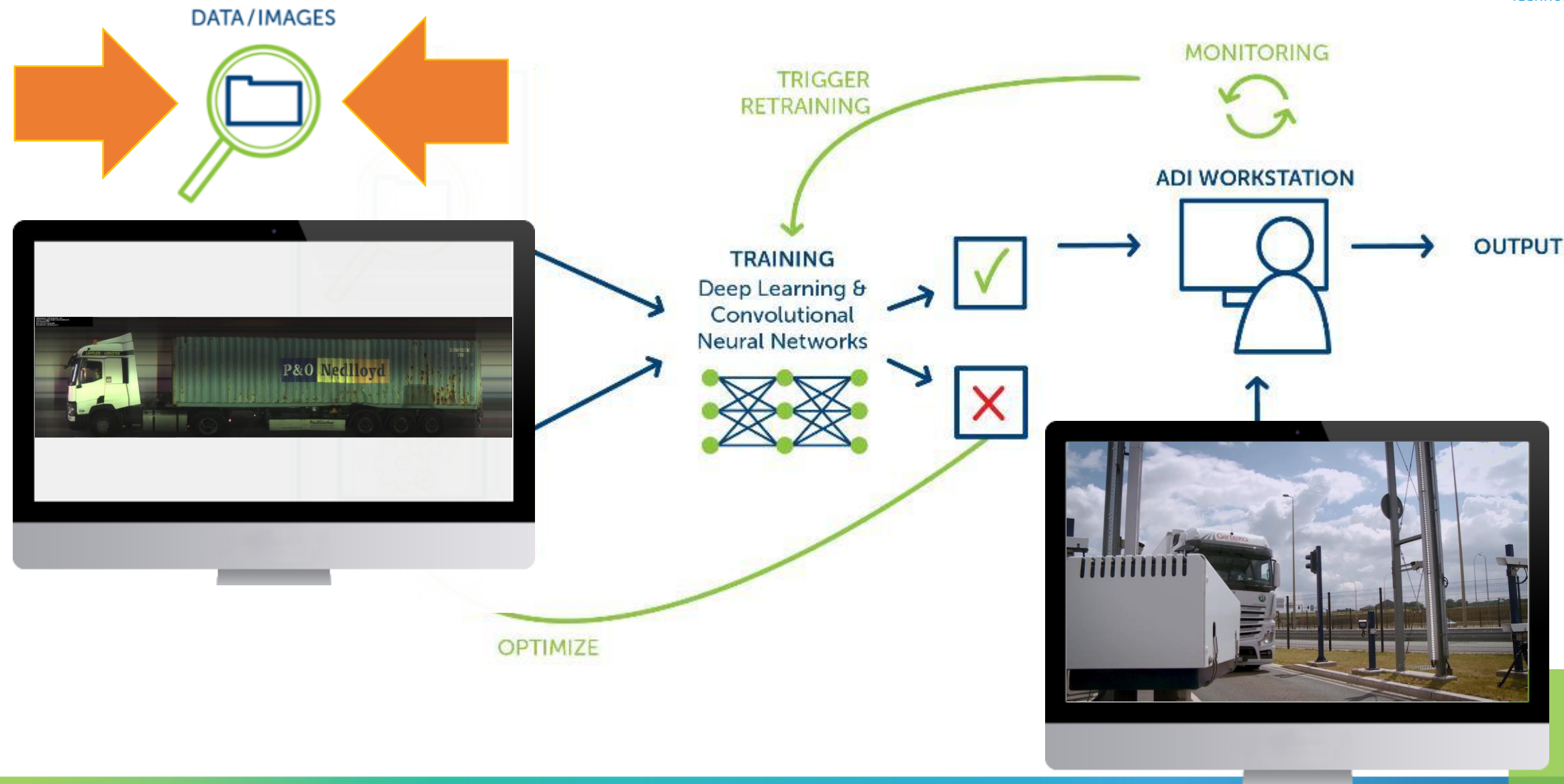
AI Techniques: Deep learning



TRAINING
Deep Learning &
Convolutional
Neural Networks



AI Techniques: Deep learning



DATA / IMAGES



300+

TERMINALS with Camco Systems Worldwide

60

Countries

+200.000 TEUS / day

AI Techniques: USE AI to generate damaged containers



“Generate a realistic maritime container, as real as possible, complying with ISO 668 and ISO 6346 for the international codes. The container must have some damages. No background”



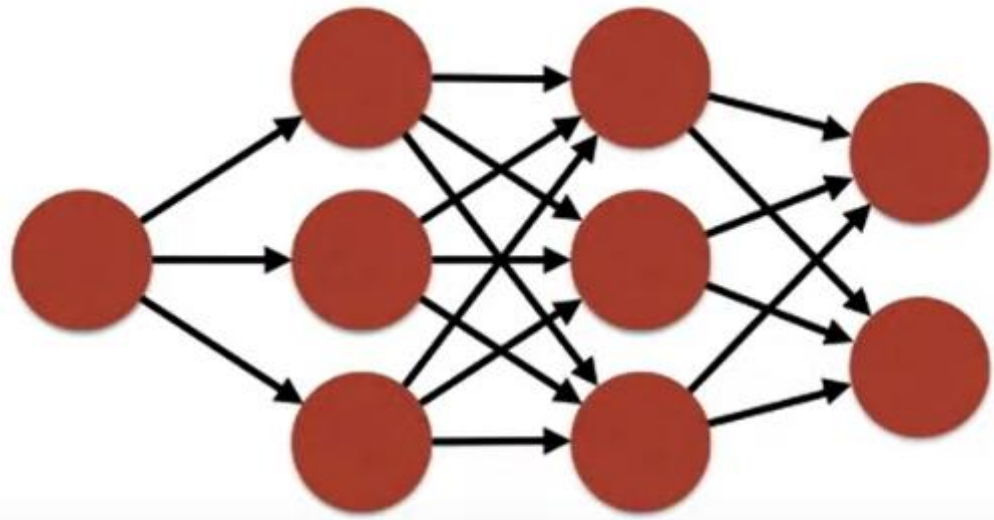
AI Techniques: USE AI to generate damaged containers



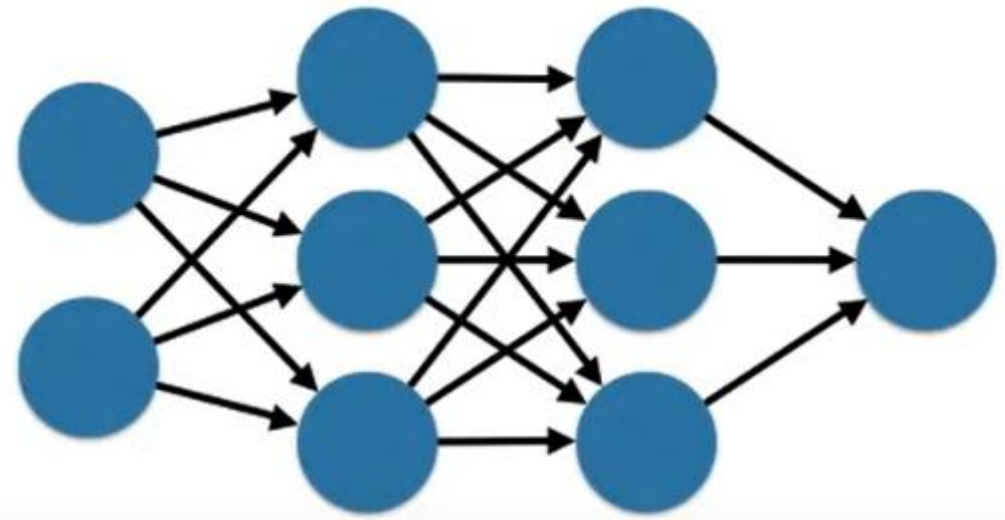
“Generate a realistic maritime container, complying with ISO 668 and ISO 6346 for the international codes. The container has to have some damages. No background”



AI Techniques: Generative Adversarial Networks (GAN)



Generator



Discriminator

AI Techniques: Generative Adversarial Networks (GAN)



Generator



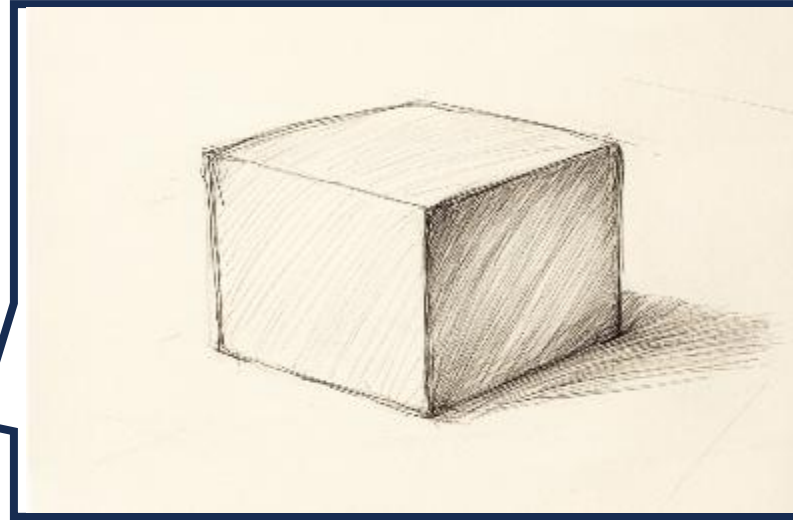
Discriminator

AI Techniques: Generative Adversarial Networks (GAN)

LEVEL
UP



Generator



Discriminator

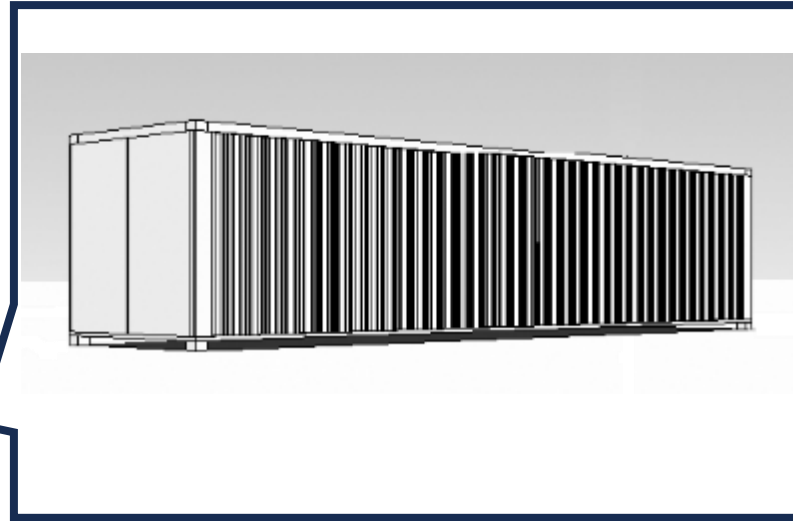
...
FALSE!

AI Techniques: Generative Adversarial Networks (GAN)

LEVEL
UP



Generator



Discriminator

...
FALSE!

AI Techniques: Generative Adversarial Networks (GAN)

LEVEL
UP



Generator



Discriminator

...
FALSE!

AI Techniques: Generative Adversarial Networks (GAN)

LEVEL
UP



Generator



Discriminator

...
FALSE?

AI Techniques: Generative Adversarial Networks (GAN)

HAHA!



Generator



...
TRUE?

Discriminator

AI Techniques: Generative Adversarial Networks (GAN)



Generator



Discriminator

AI Techniques: Generative Adversarial Networks (GAN)



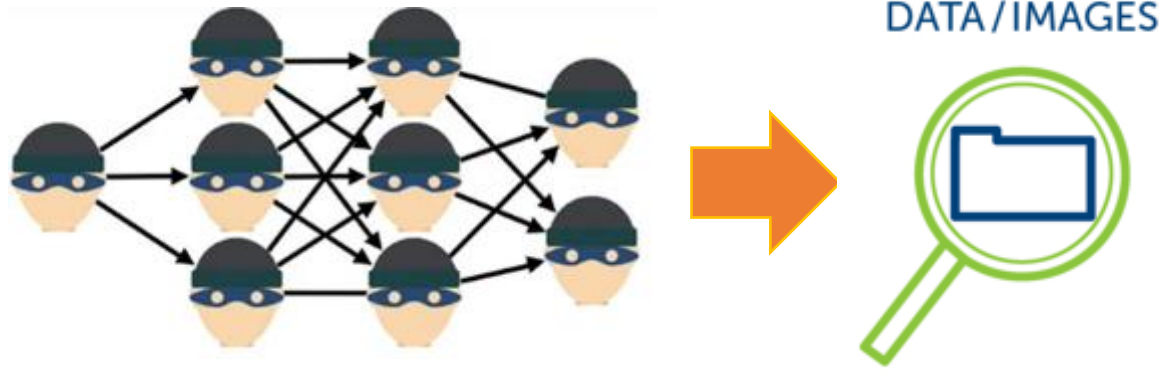
Generator



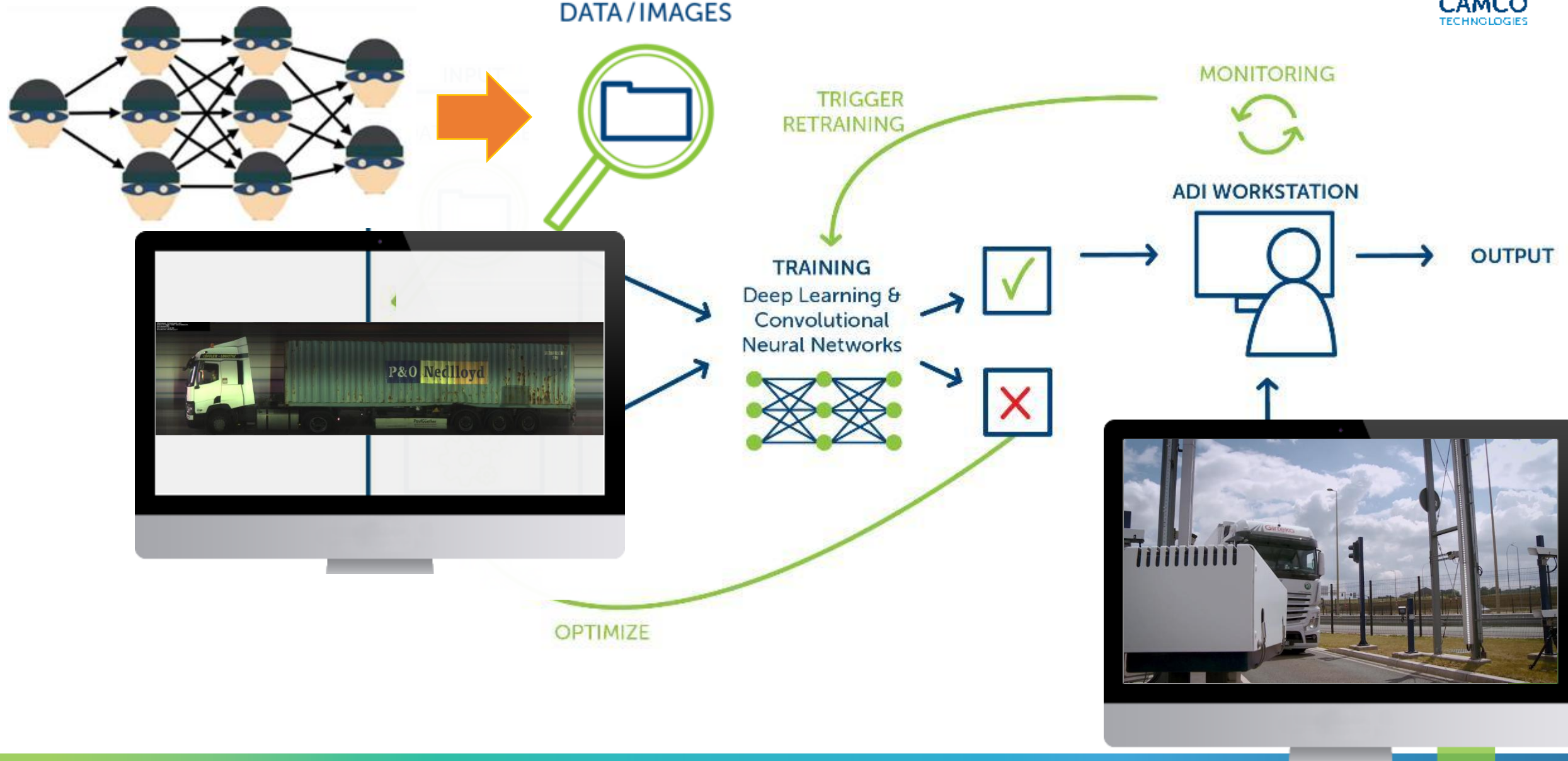
Discriminator



AI Techniques: Deep learning



AI Techniques: Deep learning



Thank you!

