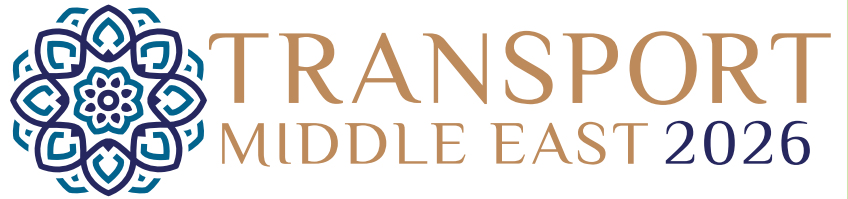
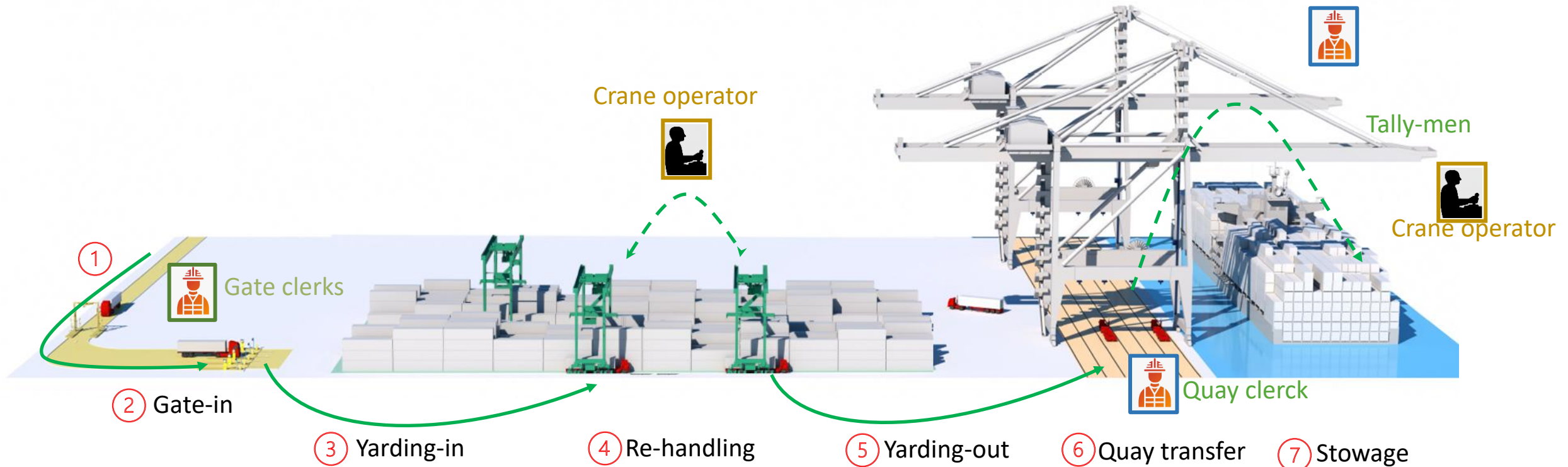


Applied Intelligence at Ports and Container Terminals



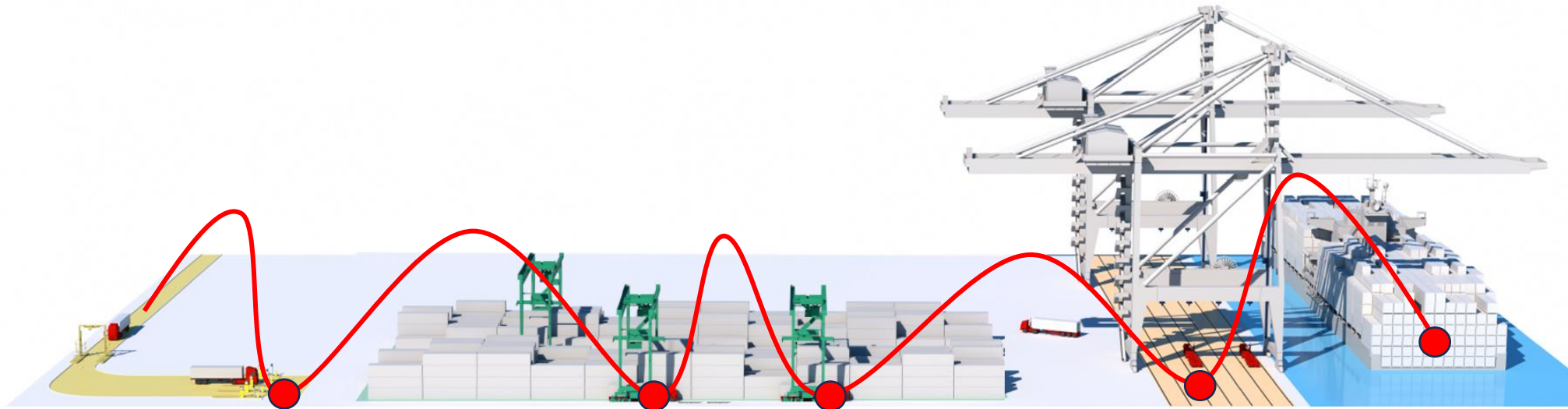
Rodrigo Garro
Cairo, Oct 1st, 2026

Road to Vessel Journey



Road to Vessel Journey

5 single moves from road to vessel



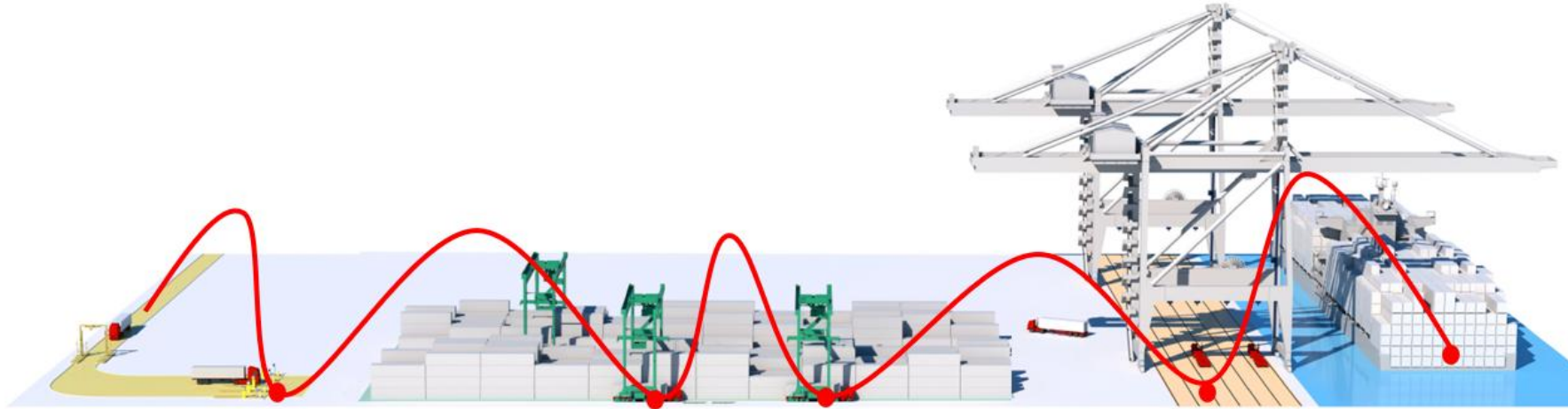
Is this the right container being pickup up?

- Reading container number
- Reading via truck-ID (license plate/tag/roof)

Is this the right pickup or drop location?

- RTG (Stack locations)
- STS (lane location)
- Vessel (bay/row/tier location)

Road to Vessel Journey



Is this really a digital process?

On a manual operated terminal the TOS is blind



The Automation Imperative

Rising volumes & congestion

Labor scarcity & safety pressure

**Manual work =
Blind spots & errors**

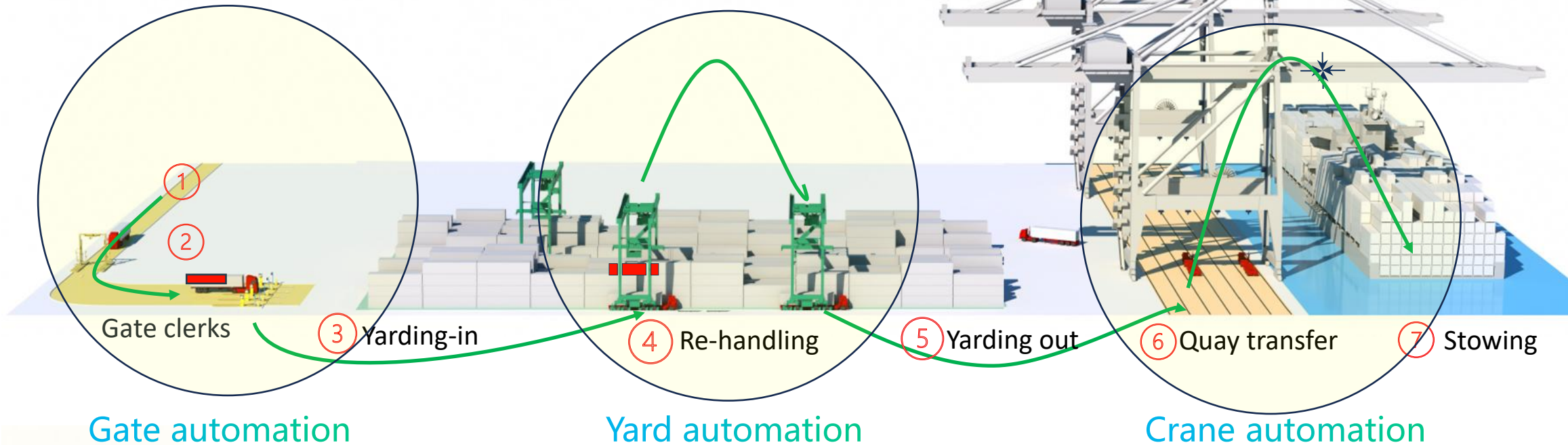
Customer expects efficiency

Competitive advantage depends on automation



Road to Vessel Journey

From manual black box operations to fully digitised terminal



- Digitalization brings high visibility on the terminal processes
- Gate/yard/crane automation generates visual, location and timestamp data by move
- Makes TOS 100% copy of physical situation on the yard/vessel/train
- Higher efficiencies
- Less clerks on the yard, higher safety

Camco Technologies Overview



- **27 Years - The longest history**
- **Local M&S teams - The Efficient Service**
 - **Innovation Focus**
- **In-house engineered Solutions**



CAMCO Shanghai Office



CAMCO USA Office



CAMCO UAE Office



CAMCO Australia Office



CAMCO Saudi Office



CAMCO Spain Office

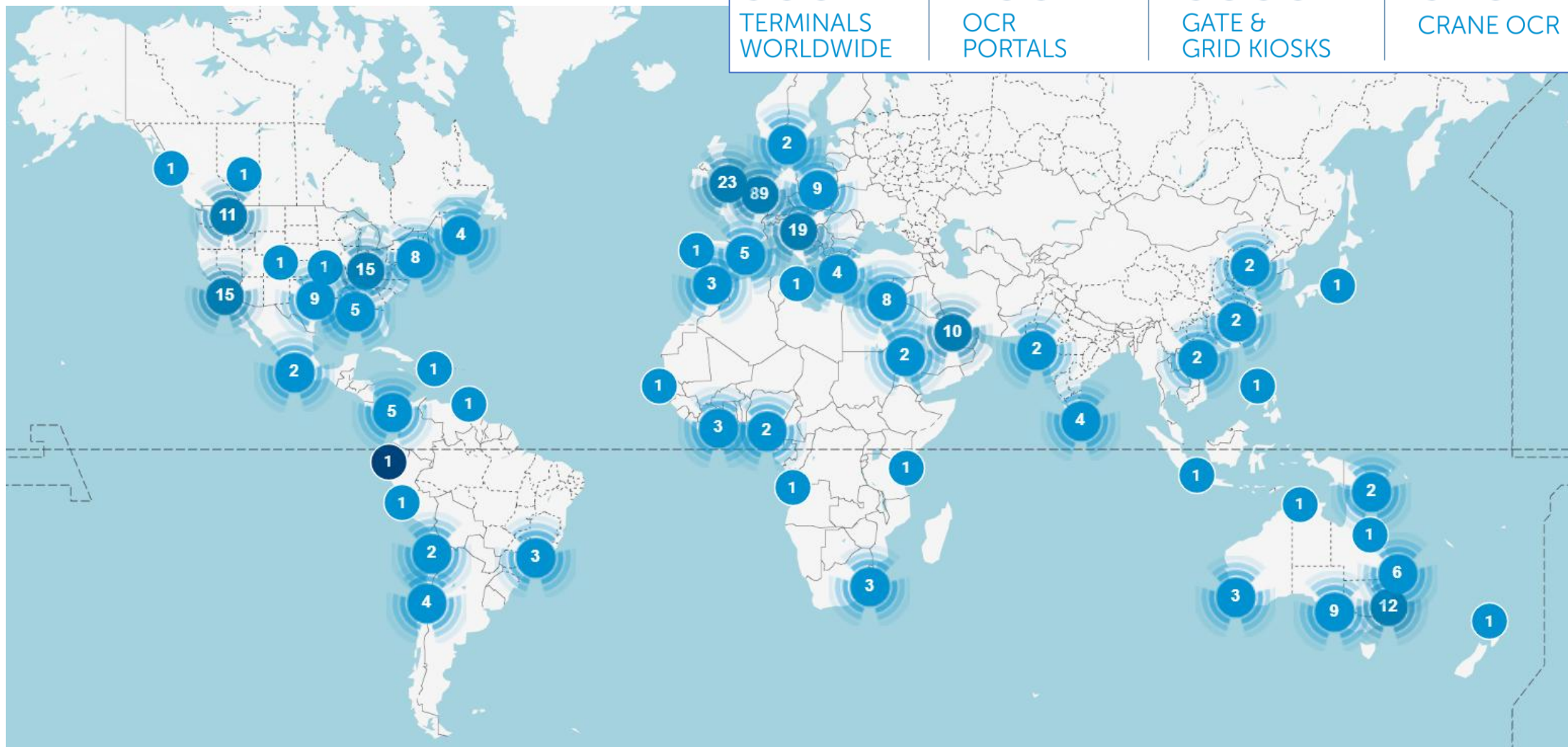
Camco at a Glance

300+
TERMINALS
WORLDWIDE

700+
OCR
PORTALS

3000+
GATE &
GRID KIOSKS

320+
CRANE OCR

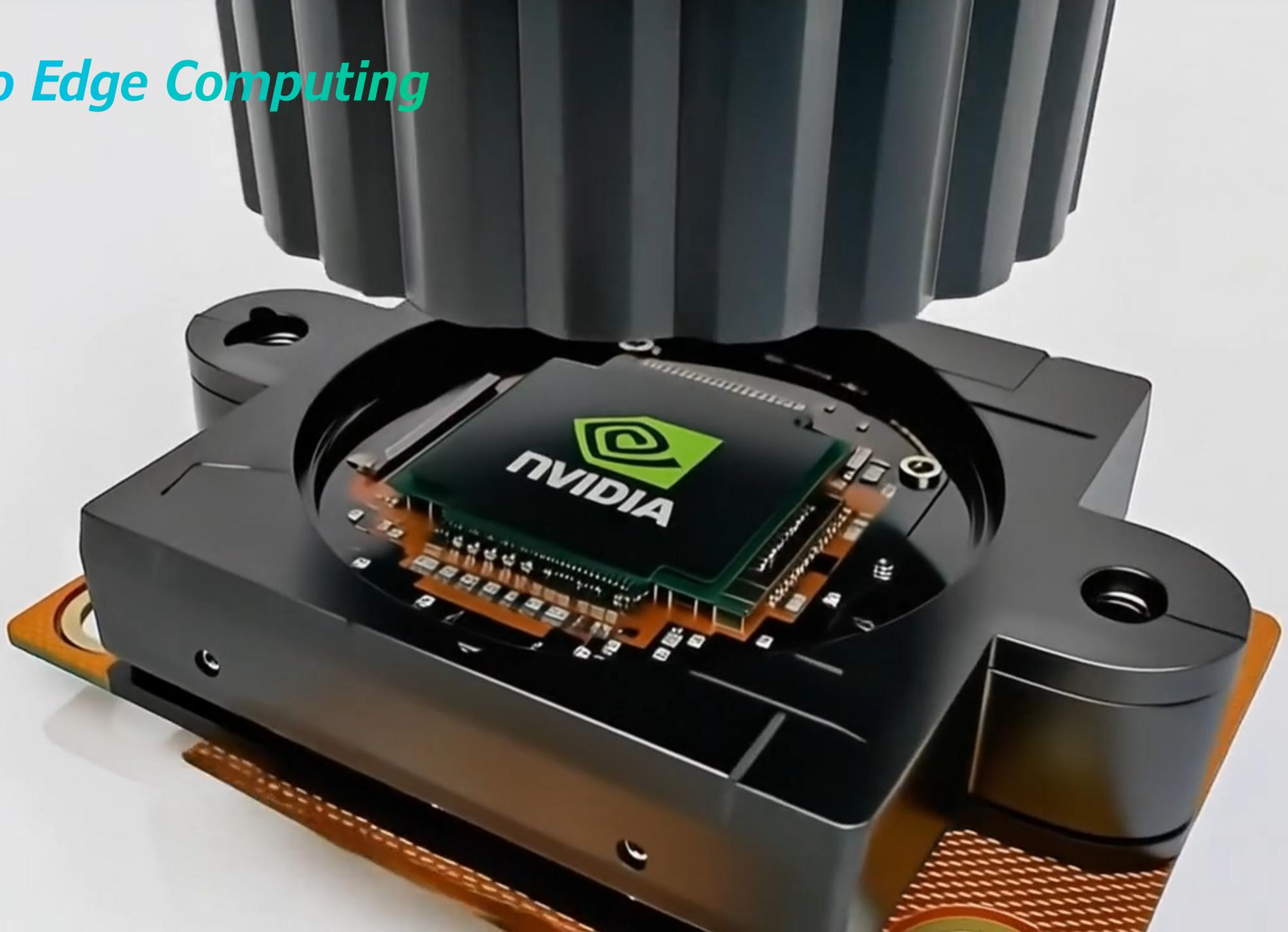




R&D Manufacturing capabilities



Camco Edge Computing



Camco Product Portfolio

RAIL AUTOMATION

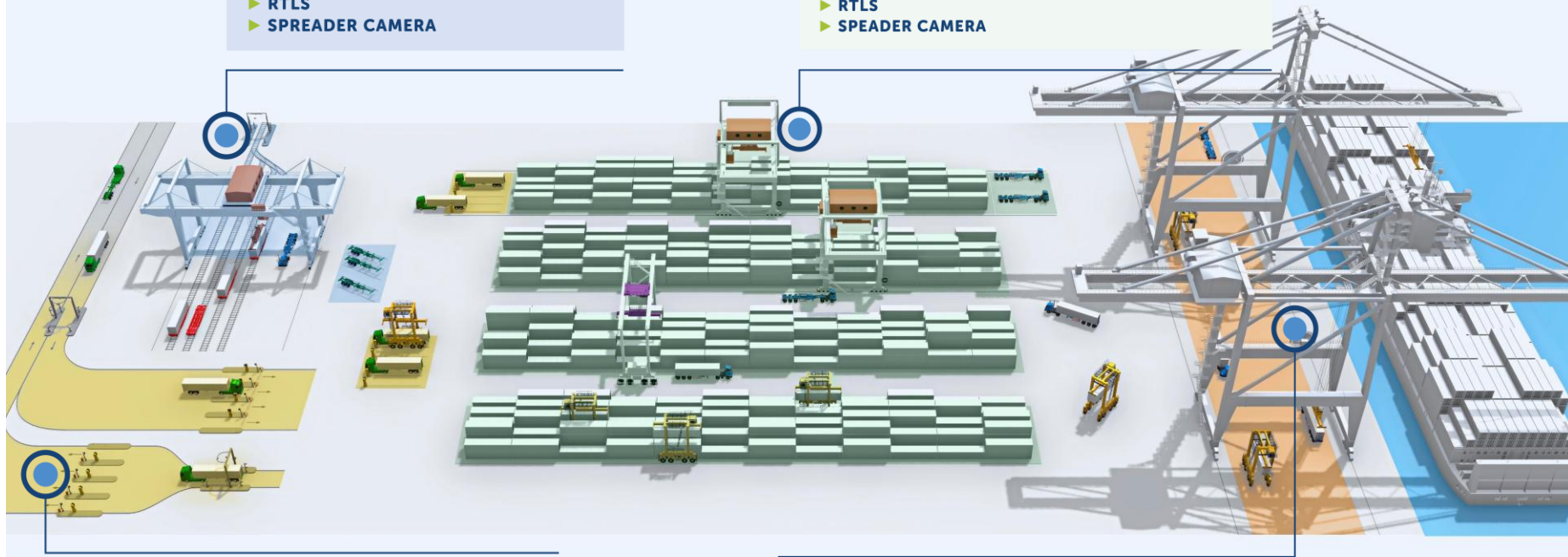
START PROCESSING TRAINS
WITHOUT DELAY AND IMPROVE
TRAIN TURNAROUND TIME

- ▶ OCR RAIL PORTAL
- ▶ RMG OCR CAMERAS
- ▶ RTLS
- ▶ SPREADER CAMERA

YARD AUTOMATION

FROM A STEP BY STEP INTEGRATION TO FULL
INTEGRATION OF TERMINAL PROCESSES

- ▶ RFID RTG/RMG TRUCK HANDOVER
- ▶ VMT MANUAL / AUTO JOB STEPPING
- ▶ RTG/RMG OCR CAMERAS
- ▶ ASC KIOSKS
- ▶ RTLS
- ▶ SPREADER CAMERA



GATE AUTOMATION

THE INDUSTRY REFERENCE IN VISION-BASED
GATE AUTOMATION SOLUTIONS

- ▶ OCR PORTALS
- ▶ KIOSKS
- ▶ VBS + ITT VEHICLE BOOKING SYSTEM
- ▶ RFID
- ▶ WEIGHT IN MOTION (WIM)

QUAY AUTOMATION

IMPROVING WATERSIDE OPERATIONS FOR A LEANER,
GREENER INDUSTRY READY FOR INCREASING TRAFFIC

- ▶ OCR BOXCATCHER
- ▶ TT AND SC IDENTIFICATION AND ALIGNMENT
- ▶ BLV BAY LOAD VERIFICATION
- ▶ RTLS
- ▶ SPREADER CAMERA



Camco BoxCatcher

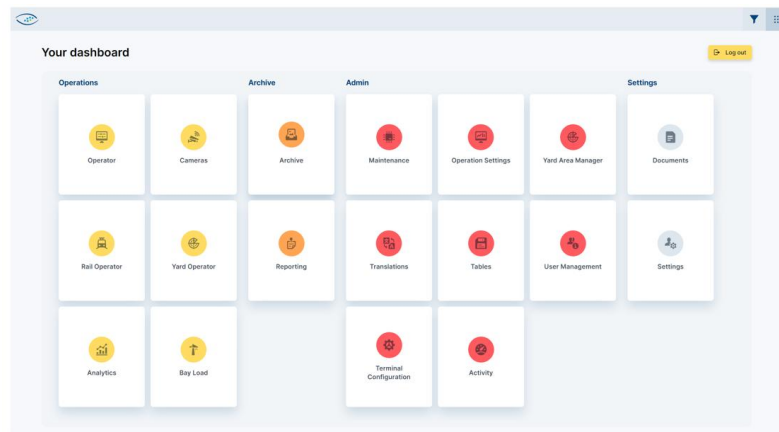
Container registration
Condition recording



Camco Product Portfolio



THE BRIDGE



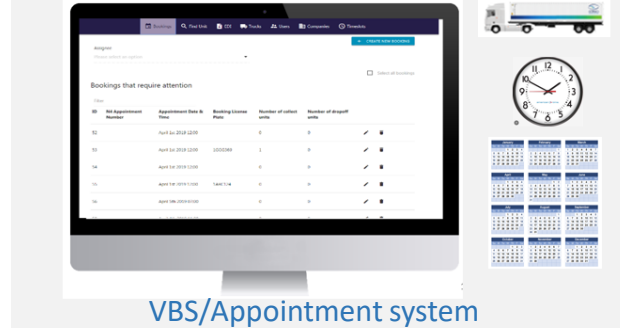
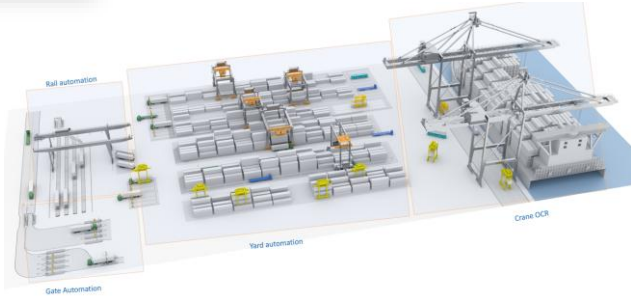
THE TWIN BRIDGE



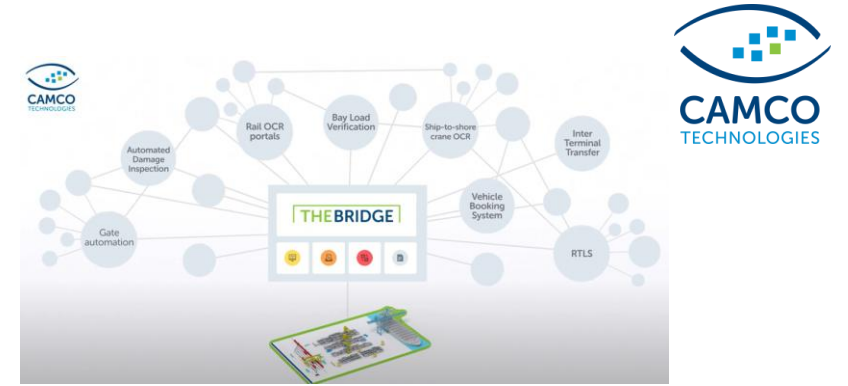
THE HUB BRIDGE



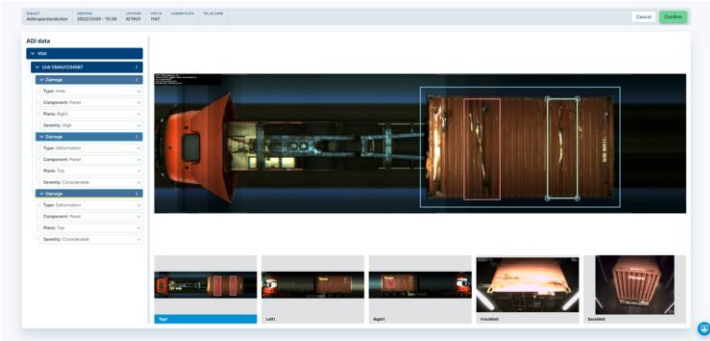
From products to software solutions



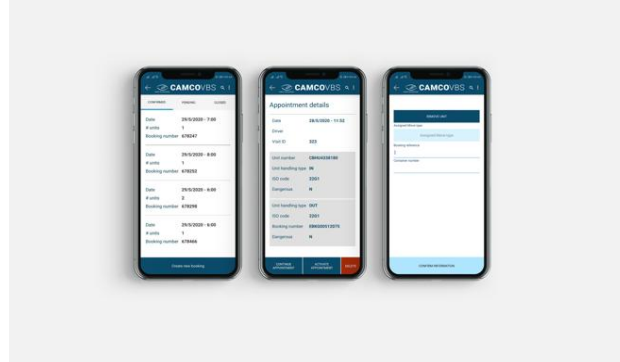
VBS/Appointment system



THE BRIDGE



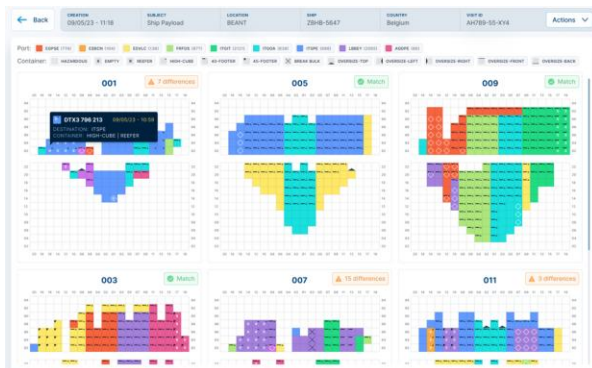
Automatic damage inspection



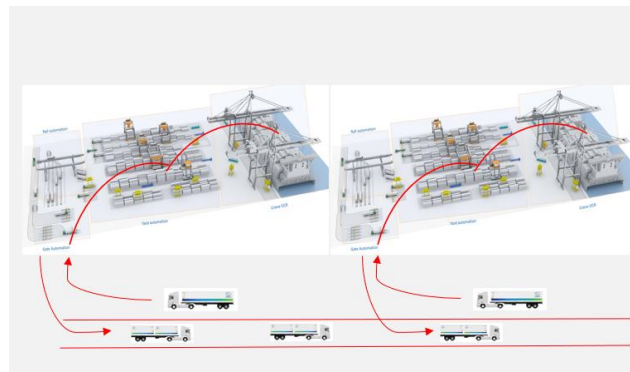
VBS Truck app



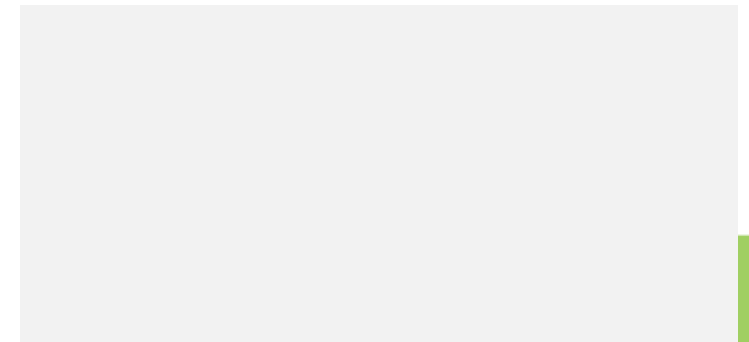
Real Time Digital Twin



BLV Bay Load Verification



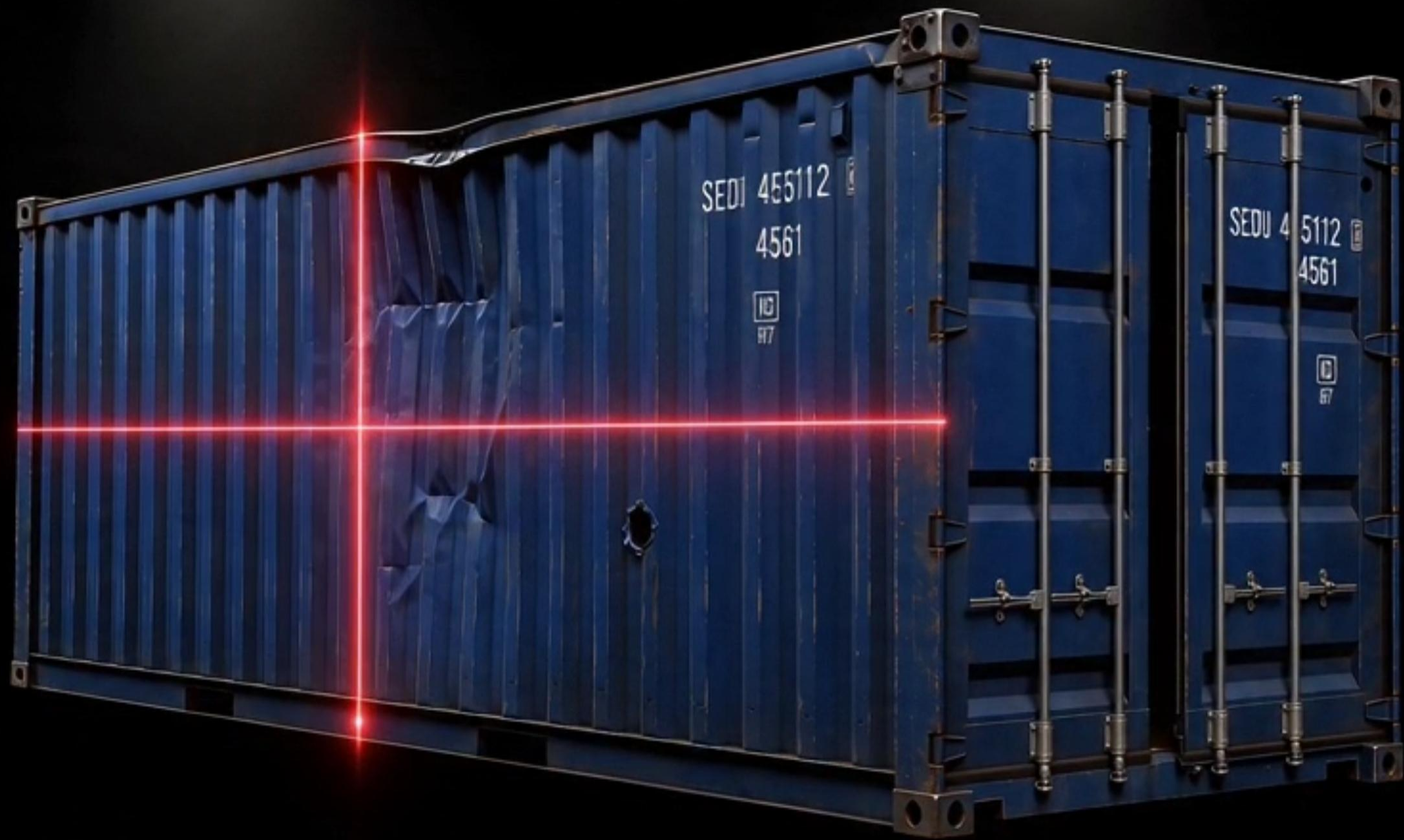
ITT Inter Terminal Transfer



More to come

Camco Container Damage Detection







ADD FOUR "DIGITAL COLLEAGUES" TO YOUR TERMINAL WORKFORCE



**Turn damage detection
into operational advantage**



SEDI 4E6112
4561

NC
EK7

SEDU 45112
4561

nc
012



SEDU 4E5112
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167

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Thank you!

