

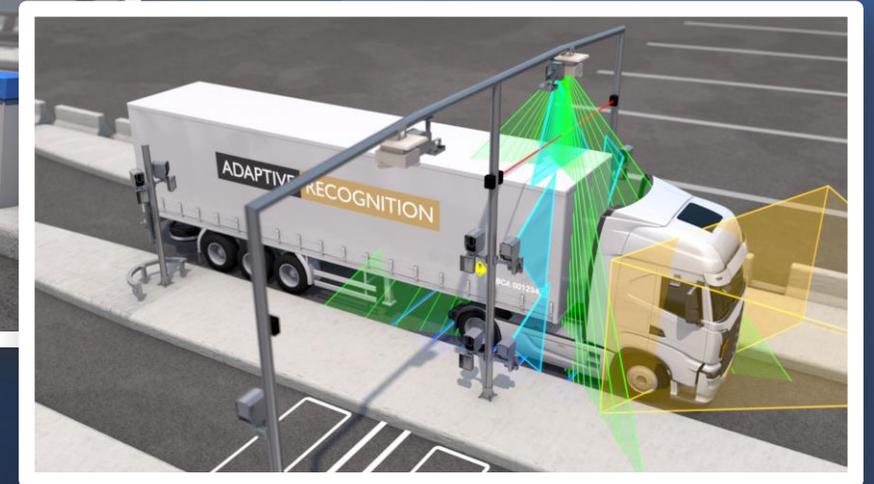
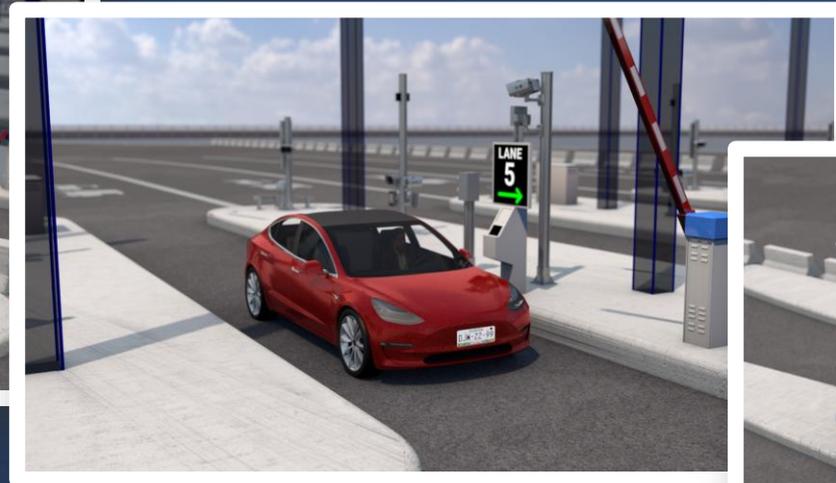
ADAPTIVE RECOGNITION

SMARTPORT CameraTech

DIGITIZING RORO FERRY PORTS

Technology of Tomorrow ... Today

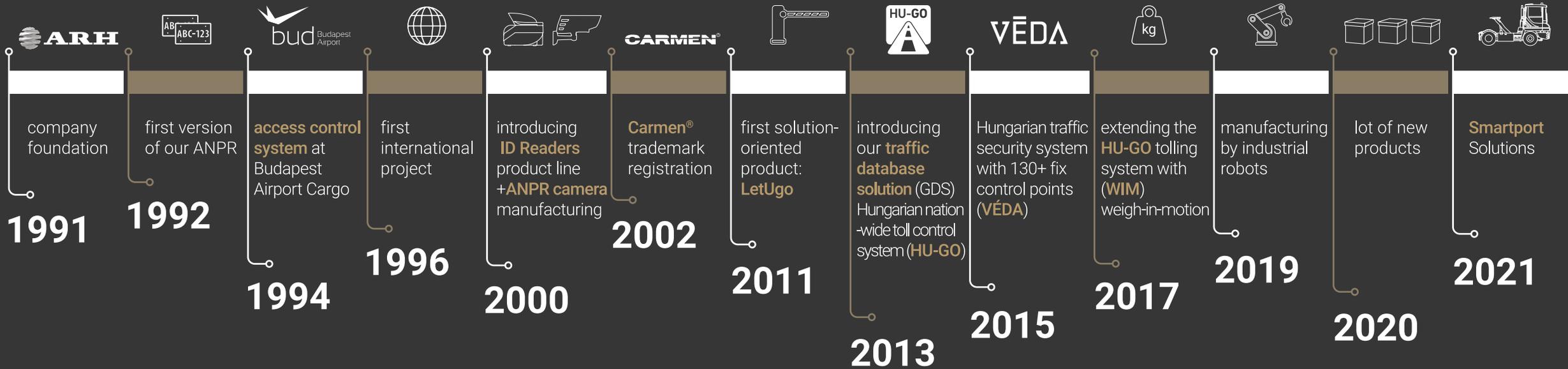
FERRY
SHIPPING
SUMMIT 2023



*Intro By Alan Tofte, Adaptive Recognition Nordic
Speaker - Per Søholt, AGICON*

Our History and Evolution

ADAPTIVE RECOGNITION



Adaptive Recognition Nordic A/S
The SmartPort Division



Adaptive Recognition Singapore Pte Ltd



Adaptive Recognition America Corp



Adaptive Recognition Hungary

+100 000 ANPR systems
+ 60 000 ID Reader systems

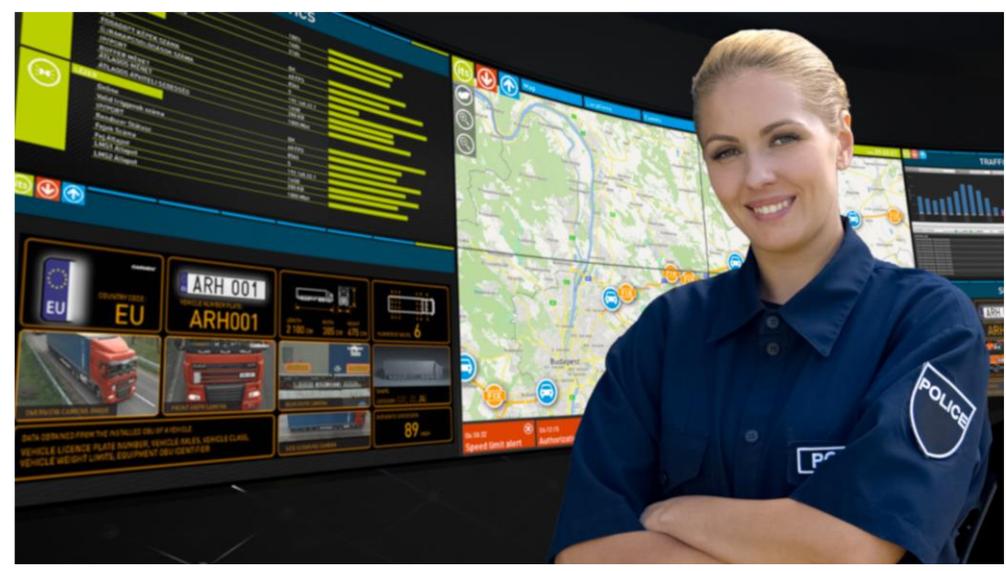
HU-GO & VEDA

REUSE OF TESTED AND PROVEN TECHNOLOGY

Hungary Nationwide ITS



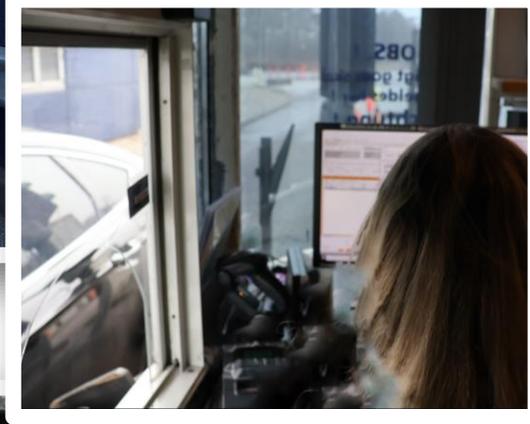
- > Automated, Distance Based Toll-System
- > 6 500 km road network
- > 126 locations + 330 traffic lanes
- > +2 000 WIM (Weight in Motion) Sensors
- > 1.5 - 2 Mio. Daily Events



The Hungarian government had a dream back in 2012: reducing fatal road accidents to half by 2020, decreasing it to near zero by 2050.

TODAY NEEDS

ADAPTIVE RECOGNITION
SMARTPORT CameraTech



Inefficiency: Manual check-ins can be slower, leading to longer waiting times.

High Staff Costs: Requires more staffing and related expenses.

Inconsistency: Prone to human errors and discrepancies in data collection.

Varied Experience: Passenger experience can be inconsistent due to human factors.

Limited Operation Hours: Restricted to staff availability, often not 24/7.

Missing Sector Standard: All have their own product standards

Reduced Security: Lacks advanced features like linked to automated license plate recognition.

Limited Integration: Challenges in merging with modern operational systems.

Limited Scalability: Handling increased volumes may require significantly more staff.

Dependent Management: Requires on-site supervision and lacks easy remote monitoring.

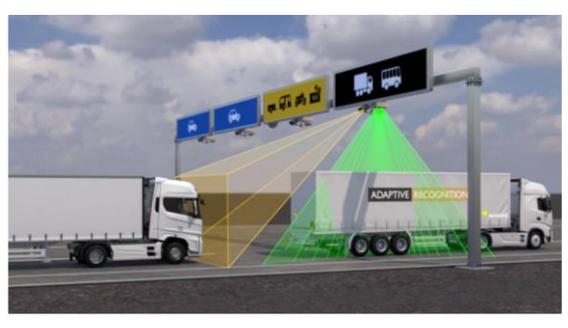
Environmental Concern: Manual processes can result in prolonged vehicle idling, leading to increased emissions and environmental impact.

SMARTPORT Projects



ADAPTIVE RECOGNITION

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1. Booking

2. Pre-Gate
Freeflow

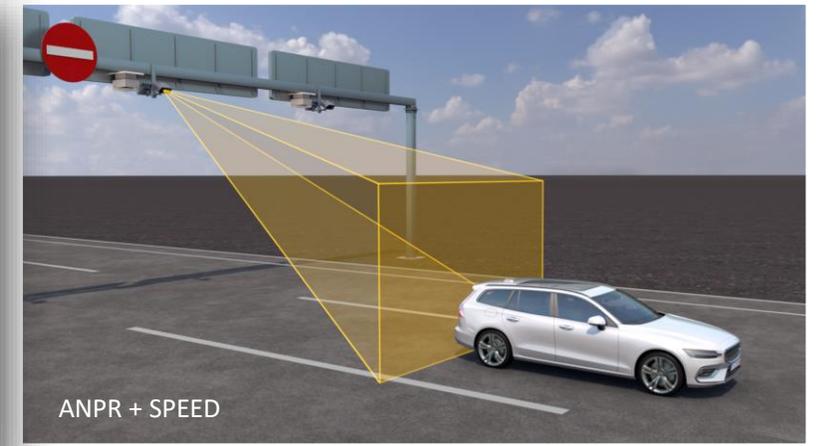
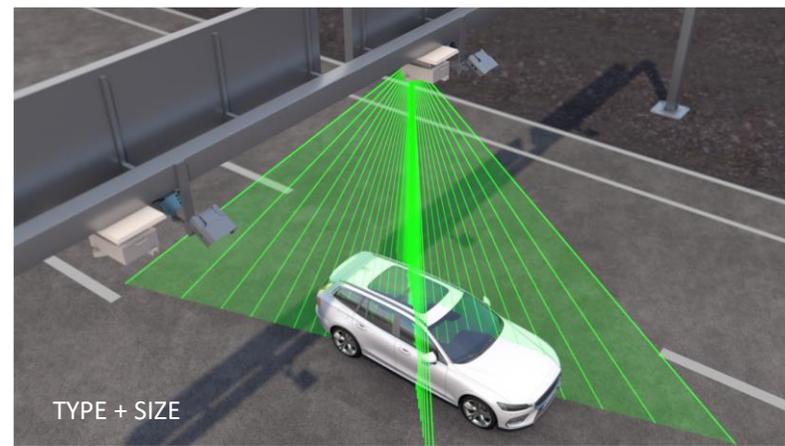
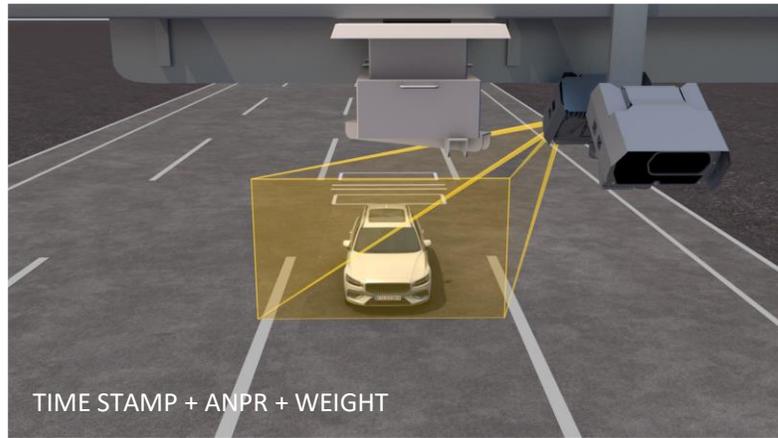
3. Check-In
Start&Stop

4. Lane-Up

5. Boarding

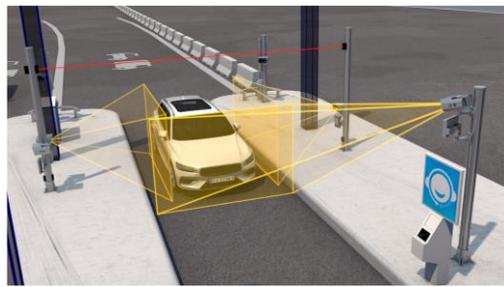
TOURIST Port Automation

PRE-GATE - High Speed

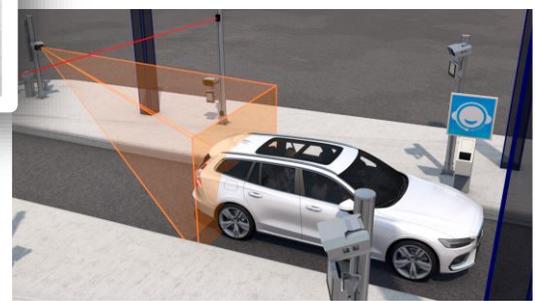


ADAPTIVE RECOGNITION SMARTPORT CameraTech

CHECK-IN - Freeflow or Start & Stop



REAR ANPR
+ HIGH ALERT



FREIGHT Port Automation

ADAPTIVE RECOGNITION
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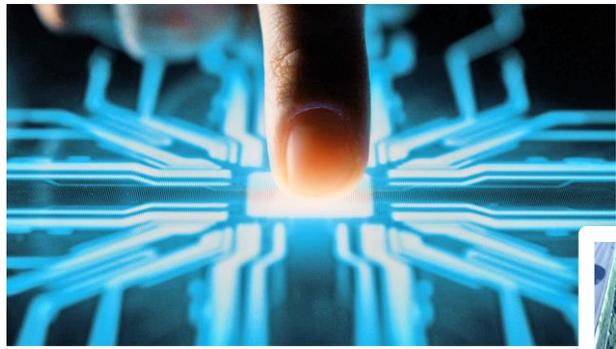
Scandlines Check-in formular

1. Reservationsnr./Reservierungsnr./Reservation no.	2. Transportør/Afsender/Unternehmer/Carrier/Consignor	3. Fragbetaler/Frachtzähler/Freight payer
4. Type og Total længde (m)/Fahrzeugtyp und -länge(m)/Type and total length(m)	5. Kunden-/Kontonummer/Account number	6. Referencens-/Projektnr./Referenznummer-Projectnummer/Reference no.-Project no.
<input type="checkbox"/> M <input type="checkbox"/> M	7. Afgang- og ankomsthavn/Abfahrts- und Ankunftshafen/Port of departure and destination Afgangshavn/Abfahrtshafen/Port of departure Ankomsthavn/Ankunftshafen/Port of destination	
8. Registreringsnr./Kennzeichen		10. Antal personer/Personenanzahl/Number of persons
11. Totalvægt (kg)/Gesamtgewicht (kg)/Total weight (kg)		
14. Godsbetegnelse/Ladungsart/Consignment		
Laschaugen/Surringsøglor: Ja <input type="checkbox"/> Nej <input type="checkbox"/>		
16. Farligt gods ADR/IMDG/Gefahrgut Ja/Yes <input type="checkbox"/> Nej/Nein/No <input type="checkbox"/>		

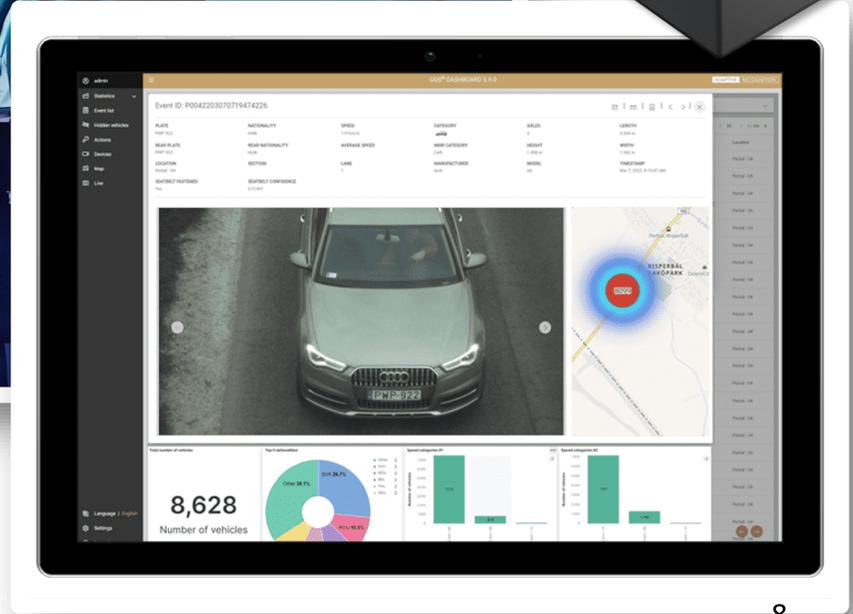
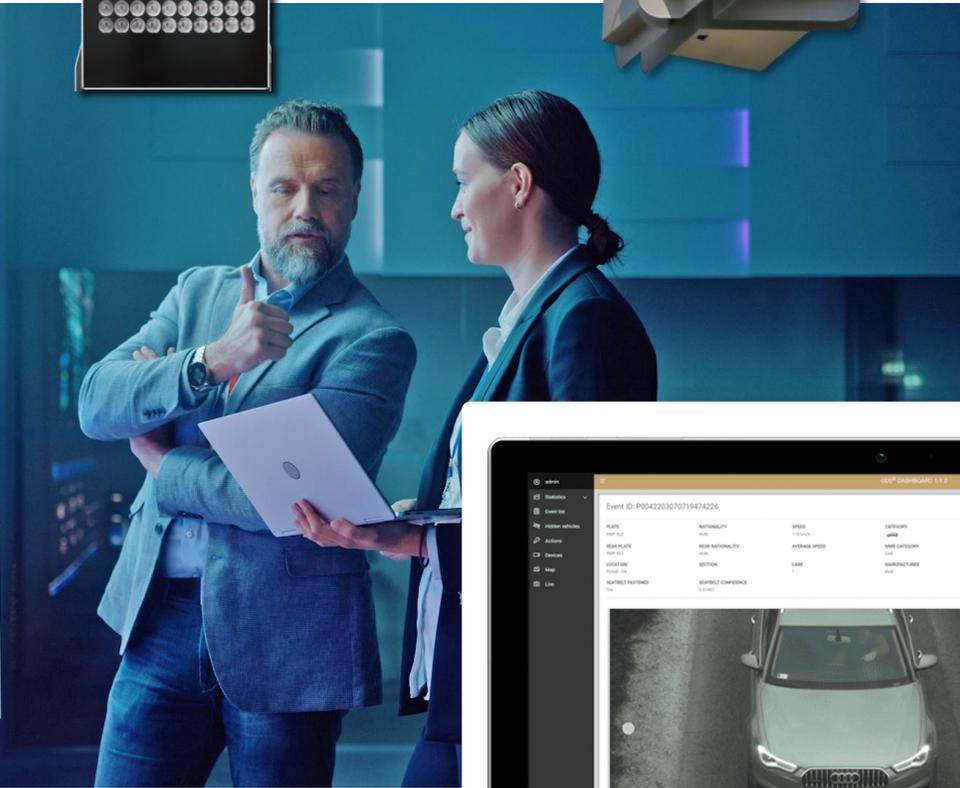
LESS EFFORT & FASTER
NO TYPING ERRORS
REDUCE EMISSIONS



- FREEFLOW METADATA**
- Timestamp & Lane
 - Direction & Speed
 - License plates with Nationality (Front & Rear)
 - Vehicle category ECTN (28 types)
 - Vehicle Maker & Model + MMR Type
 - Occupation Count (persons)
 - Trailer ID AccR (ISO 6346 (BIC), MOCO, and ILU)
 - Hazardous Labels ARD & IMO & Class
 - Height, width and length
 - Nos Axels, individual & total weight



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STAY IN CONTROL

SMARTPORT Projects

Rosslare Europort 2022-24

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