

Al Videoanalyse in der Logistikindustrie

IKT Sicherheitskonferenz Wien

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About Kuehne+Nagel

400,000

customers entrust us to manage their logistics

1,300

offices worldwide, so that we are close to our customers No. 1

sea and air freight forwarder worldwide

2030

our target year for reducing our CO2e emissions by 33%, aligned with the Science Based Targets (SBTi) 109

countries connected by our network

> 78,000

logistics and supply chain professionals who give their all every day



Transportation services

The one-stop-shop for all your transportation needs

Air Logistics Sea Logistics Road Logistics Rail Freight **Project Logistics Customs Clearance** Insurance



Supply chain services

Actively manage your supply chain by making it more efficient and reliable

Order Management Supply Chain Consulting Supply Chain Management 4PL Warehouse, Storage and **Distribution Expo and Events Hotel and Hospitality**



Industry solutions

Your specific solution – tailored for your industry

Aerospace

Automotive

Consumer

High-Tech

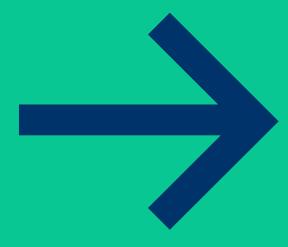
Industrial

Perishables

Pharma & Healthcare



Outlook and contributing factors



Outlook and contributing factors

1

Shortage of personnel

2

Increasing social spread within societies

3

Increasing inflation and rising costs of living (energy etc)

4

Potential loss of jobs due to current crisis

5

COVID 19 confinement measures and relaxation thereof

6

Increasing level of corruption



The challenge



Freight at rest is freight at risk



Our daily security challenges How do offenders operate?





Armed hijacking

High level of violence against drivers & security guards
Theft of full truckloads of merchandises



Theft from premises

Forced entry into vehicles, containers, swap bodies staged in shipping yards or theft & pilferage (inside warehouse)



Trafficking

Introduction of illicit drugs, weapons etc into legitimate supply chains



Fake carriers

Theft by deception. Mostly associated with fake carriers offering transport services through web-platforms.



Warehouse heists

Generate high financial losses for customers. Weak warehouse security layout increases likelihood of warehouse heists

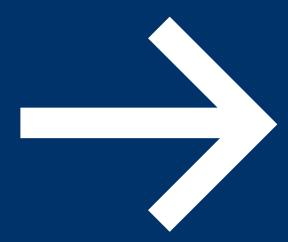


Theft of load from vehicle

Mostly used modus operandi, in particular affecting vehicles staged in unsecure parking locations or company yards.



Risk mitigation by Alsupported CCTV systems



Available standard task use cases



Safety & security



Distance between persons



Grouping of persons



Vehicles moving into wrong direction



Person lying on the ground



Person slipping



Person running



PPE compliance



Compliance with hygiene rules



Detection of hazards



Fire & smoke detection



Detection of misplaced equipment



Detection of vandalism

Security task use cases and fields of application





Vehicle / person entering into virtual clear zone

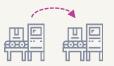
- Virtual perimeter intrusion detection system
- Surveillance of trailers and containers staged in loading and unloading yard*
- Supplementary warehouse intrusion detection system
- Surveillance of vehicles by means of onboard cameras while being parked for overnight rests*

* In combination with detection of suspicious behaviours



Detection of firearms

- Detection of active shooters incidents, armed assaults and acts of terrorism
- · Armed warehouse robberies
- Armed hijacking of vehicles (usage of concealed on-board cameras)



**Detection of suspicious behaviours (persons/vehicles)

- Detection of forced entries (usages of power tools/handtools)*
- Detection of internal thefts, introduction of articles, tampering
- Enhanced access control In combination with number plate recognition

** under development

Security task use cases and fields of application





Detection of violence

- Detection of workplace violence
- Detection of warehouse robberies involving violence
- Hijacking of vehicles by means of violence by on-board cameras



**Detection of items left behind by a person

- · Detection of internal thefts
- · Detection of assaults / acts of terrorism



**Detection of tailgating

 Detection of unauthorised access to sensitive areas by means of tailgating

** under development



Inspire. Empower. Deliver.

