

KUEHNE+NAGEL



Digitalisation and Industry 4.0



16 May 2018

74,000 logistics experts



SEAFREIGHT

More than
4 million
TEUs handled

AIRFREIGHT

1.35 million
tons handled

CONTRACT LOGISTICS

Over *10 million m2*
warehousing & logistics space

OVERLAND

18.5 million
shipments



Overview

Dedicated Solutions for the World's Major Industries

Aerospace



Automotive



Consumer



High-Tech



Industrial



Oil & Gas



Pharma & Healthcare



Retail



KN Italy Overview



Employees
~ 2,200



Head Office in
Calvignasco
(Milan area)



Over
33 locations



Warehousing
Space
~ 600,000 sqm



Our Mission



We *improve* our customers' performance by driving value chains through *people, expertise,* and *technology.*



KN Global – Contract Logistics

Continuous Improvement - Global Innovation Team

Discovery and implementation of new technologies

To maintain our leading position in the market, KN has a strong focus on adopting new technologies available in the market.

- Dedicated team
- Active innovation community
- Share experience worldwide
- Quick roll-out on large scale
- In-house expertise for prototyping and customization

KN is managing new solutions, technologies and ideas worldwide in order to leverage promising local projects to a global scale. There is a dedicated team to discover, test, coordinated and implement the innovations through KN operations.



KN Italy CL

Innovation (1/3)



x Number of whs's involved

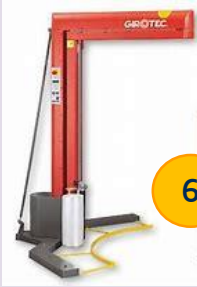
IMPLEMENTED

Pick by Voice



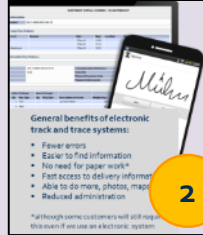
5

Automatic machines



6

Zebra



2

RFID



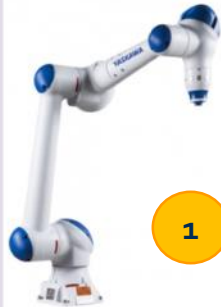
2

P2L



2

Cobot



1

Lean Lift



1

Black box



4

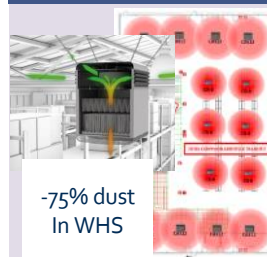
Drone



6

IN PHASE OF EVALUATION

Air Cleaner



-75% dust
In WHS

AGV (remote control forklift)



Lithium Batteries



Cleaning Machine



2

Autostore



Please look at:
<https://youtu.be/XnynglohxSs>



Partnership
started year 2014

Control Tower in
Luxemburg

2 Global HUB's in
USA and Germany

Several Market
Warehouses

Italy Warehouse
2.400 sqm
TC 15-25°





Kuehne Nagel Italy & Roche Diabetes Care Italy won the **Logistics Award of the Year 2017** – **Section Innovation** thanks to the introduction of the COllaborative coBOT to manage the labeling activities inside the Roche Diabetes Care Warehouse

Please see video

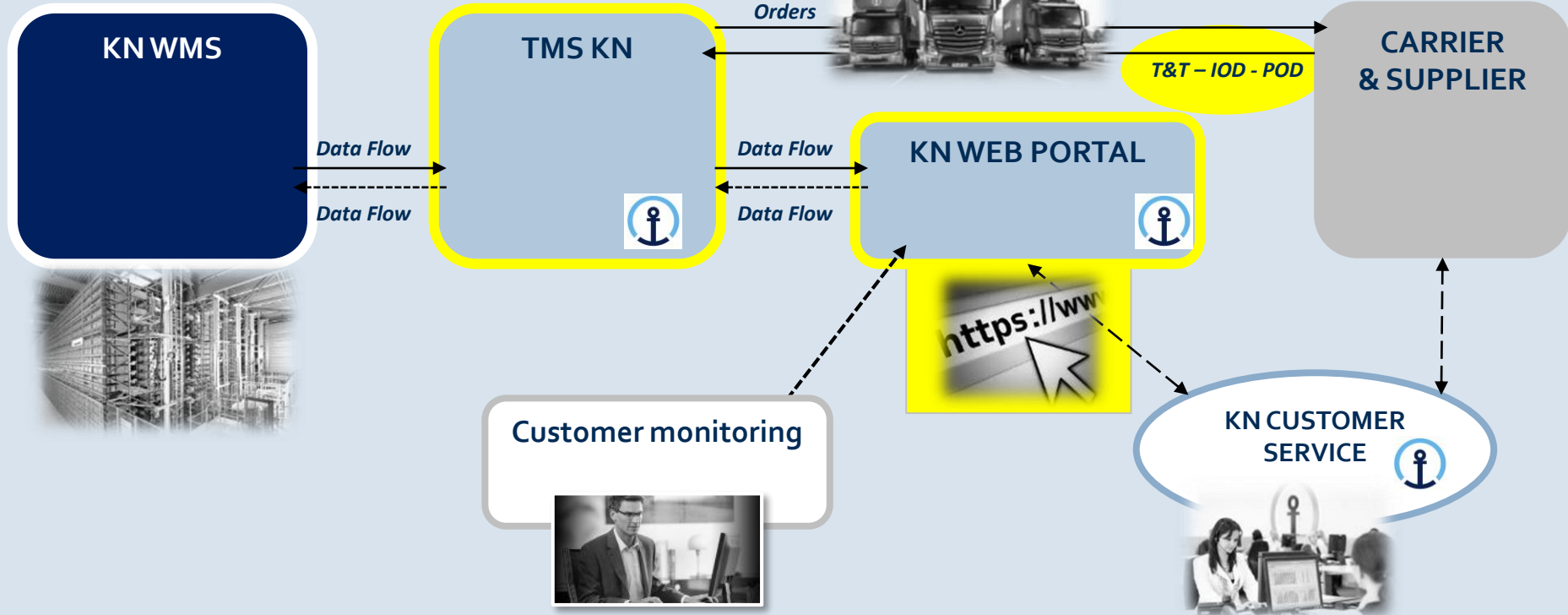




Today, consumers expect everything to be available *anytime and anywhere.*

KN Italy CL

A full IT Integrated solution





KN Login: 360° visibility. Active Control - Freight Service Customer Information System



- Premium visibility, monitoring, collaboration and information management in one solution
- Complete bird's eye view of entire inventory in motion
- Collaborative platforms improve productivity, efficiency and usability
- Immediate exception alerting and proactive event management helps streamlining decision making and contingency planning
- Modular structure ensures best fit to customer's business requirements
- Globally standardised system enabling fast, targeted access to relevant data





Thank You