



KNAPP

Knapp Italia
19 Ottobre 2023



***«Nuovi orizzonti nel Factory
Automation
e Material Handling»***

Alessandro Stea
Sales Manager ApoStore

Factory concept evolution since 19th century to today



„1800“



„1900“



„2000“



„Tomorrow“

KN△**PP**

KNAPP evolution from 1952 to today



Günter Knapp

Founder 1952



Knapp very 1st product

1953



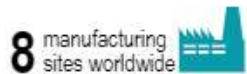
Knapp OSR Evo System

Today



KNAPP at a Glance

[#valuechaintechpartner](#)



Core sectors



Healthcare



Retail



Fashion



Wholesale



Food



Industry

Certifications



Quality Management
ISO 9001

Occupational
Health and Safety
ISO 45001

Environmental
Management
ISO 14001

Information Security
ISO 27001

Anniversaries



70 years KNAPP AG

25 years KNAPP Systemintegration

25 years KNAPP Sudamérica

10 years KNAPP IT Solutions

10 years KNAPP Benelux B.V.



2021 Rank	Company	Headquarters
Top 5 (Warehouse Automation Revenues over \$1,350 million)		
1.	Dematic (KION SCS)	Atlanta, GA (USA)
2.	Vanderlande	Veghel, Netherlands
3.	KNAPP	Graz, Austria
4.	SSI Schaefer	Neunkirchen, Germany
5.	Intelligated	Mason, Ohio (USA)
Rank 6 – 10 (Warehouse Automation Revenues \$1,350 million - \$500 million)		
6.	Daifuku	Osaka, Japan
7.	Witron	Parkstein, Germany
8.	MHS Global	Louisville, Kentucky
9.	TGW Logistics	Marchtrenk, Austria
10.	Swisslog	Buchs, Switzerland
Rank 11-20 (Warehouse Automation Revenues \$500 million - \$91 million)		
11.	Bastian Solutions	Carmel, IN (USA)
12.	Symbotic	Wilmington, MA (USA)
13.	Körber	Hamburg, Germany
14.	Murata Machinery	Kyoto, Japan
15.	Fortna	Atlanta, GA (USA)
16.	Fives Group	Paris, France
17.	System Logistics	Fiorano Modenese, Italy
18.	Savoye	Dijon, France
19.	Gebhardt	Sinsheim, Germany
20.	Kardex Mlog	Neuenstadt am Kocher, Germany

Forbes

Top 20 Warehouse Automation Suppliers

“KNAPP was the world’s third largest warehouse automation provider. KNAPP AG is a privately-held company with more than 6,000 employees. KNAPP offers integrated warehouse systems and logistics software solutions.”

KNAPP ranked nr. 3 of the Forbes 2022

TOP 20 Warehouse Automation Suppliers





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KNAPP, not just intralogistics, not only OSR systems.

Solutions

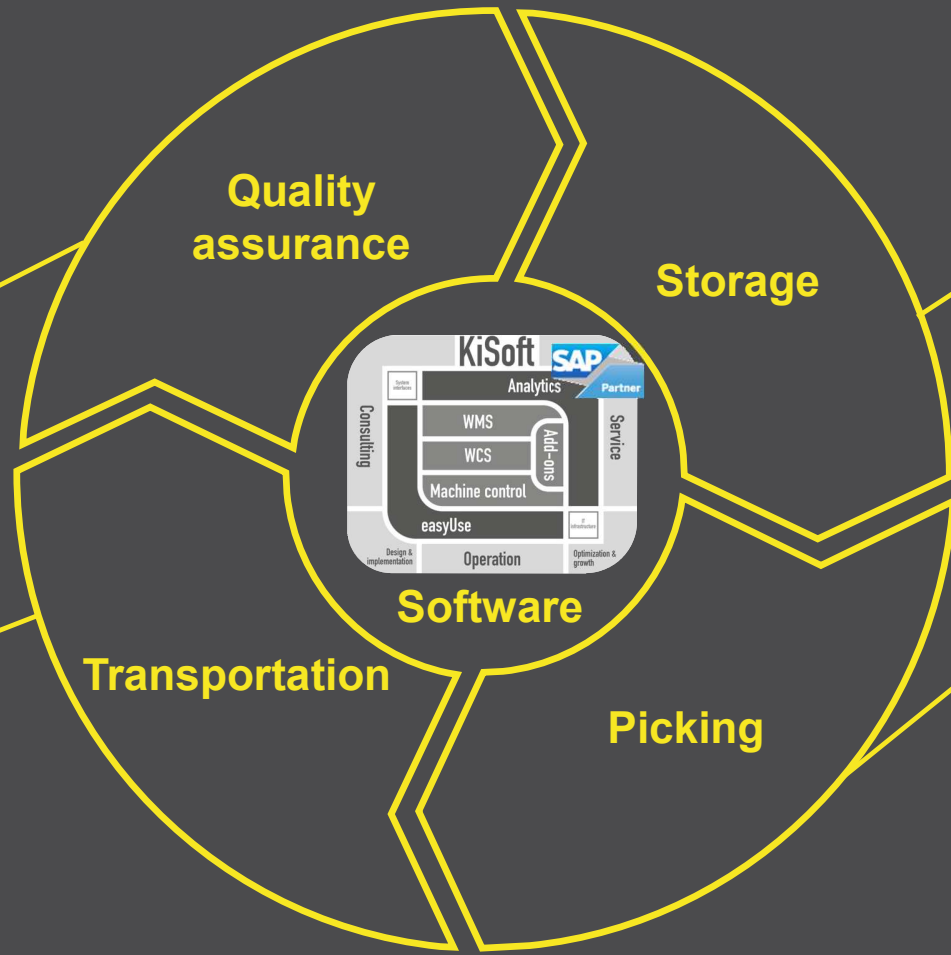


Zero-defect solutions (ivii)
assembly without errors,
quality assurance



Open Shuttle
flexible, autonomous transport

Tugger train loading
automatic, manual

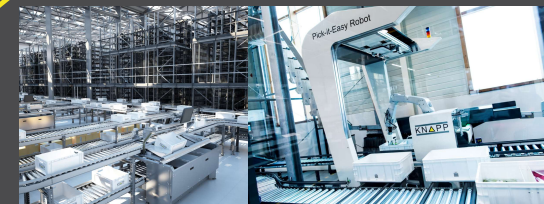


**OSR Shuttle™ Evo, Miniload,
Pallet High Bay**
store, sequence, transport

INDU-Store
small parts warehouse



Pick-it-Easy
picking work stations, robot



OSR Shuttle™

A tailored system

- The modular structure of the OSR Shuttle™ makes it highly adaptable – a system that can be precisely tailored to your warehouse processes!



OSR Shuttle™

Basic principle

LIFT SYSTEM

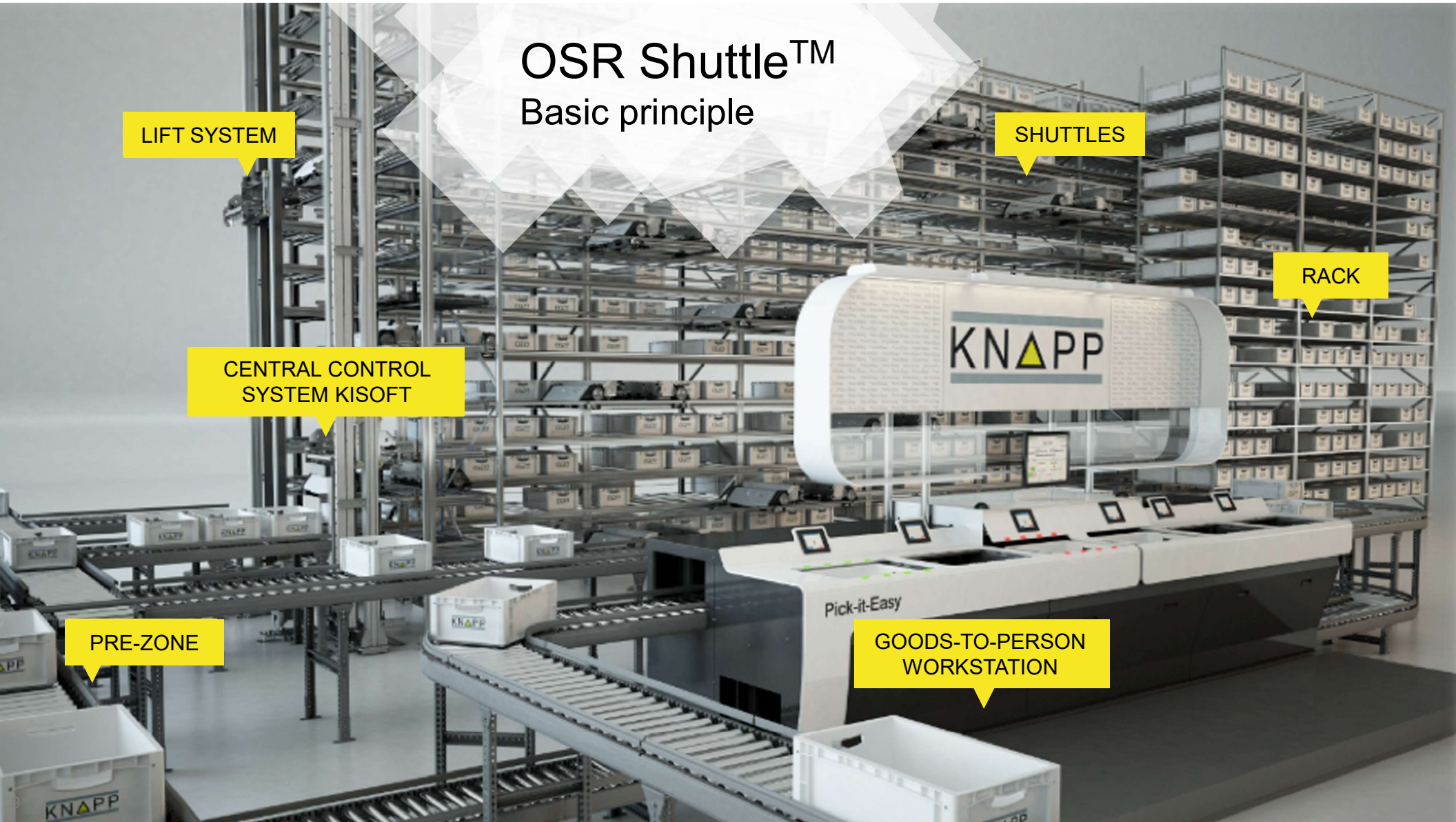
SHUTTLES

RACK

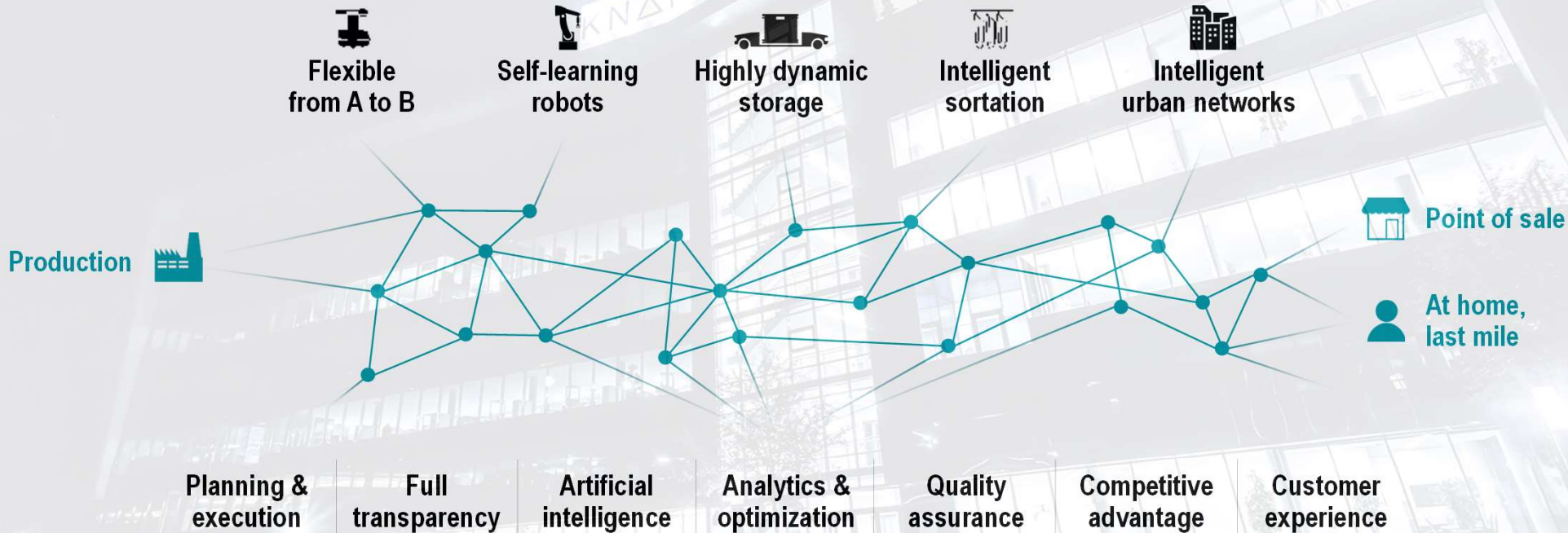
CENTRAL CONTROL
SYSTEM KISOFT

PRE-ZONE

GOODS-TO-PERSON
WORKSTATION



What does your value chain need?



Process Challenges

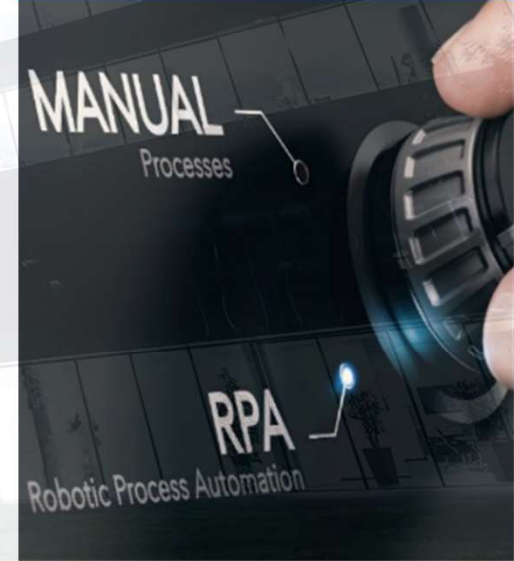
Increasing number of interconnected processes



Constantly changing processes

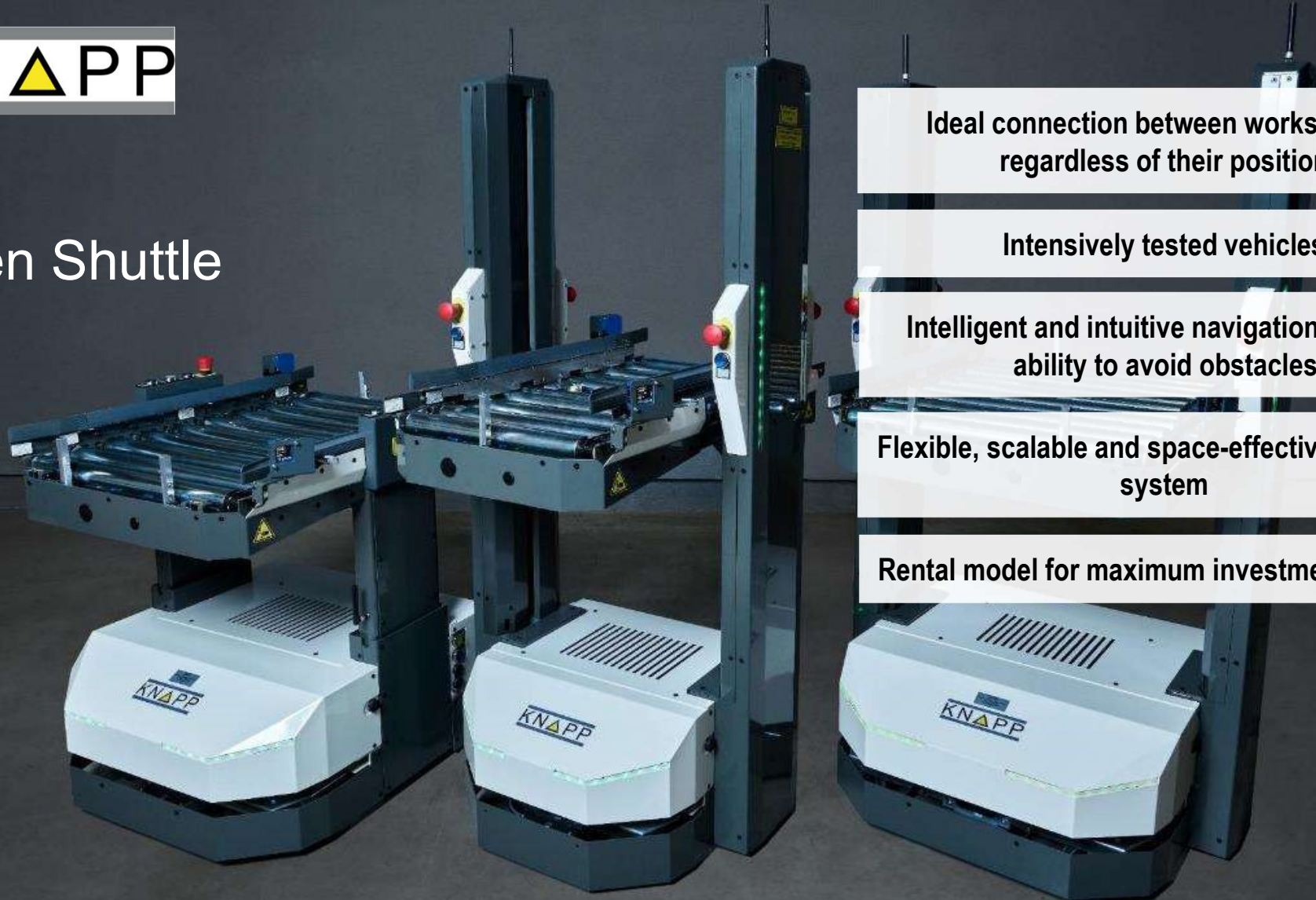


Automation of special processes



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Open Shuttle



**Ideal connection between workstations
regardless of their position**

Intensively tested vehicles

**Intelligent and intuitive navigation plus the
ability to avoid obstacles**

**Flexible, scalable and space-effective transport
system**

Rental model for maximum investment security



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Travels omnidirectionally and can rotate on its own axis

Very little space required, minimal aisle widths and keeping floors free

No adaptation to infrastructure required and easy integration into existing environment

Scalable and flexible transport system, absolutely safe for people

Open Shuttle Fork

Solutions

Open Shuttle is a flexible automation solution



- Cost-efficient solution and different purchase and rental models
- Scalable system
- Transport paths remain free

Configurable by the user



- Simple layout control
- Simple simulation environment
- Cooperation between human and machine
- DIY installation

One vehicle for multiple applications



- Pallet classification and obstacle detection in the standard design
- Short delivery times
- VDA 5050 controller and agent
- Maximum freedom of movement in minimum space



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The simulation allows the user to test new use cases, changed layouts and processes in advance.

Transport order management for manual and automated vehicles

Vehicle control system independent of the manufacturer

Intelligent optimization of transport paths and traffic volume

Easily configurable, scalable and changeable by the user

KiSoft FCS

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Digmesa Polyform AG



Digmesa Polyform AG

- Core business: Producing flow sensors
- Annual revenue: € 18,5 M
- Employees: 70
- Open Shuttles connect injection molding machines with component warehouse
- Transport and sorting of completed injection molded parts and empty containers

Ispach, Switzerland





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***“The flexibility we gain
by using Open Shuttles
is incredibly valuable.”***

Digmesa Polyform AG | CEO
Dominik Huber



KN  **PP**

Pankl Racing AG

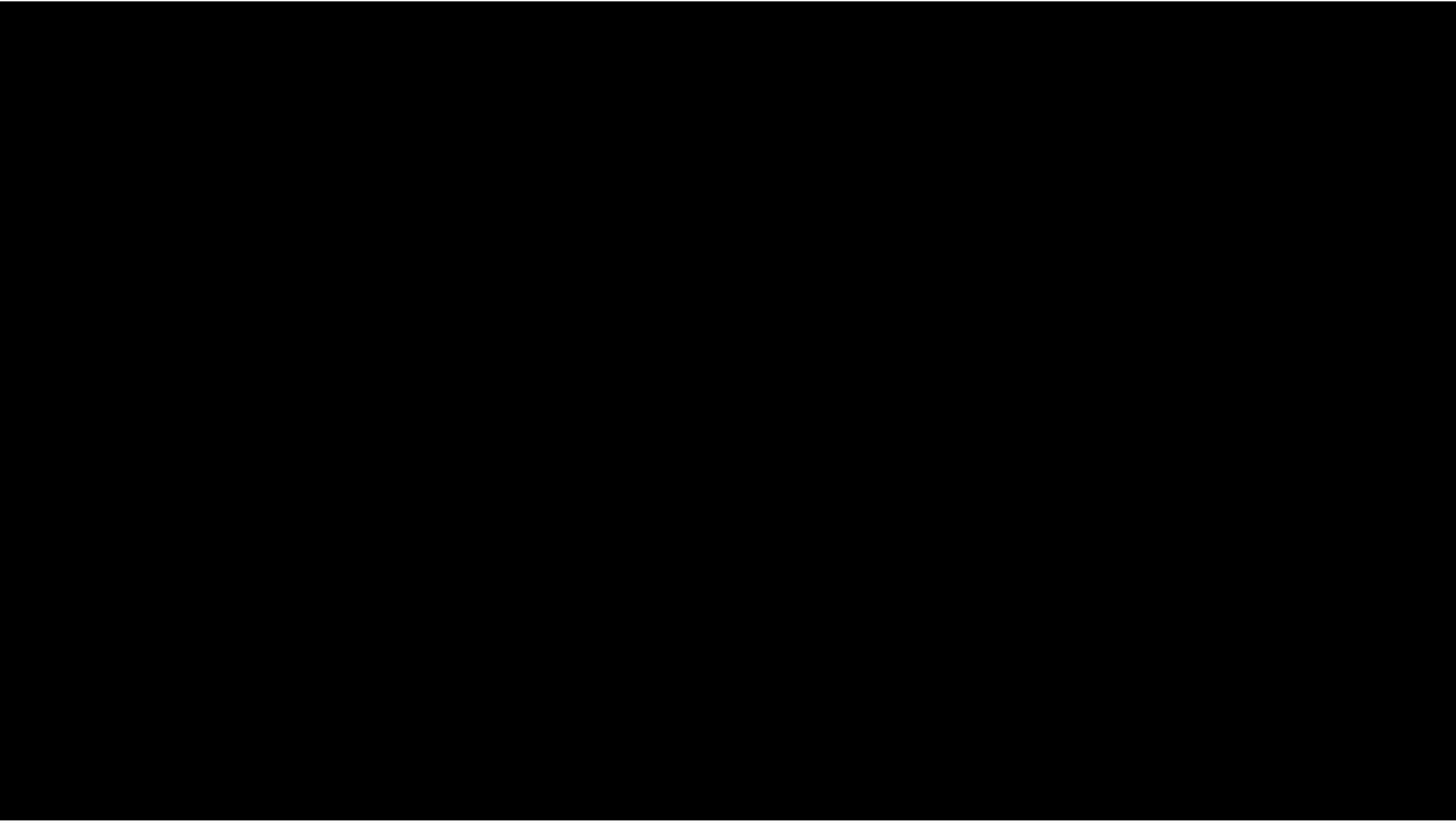
Pankl Racing AG

- Core business: Producing high-quality drivetrains for motor racing, luxury automobiles and aviation industry
- Annual revenue: € 285 M
- Employees: 2.140
- Small parts warehouse for storage and assembly of motorcycle drivetrains
- Assembly at ivii smartdesks: ivii smartdesk is equipped with a real-time feedback system that monitors drivetrain assembly to implement a zero-error strategy and a full traceability in the assembly process

Kapfenberg, Austria



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“From the original raw piece to the finished item, Pankl reaches a new level with these production solutions involving the integral connection of all manufacturing processes, quality data, operating data and assembly data. We reach a high level of transparency and traceability and, therefore, a high efficiency in processing. We have certainly created a best-practice application for integrating production in a network.”

Pankl Racing AG | COO
Christoph Prattes





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In a world where everything
is constantly changing,
strong values
and trust matter.
Partnership matters.

KNAPP Italia S.R.L.

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