



KN△PP

**Intelligenza Artificiale & robotica nella
logistica:
Pick It Easy Robot**

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www.knapp.com

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**Which challenges
are logistic currently facing?**

Challenges



Labor shortage



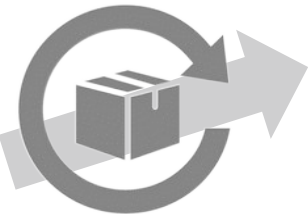
Repetitive & monotonous tasks



Night shifts & overtime



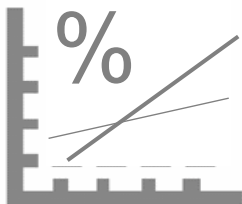
Error rates



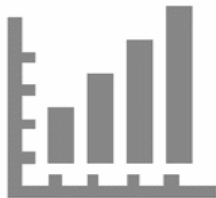
Changing products & increasing order volume



Availability & business continuity



Growth strategy



Return on investment

Industries



Fashion



Retail



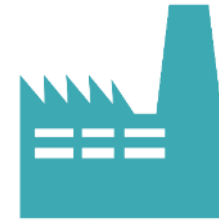
Wholesale



Food Retail



Healthcare



Industry

The background is a detailed, multi-level industrial factory with complex machinery, conveyor belts, and structural beams. Overlaid on this scene is a futuristic digital interface. A central, glowing blue head icon, composed of a grid of dots and a circular pattern, is surrounded by a network of glowing blue lines and circular nodes. Some nodes contain icons like a gear, a document, and a person. The overall color palette is dominated by blues and greys, with some warm orange and yellow lights from the factory's interior.

Wich role can AI & robotics play in this challenges?



Pick-it-Easy Robot

Pick it Easy Robot: where and what



Pick-it-Easy Robot for Order Picking

Best-in class technology

- **AI-powered vision system** for object recognition and precise grip point calculation
- Dexterous robot gripper for **reliable and accurate handling** of different types of shapes and packaging
- AI-powered placing algorithms for **high density** in shipping containers or cartons
- **Automatic error-handling** for efficient operation



Pick-it-Easy Robot for Order Picking

Process

see

pick

scan

place

learn

- article dropping or systematic and gentle placing of articles
- optional scanning of article codes
- intelligent object recognition and grasping point calculation
- performant handling of wide range of articles
- continuous learning and improvement



Pick-it-Easy Robot

Industrial-grade solution

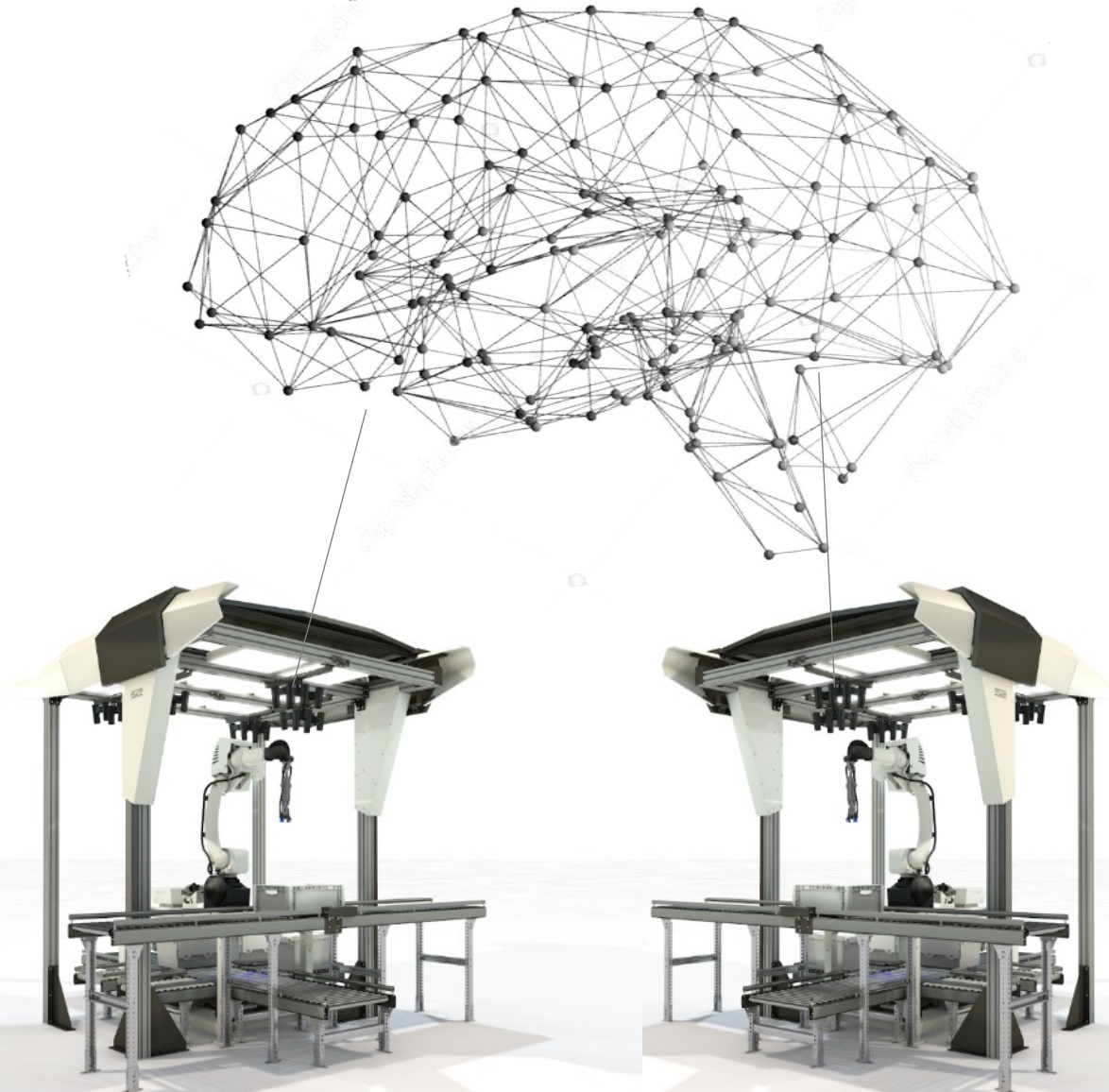
- **Tried and tested** solution in different industries
- **High-quality** components for performance, high availability, **longevity** and **low maintenance costs**
- Global **24/7** helpdesk **support**
- **Established and reliable technology partner** providing product lifecycle management (service guarantee, retrofit)



Pick-it-Easy Robot

AI & cloud robotics

- **Easy transfer of robot intelligence (Covariant Brain)** to other robot stations and sites in a roll-out scenario thanks to **cloud robotics**
- **Secure** and **anonymous** data collection and storage in the **KNAPP Data Hub**
- **AI-model training** to improve object recognition and grip point calculation
- **AI-model testing & implementation** on demand (included in software license)



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Boots

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 APOTEK 1
Vår kunnskap - din trygghet

BESTSELLER

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

KNAPP

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