KNAPP AT A GLANCE

Reporting date: March 31, 2024

Headquarters
Austria
Hart bei Graz

1952 founded

~3,600 installations of KNAPP group **worldwide**

57 subsidiaries* and sales partners

11 production locations

80 million EUR investment in research and development 4.5 % of turnover

Approx. **2.0 billion** EUR turnover in fiscal year 2023/24

Employees

~7,700 worldwide

~1,700 in Software

~4,100 in Austria

2,200 in Customer Service

of which **1,150** Resident Engineers

Responsibility

90 children in the KNAPP-Kinderwelt day care center

140 apprentices in training KNAPP group

727,984 kWh electricity generated in house Hart bei Graz location

Core industries

Fashion · Food Retail · Healthcare · Industry · Retail · Wholesale

Certifications

ISO 9001 Quality management

ISO 45001 Environmental management

ISO 14001 Occupational health and safety

ISO 27001 Information security

KNAPP

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.	Intelligrated	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

KN▲PP

Solutions

KN∆PP

Quality assurance

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

Open Shuttle
flexible, autonomous transport

Tugger train loading
automatic, manual

Storage

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

INDU-Store
small parts warehouse

Software

KiSoft SAP Partner

Analytics

WMS

WCS

Add-ons

Machine control

easyUse

Consulting

Service

System interfaces

Operation

Design & implementation

Optimization & growth

Infrastructure

Transportation

Work Stations

Transportation

Picking

Pick-it-Easy
picking work stations, robot

2020-2024
The world we used to know, doesn't exist anymore

Consumer's habits have changed

Challenges

Labor shortage

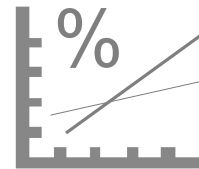**Repetitive & monotonous tasks**

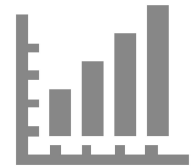**Night shifts & overtime**

Error rates

Changing products & increasing order volume

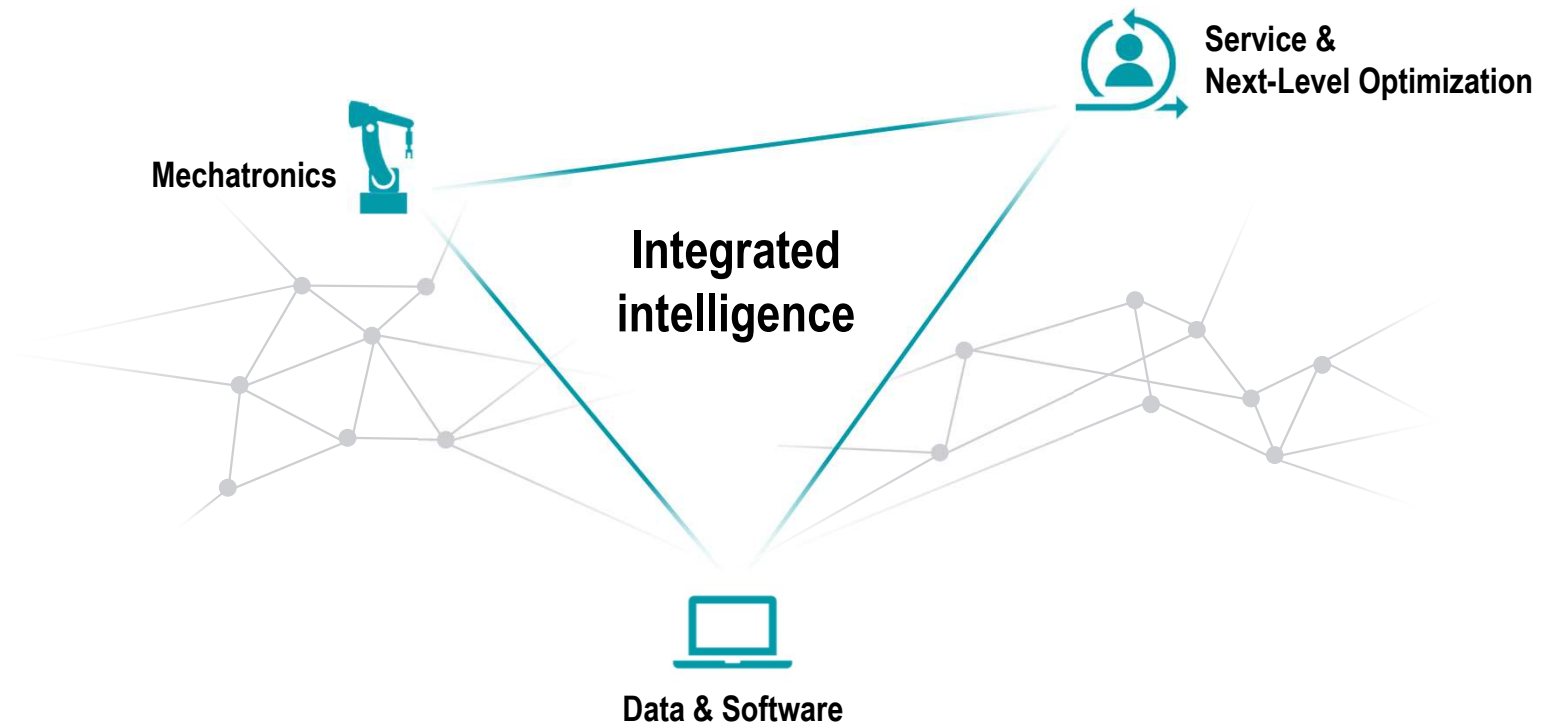**Availability & business continuity**

Growth strategy

Return on investment

This is our DNA

KN▲PP

Mechatronics

Service &
Next-Level Optimization

Integrated
intelligence

Data & Software

Which role can AI & robotics play in these challenges?

KNΔPP

Pick-it-Easy Robot

Pick it Easy Robot: where and what

Pick-it-Easy Robot for Order Picking

KNAPP

Process

see — intelligent object recognition and grasping point calculation

pick — performant handling of wide range of articles

scan — optional scanning of article codes

place — article dropping or systematic and gentle placing of articles

learn — continuous learning and improvement
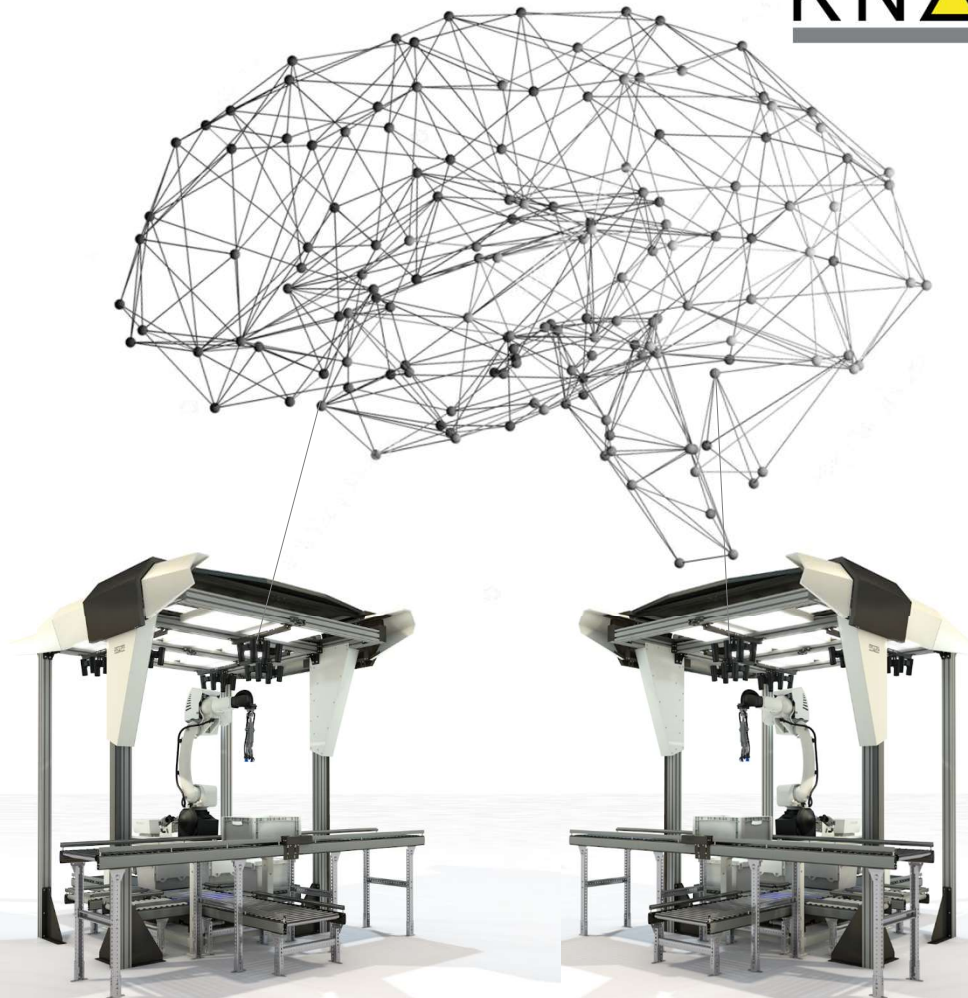
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Pick-it-Easy Robot

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)

Long-standing customers around the world

KNAPP

in operation

in deployment

in operation	in deployment
MCKESSON	GEODIS
WÜRTH	WÜRTH
eMAG	
Sigma Healthcare	Woolworths
DKI Logistics Group	SHUFERSAL
GXO Logistics at full potential	
Boots	SAINT-GOBAIN
BRØDRENE DAHL	KUEHNE+NAGEL
ESTĒE LAUDER	APOTEK 1 Vår kunnskap – din trygghet
	BESTSELLER

knapp.com | confidential

Pick-it-Easy Robot

KNAPP

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

Partnership matters.

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