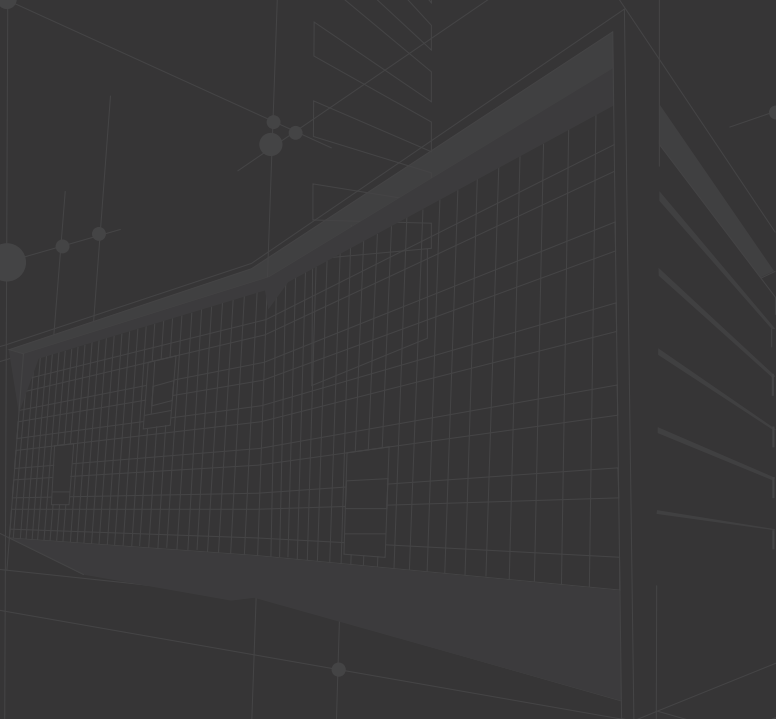




US Fact Sheet



knapp.com

↓ **KNAPP** US Fact Sheet

KNAPP is a world-class provider of one stop, all-in-one intralogistics solutions from design to manufacturing, installation, comprehensive software, integration and 360 degree service and support.

KNAPP partners with clients in the following industries:

- Pharma/Healthcare
- Fashion/Apparel/Footwear/Accessories
- Retail
- Food/Beverage
- Manufacturing

Key technologies and competencies help **KNAPP** achieve our mission as a world-class intralogistics solutions provider. We achieve this with innovation, reliability, and a passion for both continuous improvement and our client's business goals; designing processes and efficient systems that optimize sustainability and profitability.

Key technologies include:



OSR Shuttle™ – **KNAPP** shuttle systems form the heart of a modern warehouse. Solutions can be seamlessly integrated into the logistics system with customized software and ergonomic workstation solutions. Free moving open shuttles supply workstations and deliver totes, cartons or pallets. Driverless vehicles deliver up to 2800 lbs. **KNAPP** invented shuttle technology to realize centralized processing within the fulfillment center, with one single core technology.



redPILOT – was formed to develop, build and support state-of-the-art control tower software applications for warehousing, distribution and fulfillment. **KNAPP's redPILOT** is built on a sophisticated platform that leverages predictive modeling and analytics, Internet of Things (IoT) artificial Intelligence (AI) and labor management systems (LMS) - to deliver real time resource management and decision support tools for supply chain managers and leaders, across the enterprise.



Pocket Sorter – Highly effective for order selection, packing and sorting of single items; this technology is space efficient, easily integrated with goods-to-person technologies and consolidates hanging and flat-packed goods. Suited for Retail, Fashion, ecommerce and omni-channel operations.

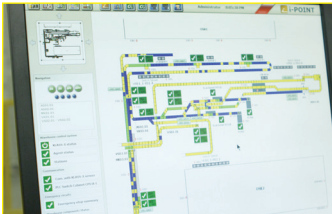


KiSoft Vision Technology –

Key technology in achieving zero-defect warehouse objectives. **KiSoft Vision** uses augmented reality and image recognition in every process step. Taylor-made solutions are easily integrated into existing systems.



Pick-it-Easy Workstations – from manual to fully automated; these efficient, ergonomic work stations are the right choice for automated single-item picking. AI driven technology, with various grippers and intelligent object recognition, enables **KNAPP's Pick-it-Easy Robot** workstation to handle a broad range of items in diverse sectors. Pick-it-Easy learns continuously, informing a cloud-based database, increasing system performance.



KiSoft WMS & WCS

Standard system with extensive features. KiSoft WMS is the leading solution for both conventional paperless and automated warehouses, ensuring best practice processes. It currently offers more than 1,700 standard features with short implementation times.

- **For manual and automated solutions.** From IT automation (mobile terminals, voice picking or visually guided picking technology) to fully-automatic processes, the scalable KiSoft WMS centrally controls all warehouse processes and excels in the automated environment where there are needs for high throughput and the necessity to quickly react to unexpected events within the warehouse.
- **For controlling all warehouse processes.** From goods-in to goods-out, this system covers all of the various demands such as lot tracking, guaranteed cold chain, serial number tracking or value added services. Picking is optimized by applications such as the packing arrangement calculation, which ensures ideal packing density, sequence, and a stable packing unit. Continuous monitoring of all processes ensures proactive optimization and guarantees added value compared to conventional warehouse management systems.

History:



KNAPP was founded in 1952 to manufacture specialty machines. Growth expanded to include conveyors and lifts with international orders fueling development in the early 70's. In 1980 the company built their current headquarters in Graz, Austria. Innovation has driven the company, including early adoption of microprocessors, automatic picking and software solutions. Today, KNAPP plays a leading world role in developing automated picking and goods-to-person systems. The pursuit of sustainability and quality drives product and software innovation in all company divisions.

Corporate Structure:

KNAPP is the complete solution provider for successful intralogistics implementation and is setting new standards in warehouse logistics. Key components of success are experience, sector expertise, software and technological know-how.

Global Office Locations:

- Scandinavia
- Denmark
- United Kingdom
- United States
- Germany
- France
- Italy
- South American
- China
- Russia



Josef Mentzer, CEO North America

- Business Management Certificates, Penn State University
- 1987 – 1991 Project Manager, Paul E. Lehman Inc. Design Build General Contractor
- 1991 – 2002 Vice President, PELI Automated Material Handling Division
- Joined KNAPP USA in 2003
- 2005 – 2008 Vice President Implementation & Customer Service KNAPP USA
- 2009 – 2011 COO KNAPP USA
- 2012 CEO KNAPP USA



Gerald Hofer, CEO

- Export diploma from the Karl-Franzens University Graz
- Two-year position in export and sales
- Joined KNAPP in 1994, two-year position as Manager of Sales Italy
- Management of Marketing & Sales 1996-2001
- Managing Director of KNAPP Systemintegration GmbH
- 2007-2009 Managing Director of KNAPP Logistik Automation GmbH
- Member of the Managing Board of KNAPP AG since 2010
- 2012 CEO of KNAPP AG



Franz Mathi, COO

- Electrical engineering studies at Graz University of Technology
- Two-year position in instrumentation & software development
- Joined KNAPP in 1999
- Management of customer projects until 2001
- Divisional Manager of Product Management and Innovation 2002 – 2007
- Managing Director of KNAPP Logistik Automation GmbH 2007-2009
- 2010-2012 Executive Vice President of KNAPP AG
- Member of the Managing Board of KNAPP AG since 2012

Management Biographies:



Christian Grabner, CFO

- Degrees in Business Administration, Business Education, Ph.D. in Economics from the University of Graz, Degree in Electrical Engineering from Graz University of Technology, Summer School Programme International Finance and Accounting at the London School of Economics
- Internships and projects for various companies
- 2001-2006 Lecturer and project manager for the Steirische Volkswirtschaftliche Gesellschaft (Styrian National Economy Society)
- Since 2006 at KNAPP AG, Head of Controlling and Cost Accounting
- Lectorates in personality development and business
- 2011-2012 Executive Vice President of KNAPP AG
- Member of the Managing Board of KNAPP AG since 2012

High profile clients include:



Recent KNAPP Awards:



- Material Handling Institute awarded **KNAPP's redPilot** its **2019 Top Innovation Award**. redPilot, a supply chain game changer, provides real time visibility into operations and cost performance.
- **KNAPP US** received its **2018 US-A-BIZ Award** from the Austrian Foreign Trade Center for remarkable performance in the North American market.
- Oracle awarded **KNAPP** its **2018 Oracle Excellence Award** for Specialized Partner of the Year – Global in 2018 for their outstanding work in driving customer success with KiSoft Analytics.
- **KNAPP's Pick-it-Easy Robot** named Best Product at LogiMAT 2017. The **Pick-it-Easy Robot** was chosen as a fresh, new solution for processing orders using industrial robots.
- **Modern Material Handling 2017 Innovation Award** for **KNAPP's** contributions that set a new standard for sustainable distribution at the REI Goodyear Arizona DC.
- **Apparel Magazine 2017 Top Innovators Award for KNAPP's** revolutionary REI Goodyear, Arizona warehouse design and implementation.
- **European EPIC 2016 award** for expansion and modernization of Apotek 1 logistics system in Oslo.
- **Volkswagen's Corporate 2016 Top Innovator Award** went to **KNAPP** for a system that combined the Open Shuttle transport system and the flexible 3D-moving YLOG-shuttle.
- Pharmaceutical wholesaler PHOENIX selected **KNAPP** from among 200 projects to win the 2016 award for best project team.

About KNAPP:

KNAPP is an internationally operating company and is one of the world market leaders in warehouse logistics and automation with over 4,000 employees worldwide. Founded in 1952, **KNAPP** continually focuses on innovation and making complexity simple. As a solutions provider, **KNAPP** provides one-stop, custom-designed intralogistics solutions in health care, retail, apparel, food, manufacturing and ecommerce sectors. Our clients experience results that are flexible, resource efficient, ergonomic and self-learning. The company's North American headquarters are in Atlanta, GA. For more information, visit www.knapp.com.