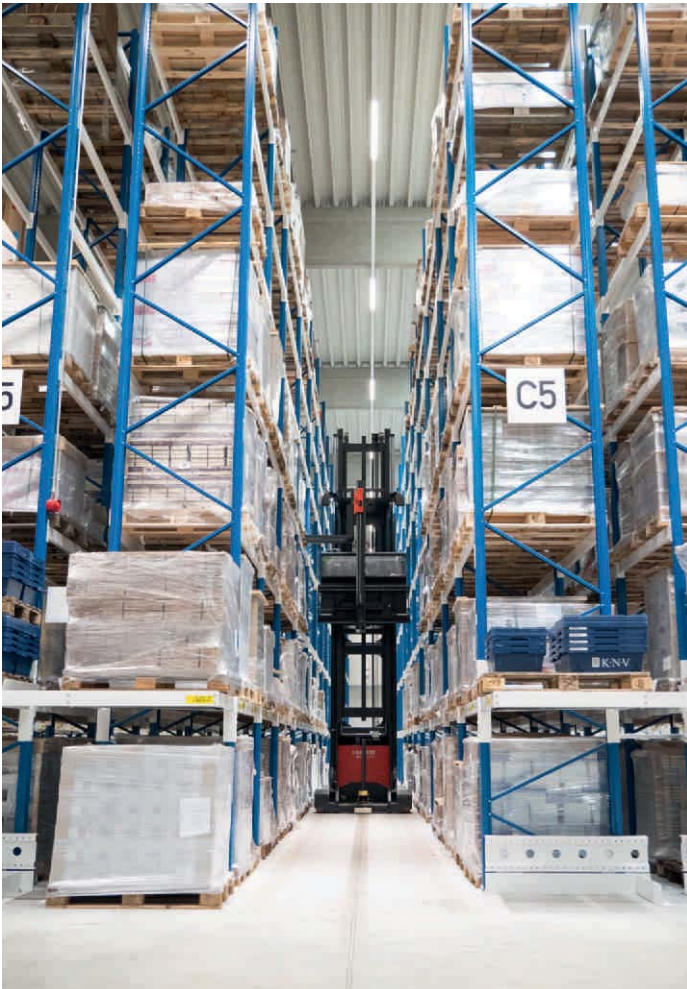


EFFICIENT SMALL-UNIT STOCK MOVEMENTS THANKS TO CUTTING-EDGE TECHNOLOGY



A bird's-eye view of the KNV Logistik reserve warehouse in Arnstadt



Extremely small-unit stock movements in media logistics



TASK Development of a sustainable system solution for the new reserve warehouse of the media logistics company KNV Logistik GmbH in Arnstadt near Erfurt as a pioneering step on the road to Logistics 4.0.

CHALLENGE Extremely small-unit stock movements as a result of the vast number of books and the complex associated requirements. To achieve greater efficiency and operational reliability, specific racking technology and a complex system solution involving a variety of trucks were required.

SOLUTION Semi-automated warehouse system (automated driving, manual picking) with over 90,000 pallet bays for picking at a height of up to nine metres. Interface to higher-level WMS in order to control incoming and outgoing goods and to manage stock. All required components from a single source.

BENEFITS OF THE SYSTEM SOLUTION Efficient, safe processes and greater reliability as a result of the semi-automated system with direct access to all items in the warehouse.

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Client:

KNV Logistik GmbH Erfurt

Employees:

1,000, 70 in reserve warehouse

System solution:

Semi-automated narrow-aisle warehouse (automated driving/manual picking)

Goods stored:

EUR-pallets and tubs

Product:

Books/media

Area: 43,000 m²

Capacity:

> 90,000 pallet bays

> 55,000 small load carrier bays (tubs)

Scope of supply:

Planning and realisation, warehouse and transport systems incl. racking system