



Boost your lithium
battery value chain

KNBatteryChain
Certified Lithium Battery Logistics

Certified lithium battery logistics

KN BatteryChain is your end-to-end solution to master the challenges created by the significant increase in the global demand for lithium batteries. The transport and storage of cells and batteries is very cumbersome due to the hazardous nature of the material. With KN BatteryChain your individual shipping and warehousing needs are covered throughout the entire lithium battery life cycle.

Maximum *safety* for your business

Certified systems and processes ensure that your batteries are transported in full compliance with the latest dangerous goods regulations.

Expertise leveraged for your success

Optimize your lithium battery supply chain and boost your business. KN BatteryChain provides you with direct access to more than 600 dangerous goods experts and lithium battery transport specialists across the globe.

Co-created end-to-end solution

Thanks to individual consultation and long-term partnerships, Kuehne + Nagel works with you to co-create a fully integrated end-to-end supply chain solution to suit your specific needs.

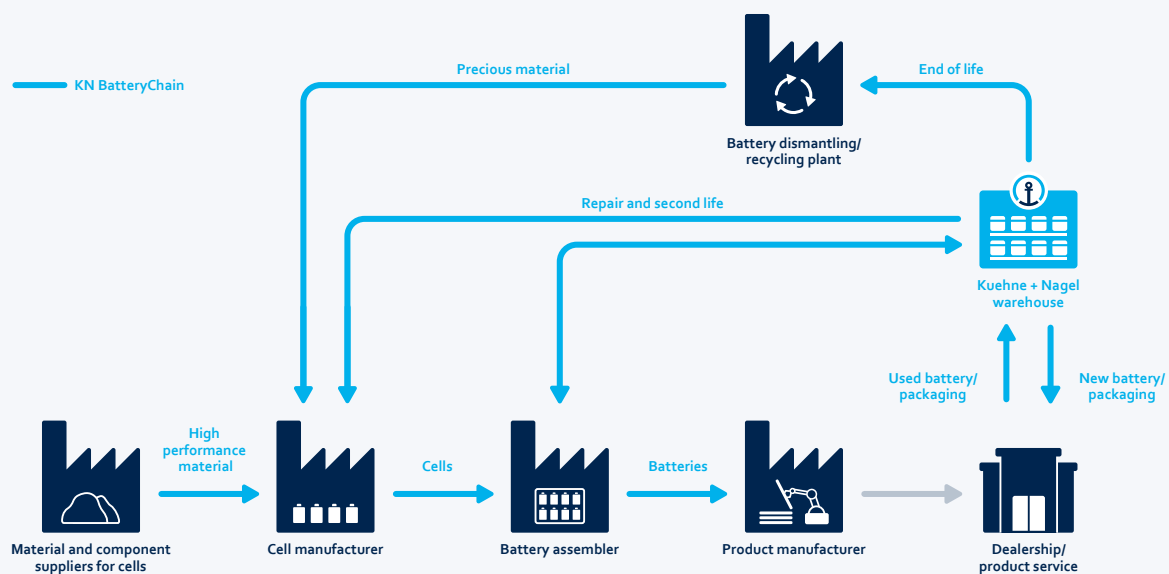
Strong foundation for *impactful decision making*

The power of information. We provide you with key performance indicators, full data transparency and expert forecasting as a sound foundation to make decisions that improve your performance.

Efficiency and growth throughout the *value chain*

Cover your logistics needs throughout the entire battery life cycle and grow your value chain. Kuehne + Nagel's global network and strong market position guarantee you reliable performance and peace of mind.

Logistics solutions for the battery life cycle



KN BatteryChain addresses all logistics needs for lithium batteries throughout the entire life cycle.

Service levels made for you

Three service levels allow you to select the right solution for your business needs. Choose from our standardized and certified warehousing or transportation services, benefit from optional upgrades or select the fully integrated solution.

Premium
Designed for all batteries

Fully integrated solution:
Warehousing, Air, Road, Sea Logistics
Key Features

+ Upgrades

Specialist
Designed for all batteries

Warehousing
Key Features

+ Upgrades

Air, Road, Sea Logistics
Key Features

+ Upgrades

Core
Designed for small batteries
Lithium ion ≤ 20 Wh per cell, ≤ 100 Wh per battery
Lithium metal ≤ 1 g per cell, ≤ 2 g per battery

Warehousing
Key Features

Air, Road, Sea Logistics
Key Features

Key features

All our services include the following key features to guarantee the highest degree of standardization, safety and reliability for every shipment:

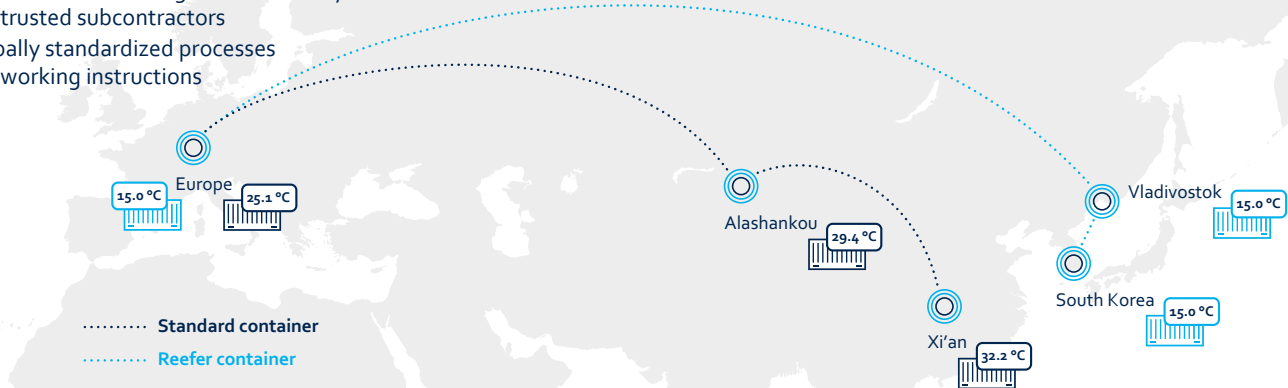
- Fully certified supply chain and warehouses (ISO 9001:2015 / IATF 16949 / VDA 6.2)
- Dedicated lithium batteries experts
- Global infrastructure of Dangerous Goods Safety Advisors (DGSA) in full compliance with international dangerous goods regulations
- Door-to-door tracking, tracing and shipment visibility
- Carrier network management that only selects certified and trusted subcontractors
- Globally standardized processes and working instructions

Upgrades

You can also benefit from greater control and higher performance with our upgrades. Below is a summary of some of the value-added services you can choose from:

- Real-time monitoring of physical parameters and location
- Specialized and re-usable packaging
- Battery charging, de-charging and testing
- Environmental performance measuring
- Returns and recycling services

Contact us to find out what else we can offer you.



Learn more about how to benefit from KN BatteryChain:
www.kn-portal.com/kn_batterychain

About Kuehne + Nagel

With over 70,000 employees in more than 1,300 locations spanning more than 100 countries, the Kuehne + Nagel Group is one of the world's leading logistics companies. The Kuehne + Nagel Group holds a strong market position in the seafreight, airfreight, contract logistics and overland businesses with a clear focus on providing IT-based, integrated logistics solutions. Further information can be found at www.kuehne-nagel.com

