



ME LOGISTIC SERVICES GmbH & Co. KG

YOUR EXPERT FOR ROLL-OUT/ROLL-
BACK LITHIUM ION TRANSPORTS

presentation of the services and the resulting
benefits for customers

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09/2026



FOCUS OF PRESENTATIONS



Presentation ME Logistics as a partner– Introduction to geographical scope & positioning, quality & industry know-how

Presentation of the service portfolio – Creation of an understanding of the offered services & value + advantages for customers

Outlook Service scope definition and related offers

ME Logistics Services is a highly specialized Partner in Logistics, offering multiple competitive advantages through the strategic location



**The three pillars of our customer success are based on our values:
Certified Know-How, Safety & Security and Efficiency**



As a certified company, ME Logistics guarantees appropriate recycling

1 Qualification

Certified Waste Disposal Service Provider accord. to § 56 (2)

- existing collective disposal certificate for all federal states AVV 16 01 21* / AVV 16 02 15* for LFP + NMC lithium chemistry, as well as collectors in Hungary in approved interim storage & connection notification for recycling
- voluntary take-back
- digital signatures

Zertifikat	
1. Name und Anschrift der Zertifizierungsorganisation 1.1 Name: GZQ GmbH 1.2 Straße: Sulzbachstraße 131 1.3 Staat: DE Bundesland: SL Postleitzahl: 66125 Ort: Saarbrücken	
	
3. Angaben zum Zertifikat 3.1 Nummer des Zertifikats (durch die Zertifizierungsorganisation frei zu vergeben): A-000441 3.2 Erstmalige Zertifizierung ☐ oder Folgezertifizierung ☒ 3.3 Vorgangsnummer (soweit von der Behörde erteilt): ZZKT001000523008 3.4 Das Zertifikat beinhaltet 1 Anlage(n). 3.5 ☐ Das Zertifikat wird nur für einen bestimmten Betriebsteil erteilt (siehe Anlage(n)) 3.6 ☐ Das Zertifikat wird nur für bestimmte Abfallarten, Tätigkeiten oder Standorte erteilt (siehe Anlage(n)) 3.7 Das Zertifikat ist gültig bis zum 22.11.2026	
4. Name und Anschrift des Entsorgungsbetriebes (Hauptsitz): 4.1 Name: ME Logistic Services GmbH & Co. KG 4.2 Straße: Im Schiffels 7a 4.3 Staat: DE Bundesland: RP Postleitzahl: 55491 Ort: Büchenbeuren 4.4 Eintrag in das Handels-, Vereins- oder Genossenschaftsregister (sofern ein Eintrag erfolgt ist): Registernummer (HRA, HRB etc.): HRA 20839 Registergericht: Bad Kreuznach	
5. Der Betrieb ist berechtigt, im Hinblick auf die in der Anlage zu diesem Zertifikat genannten Standorte, Tätigkeiten und Abfallarten das Überwachungszeichen der obengenannten technischen Überwachungsorganisation oder Entsorgungsgemeinschaft und die Bezeichnung <p style="text-align: center;">„Entsorgungsbetrieb“</p> gemäß § 56 des Kreislaufwirtschaftsgesetzes in Verbindung mit der Entsorgungsbetriebsverordnung zu führen.	
6. Prüfungsdatum: 27.05.2025	
7. Sachverständiger, der die Überprüfung durchgeführt hat: 7.1 Name: Herr Weber Vorname: Heiko 7.2 Unterschrift (nur für die Ausstellung in Papierform):	
8. Ausstellungsdatum: 03.06.2025	
9. Leiter/Leiterin der Zertifizierungsorganisation: 9.1 Name: Herr Busch Vorname: Martin 9.2 Unterschrift (nur für die Ausstellung in Papierform):	

Seite 1 von 3 zu ZZKT001000523008

SAM	
Sonderabfall-Management-Gesellschaft Rheinland-Pfalz mbH	
SAM GmbH - Weihen-Thomas-Ring 54 - 55130 Mainz ME Logistic Services GmbH & Co. KG Im Schiffels 7a 55491 Büchenbeuren	
Ihr Zeichen: _____ Ihre Nachricht vom: _____ Unser Zeichen: _____ Durchwahl: 42 Email: office.sam@sam-rp.de Datum: 05.05.2017	
Ertelung einer Betriebsnummer Sehr geehrte Damen und Herren, als die in Rheinland-Pfalz zuständige Stelle zur Vergabe der Betriebsnummern erteilen wir gemäß § 28 Abs. 1 Nachweisverordnung folgende Betriebsnummer für Firmenname: ME Logistic Services GmbH & Co. KG Straße: Im Schiffels 7a Ort: 55491 Büchenbeuren Betriebsnummer: G22437695 Diese Betriebsnummer können Sie als Erzeuger,- Beförderer,- Maklernummer in Zukunft verwenden. Wir bitten Sie, bei der Führung von Entsorgungsnachweisen, Begleitscheinen und Übernahmescheinen für gefährliche Abfälle diese Betriebsnummer in den dafür vorgesehenen Stellen der Formulare einzutragen.	
 RPR Ministerium für Wirtschaft, Energie, Verkehr und Klimaschutz (MWE) Ministerium für Wirtschaft, Energie, Verkehr und Klimaschutz (MWE)	 Ministerium für Wirtschaft, Energie, Verkehr und Klimaschutz (MWE) Ministerium für Wirtschaft, Energie, Verkehr und Klimaschutz (MWE)

Agenda

1 Lithium-Logistics

Incl. Lithium Recycling & Storage of series-connected batteries

2 Dangerous Goods Consultancy

3 Dangerous Goods Logistics

4 Test execution and storage



the area of Lithium Logistics is differentiated between new product transportation and **End-Of-Life** transportation amongst the selected mode of transport

Lithium ion
and metal
batteries are
always
classified as
Dangerous
Goods Class
9A

1

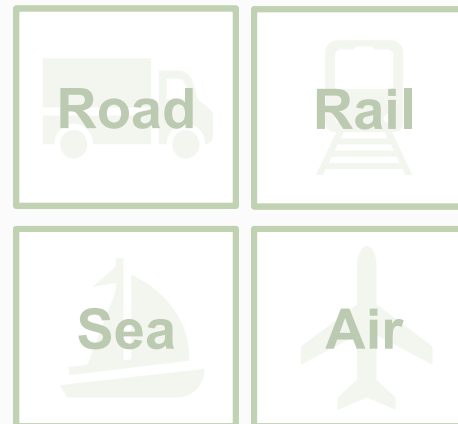
Consideration as per purpose of use

- Packaging of **defect/critical** as well as uncritical (end of life) lithium batteries **at shipper's location**
- **Recycling** of used lithium batteries and modules over our own network



2

Modes of transport



ME Logistic Services offeres a full Service Portfolio for Transports for clients of different branches



Branches



Battery Producer



Electrical
Forklifts



Automotive Industry
(OEMs)



Powertools



Transports

*execution of transports of
prototypes (SP 310) ...*

*... to **testing institutes***

*... in rentable extinguishing boxes
(according to special regulation 376, P911)*

*... for **all modal transports***

certified packing personal

*providing of **trained** and **certified**
repacking-personal to guarantee a safe
and LAW - conform repacking*

Permissions

*execution of total **permission
management** of new prototypes in **air
freights** of all weight, areas A88/A99
(also permit management in the waste
disposal sector, e.g. notification,
guarantee), as well as USA DOT licenses.*

Clearly structured process, from collection documentation requirements of DOC LAW for a seamless transport of Dangerous Goods



A) recycling landtransport (inside Europe)

- providing of **rentable safety boxes** of all manufacturers and sizes through ME Logistic Services organisation
- Take one of **repacking services** on local station of the client
- **pick up** with own equipment of DG - Cargo
- Transport to a **selected recycling plant** of ME Logistic Services or via your **client**
- **providing** of needed **safety equipment**
- **Existing collective waste disposal certificates for Germany of AVV 160121* and 160215***



ME Logistic Services provides a hassle-free experience for your transport of dangerous goods.

Supply chain





***Future Forecast Drop-Off-Points:
Network and installation of Drop of Points for reduction of
transport costs across Europe***

[illegible][illegible]

ME Logistic Services offers extinguishing equipment for Lithium-Batteries via Road-, Sea- and Air - not only for sale, also for rent



Remark: exact dimensions, prices am further information can be found on our website/shop

Sale

Road & Sea



Lithium-Transportbox with extinguishing systems

Sizes:

XS, M, L, XL, XLs, XL+, XLd, XLj,
HV Batteries & HV Strain

Road, Sea: UN/50A/X/S/

Rent

Road & Sea



Lithium-Transportbox with extinguishing systems

Sizes:

M, L, XLs, XL+, XLd, XLj ,
HV Batteries & HV Strain

Road, Sea: UN/50A/X/S/

**Rent
air freight**

Air freight



Lithium-Transportbox with extinguishing s. (airfreight)

Size:

M, L

Road, Sea: UN/50A/X/S/
Air: 4A/Y590/S/

ME Logistic Services offers extinguishing equipment for Lithium-Batteries via Road-, Sea- and Air - not only for sale, also for rent



Remark: Exact dimensions, prices and further information can be found on our website

Rent



Paloxe

Size:
1,20x1,00x1,25m

Road: UN/4H2/X400

Rent



**Aluminium box
air permit
SP 376 & P911 suitable**

Size:
Inner dimension: 0,55x0,55x0,22m
Outer dimension: 0,60x0,60x0,25m

Air: UN/4/B/X65

**As well as other tested &
approved SP 376 packaging
for critical- /or critically
defective batteries**

prices & data regarding lithium battery packaging / 24.02.2026

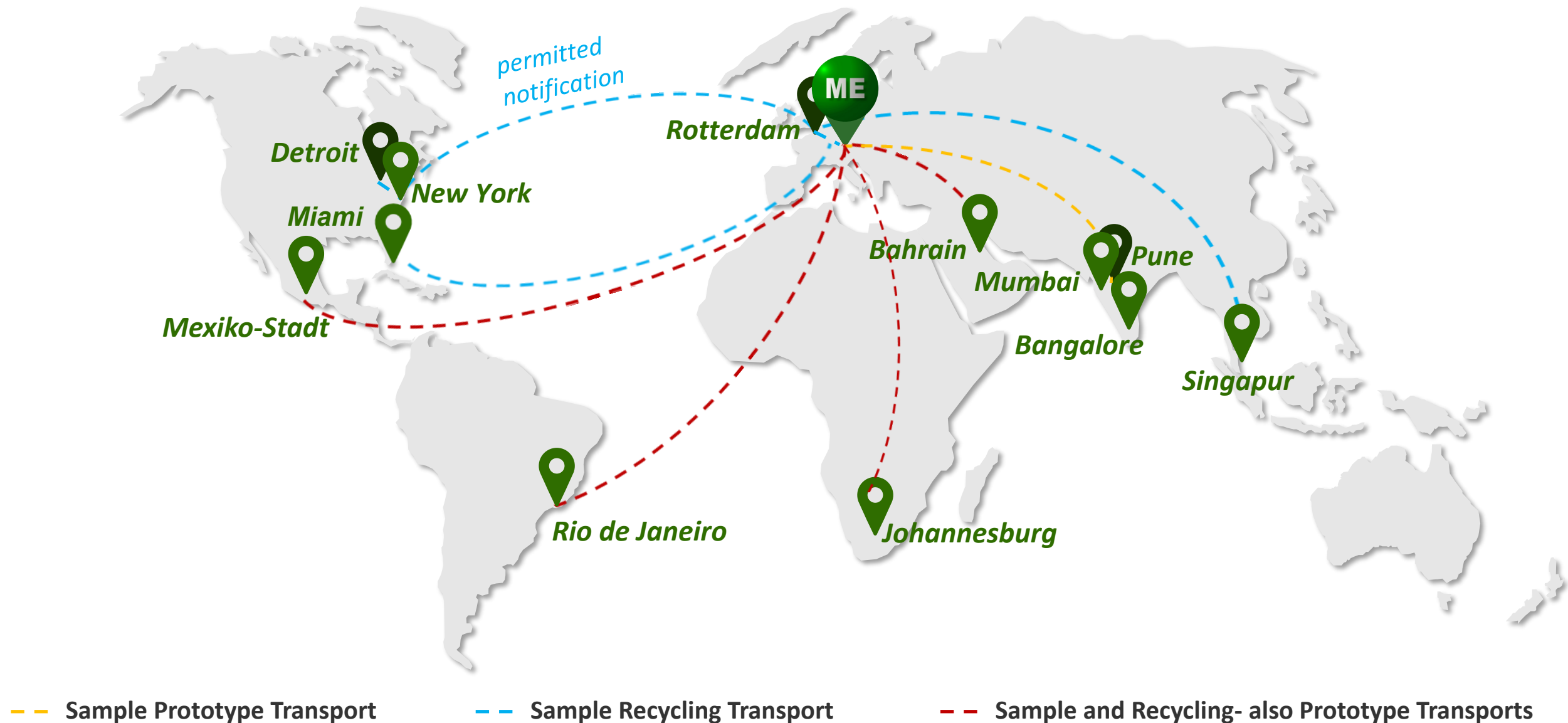
LiBa Boxes (extinguisher box)

Size	external dimensions LxBxH in mm	useable internal dimensions LxBxH in mm (as per Gelkoh)	internal dimensions (as measured)	empty weight	allowed maximum weight	UN Code	daily rate
M	1200x800x990	1050x660x500	1050x660x600/HKÖ	176 kg	590 kg	4A/X & 50A/X	115 €
L	1200x800x1250	1050x660x760	1050x660x760/CST	189 kg	590 kg	4A/Y & 50A/X	125 €
XL	1200x1200x1800	1050x1060x1380		352 kg	1770 kg	50A/X	380 €
XLs	2000x1400x990	1850x1200x560	1790x1220x560/CST	428 kg	1850 kg	50A/X	195 €
XL+	3000x2000x825	2800x1900x490	2690x1900x490/CST	920 kg	2320 kg	50A/X	375 €
XLj	1500x1500x1650 (with substructure, without 1456)	1400x1300x1000	1265x1650x1200/CST	431 kg	3400 kg	4A/Y & 50A/X	395 €
XLd	2520x1050x1630	2360x870x1160	2340x850x960 oder 2250x850x1160/CKN	540 kg	2540 kg	50A/X	445 €
XLf	1780x980x945	1625x830x620		340 kg	1311 kg	50A/X	445 €
XLg	3000x2000x1420	2850x1800x1000		1116 kg	3000 kg	50A/X	479 €
Bauer Box	2080x2880x1040	1754x2544x547		980 kg	1947 kg	50A/X	445 €
Nefab Bunker Box M	1500x1200x1250	1220x880x850	1240x910x860/CKN	500 kg	1200 kg	50X	425 € EK Nefab = 245 €
SEDA Box I HV BAT-BOX	3192x2121x1567	2654x1735x970	2640x1680x1035/CKN	2235 kg	323 kg	50A/X	445 €
SEDA Box II Strainbox with motor	3450x2300x1180	2780x2023x879	2660x2000x650	3060 kg	4800 kg	50A/X	495 €
NEFAB XL+ incl. inner box and isolation	3000x2000x825	2800x1900x490	2690x1900x490/CST	920 kg		50A/X	680 €

LiBa Safe (indoor boxes)

M I	1015x775x500	940x610x400	880x605x395/HKÖ	68 kg	105 €
L I	1015x775x740	940x610x640	880x605x645/HKÖ	76 kg	118 €
XL I		810x960x990		195 kg	175 €
XLs I	1815x1260x560	1684x1138x470	1680x1080x430/HKÖ	198 kg	185 €
XL+ I incl. fire protection blanket	2645x1815x490	2490x1663x420 (2490x1575x420 within the airline-rail)	2505x1665x435/HKÖ	380 kg	245 €
XLj I	1295x1492x1010	1110x1305x860	1140x1340x900/HKÖ	195 kg	295 €
XLg I	2660x1835x985	2495x1239x925		380 kg	295 €

Our Transport experience throughout the world



The area of Lithium Logistics is devided into new and old / used / recycling transports

*Lithium-Ion
and Lithium-
Metal-
Batteries
are classified
as Dangerous
Good of class
9A
throughout all
transport
ways*

1

Consideration offer Usage

Usable

Recycling

2

Modes of transport

- Utilization of registered Lithium Battery **Safety Boxes** for all modal Transports
- worldwide **Transport- and Repacking** Management for Serial and NON-Serial Modules (Prototypes), SP 310
- Creating Documentation and Permission Management throughout the whole transport way.

ROAD

Rail

Sea

Air

ME Logistic Services offers numerous services and advantages for clients using the Road Transport

① ROAD/ RAIL

Road



- Supply of certified **repacking material** as well as certified **Safety Boxes**
- Supply of trained **Repack Personnel**



- Supply of **Transport-permissions**
- Own Transport licence for Belgium and Netherlands



- Creation of **DG-Docs** and **DG-Labels**



Rail



Possibility to of transportinh **Lithium Batteries** into the **Asian Market**
(Line Germany – Shanghai)



Advantage: **Time Saving** of 7-10 days compared to the seaway
(currently: sanctioned & unfeasible during Ukraine war)

Further: Assistance with arranging **Cargo and Goods insurances**

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For Transport by Sea ME offers an optimized consumer support and customized transport solutions

② SEA

1

ROAD
/
RAIL

- Creating of **Dangerous Goods Documents** for the Seafreight (IMO) with licenced personnel



- Repack according to **DG- Rules** and certified Container packs
- Customization of **IPPC** Transport packagings



- Taking charge of the whole permission management regarding Lithium-Batteries
- certified **24h- Emergency Hotline** for seafreight



- Organization of **DDU Sea-Deliveries** of Lithium-Batteries
- **Transport critical and defect Batteries** via Seafreight



Rental of Lithium Transport Boxes for Seafreight

3

AIR

Thanks to years of experience and an excellent network, the fast and secure air freight delivery of urgent goods is a key differentiator for ME Logistic

③ AIR

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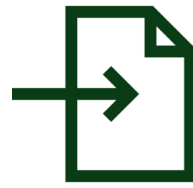
ROAD / RAIL

2

RAIL



- **Premium Partner** of licenced Lithium-Airliners, mostly from Airport Hahn (HHN)
- certified **24h-Emergency Hotline** incl. Licence for US/ Canada



- Arranging **exception permissions (A88/A99)** for Prototypes or Batteries over 35kg
- Arranging **Import- & Export Licences** for the USA (DOT49) through own employees on site



- **Pick Up and Delivery Service** from the departure / destination Airport
- Rental of certified unpressured **Extinguishing Equipment** with UN/4A certification



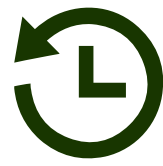
Creation of **Dangerous Goods Docs (IATA)** through own A/B/F-IATA employees: 2023 (former PK 2/6)

ME Logistic Services offers dry ice – cooling transports for temperature controlled goods on all transport ways

FOR ALL TRANSPORT SERVICES



- **Temperature controlled** transports
- **Cooling vehicles** with qualified temperature controlling systems following GDP guidance
- temperatures **from -20°C to +25°C degrees** possible



- Europe wide **24h monitoring** following GDP requirements
- **GPS Tracking** incl. temperature-data transfer and Door Opening Times



Additionally, ME Logistic offers **mobile cooling equipment** suitable for diagnostical samples as well as other **Pharma and Industrial products**.



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ME Logistic Services supports in all bureaucratic needs within the Transport Process with the help of own certified employees

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Preparation of certified **Dangerous Goods safety Advisons** for all transport modules



Preparation of a certified **online-cadastre** for quick downloading of **actual safety data sheets**



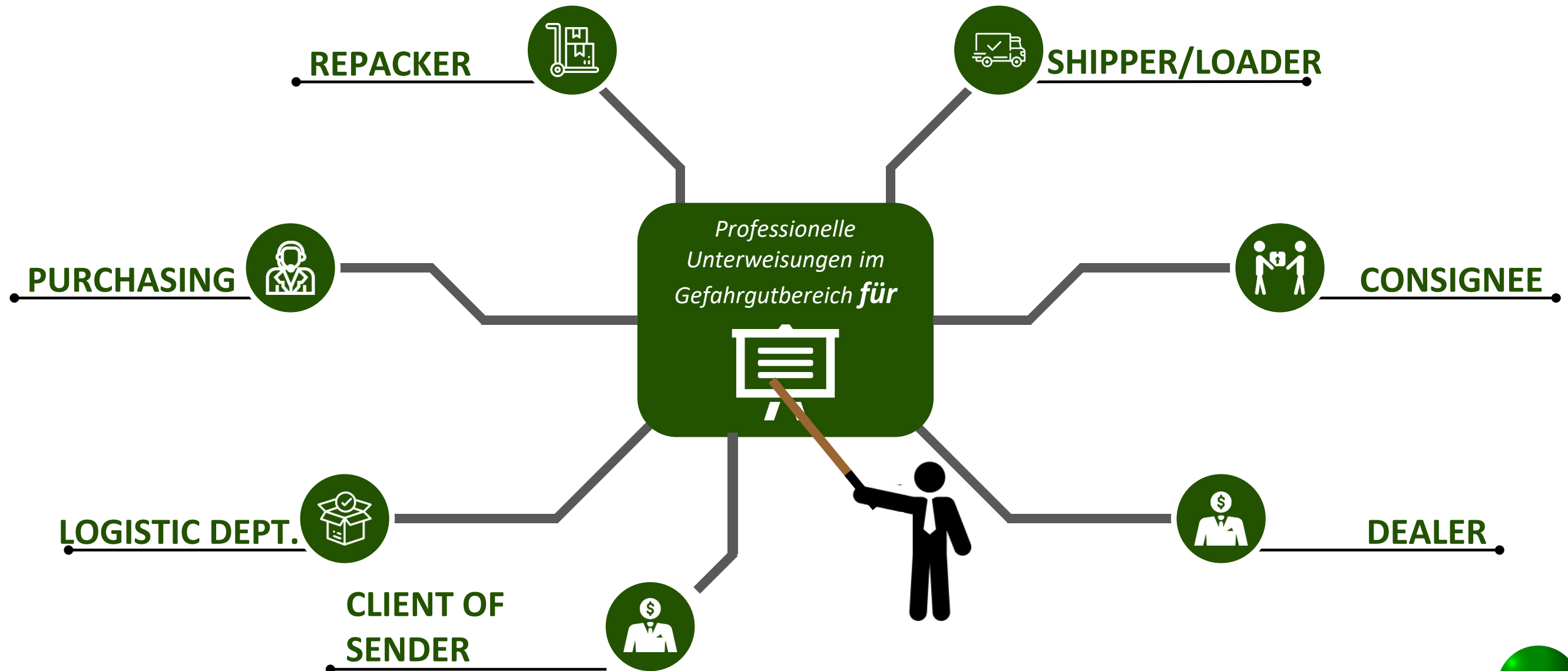
Assessmend and Creation of **Havarie Reports**



Creation of **Dangerous Goods Reports** for **monitoring authorities**



Due to substantial Branch-Experience ME Logistic Services is able to provide specialist training for a wide range of target groups



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ME Logistic Services supports you at every stage of the process and offers optimal solutions for specific issues

3) Transport

- Transport of all **DG-Classes**
- International transport haulier of special Logistic



2) DG-Repackings

- overhand (sales/Rental) of **individuell Repackings**
- Stock of special Repacks in ownstorage



4) Documentation

- Documentation for all transport modes
- **Tracking of Goods** for Regulations



1) Permissions

- Help in international **DG-Management**
- Assistance with submitting applications in the correct format

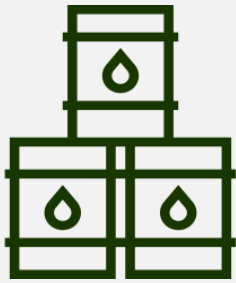


International Sample Management:
Solutions for Sample and Mixture Shipments of Dangerous Goods incl.
Delivery and Export outside of Europe



ME Logistic Services is able to fill and package small quantities of goods using a professional refilling plant

STARTING MATERIAL



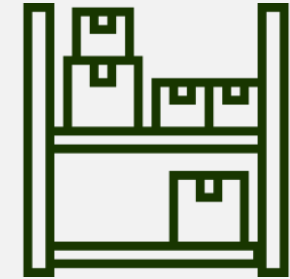
- DG Refillings of **solid, liquid, and porous DG** with material density of up to $1,45 \text{ g/m}^3$
- Refilling from tank containers in IBC's to Drums and Jerrycans

REFILLING



- Machinery Refilling in Repack sizes between **0,25 and 5 liters**
- Mixing of density upto **$1,45 \text{ g/m}^3$ at 20°C**
- Mixing of solids and sag of DG Powders

STORAGE



- **Shelved DG Storage** with shelf sprinklers
- **Heating chambers** for heating DGs (up to 70°C)
- **Loading Containers** with trained personnel following CTU packing laws reglementations

For the food and metal industries products for drinking water treatment and cooling water are also bottled

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Carrying out UN38.3 tests, as well as fire tests for Own packaging

Acceptance of all UN 38.3 test series at one location up to 780 kg battery weight

Preparation of UN approval tests to your desired packaging with the government agencies

Your advantages:

- only few prototype transports for UN 38.3 tests are available, due to the centralization of the test station
- low costs due to own customer volume at the test institute
- rental of the fire test facility for critical module testing by your personnel
- overload tests
- fire tests
- shaker tests
- burn-off tests of your series modules in the extinguishing boxes of some manufacturers for quality requirements
- subsequent recycling after the test from one source
- provision of UN packaging according to a UN 38.3 test procedure



Own storage area for lithium batteries to provide a buffer storage for your production line

- 1500 qm lithium storage (no waste legal approval!)
- Temperature-controlled storage at 5-15 degrees celsius
- Lithium extinguishing system in the warehouse
- Handling
- Repacking activities into production racks after delivery
- Just in time deliveries
- Provision of loading and unloading areas for your needs



YOUR PERSONAL CONTACT



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Germany

*Visit our shop:
shop.lithium-rail-logistic.com*

*We are looking forward
to a long successful collaboration*

BACK-UP



Das hoch qualifizierte Leistungsspektrum der ME Logistic spiegelt sich in der Vielzahl von erhaltenen Zertifizierungen wieder

As a service provider with the highest standards, the employees of ME Logistic have numerous certifications

- Accredited packers
- Accredited waste & dangerous goods officers for all transport routes (external provision also possible!)
- ICAO & IATA qualified persons
(Module B: 2023: Packer training also for driver!
- Module A/B/F: 2023: Dispatcher / Consultant)

All our current certificates are available on our website