



Logistic Services

ME LOGISTIC SERVICES GmbH & Co. KG

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

Presentation of the service portfolio and
related value generation

ME Logistic Team
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03/2026



FOCUS OF PRESENTATIONS

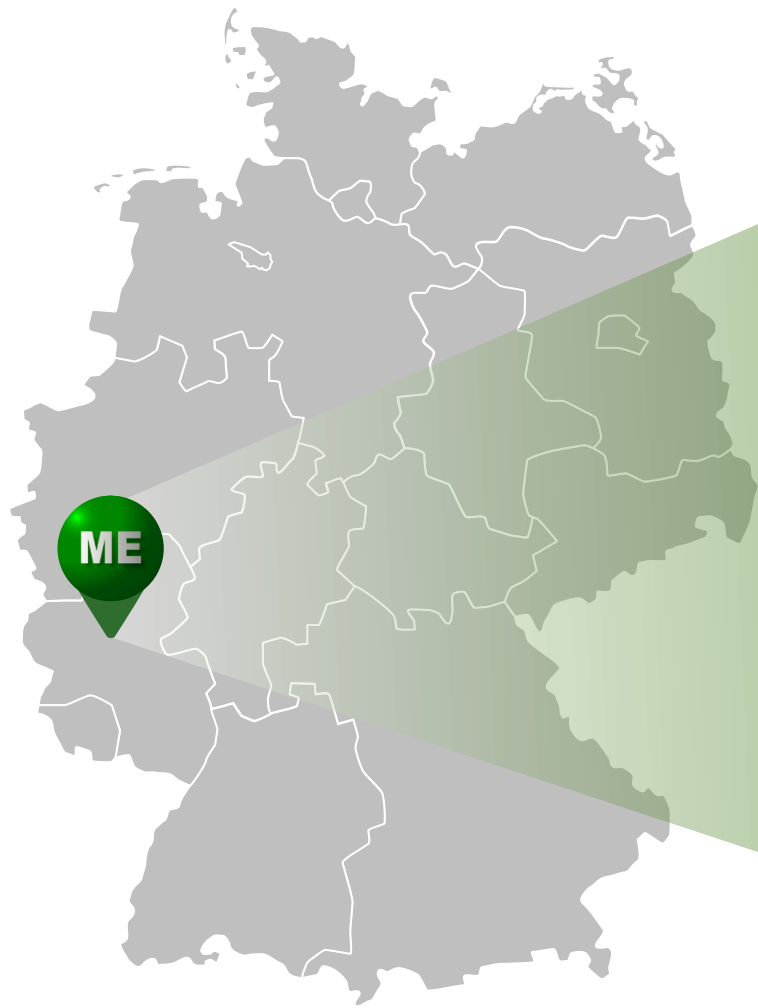


Presentation ME Logistics as a partner– Introduction to geographical scope & positioning, quality & industry know-how

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

Outlook Service scope definition and related offering

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



Locational advantage

**Hunsrueck, close to the
Frankfurt-Hahn Airport**

**daily connection to
Mainz/Frankfurt,
Trier/Luxembourg,
And Leipzig**

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

Client Success Worldwide

1 Certified Know-How

Highly specialized
Personnel,
Certification for
waste disposal,
selected & certified
partner network

2 Safety

Know-how and
profound
experience,
expertise in
document
handling

3 Efficiency

Plannable cost,
time advantage,
controlled
information
exchange, customer-
specific consultancy
services

Our Values / performance

Best Quality | Highest customer satisfaction | Mutual Trust


As a certified company, ME Logistics guarantees appropriate waste disposal


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: Suzbachtalstraße 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 <input type="checkbox"/> oder Folgezertifizierung <input checked="" type="checkbox"/> 3.3 Vorgangsnummer (soweit von der Behörde erteilt): ZZKT001000523008 3.4 Das Zertifikat beinhaltet 1 Anlage(n). 3.5 <input type="checkbox"/> Das Zertifikat wird nur für einen bestimmten Betriebsteil erteilt (siehe Anlage(n)) 3.6 <input type="checkbox"/> 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 Entsorgungsfachbetriebes (Hauptsitz): 4.1 Name: ME Logistic Services GmbH & Co. KG 4.2 Straße: Im Schiffele 7 a 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;">„Entsorgungsfachbetrieb“</p> gemäß § 56 des Kreislaufwirtschaftsgesetzes in Verbindung mit der Entsorgungsfachbetriebsverordnung 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):	


 Sonderabfall-Management-Gesellschaft
 Rheinland-Pfalz mbH

SAM GmbH - Weim-Thomas-Ring 34 - 55130 Mainz
 ME Logistic Services GmbH & Co.
 KG
 Im Schiffele 7a
 55491 Büchenbeuren

Ihr Zeichen: _____ Ihre Nachricht vom: _____ Unser Zeichen: _____ Durchwahl: _____ Email: stfika@entso.ges.rlp.de Datum: 05.05.2017

Erteilung 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 Schiffele 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.

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



In the area of Lithium Logistics, one differentiates 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 offered a fully Service Portfolio for Prototype Transports for clients of different branches



Branches



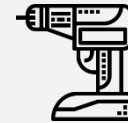
Battery Producer



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 for warranty of a safe and LAW - conform repacking

Permissions

execution of total **permission management** of new prototypes in the **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.

Supply chain from pick up to conformity of DOC LAW for fast Action during DG transports



A) recycling landtransport (inside Europe)

- providing of **rentable extinguishing 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***



Supply chain






ME Logistic Services takes care for comfortable action of your dangerous goods.



Transport **via sea freight** organized by ME Logistics Services includes all relevant steps - from permit to final transport



B) Recycling via sea freight (outside Europe and UK)

-  execution of **worldwide** recycling transports
-  takeover and help desk for **notification request**
creating of **DG sea freights docs** (IMO)
-  organisation of **recycling system** with choosed shipping companies under **control of local permissions** and Transport way / countries of transport

-  Providing of a **certified emergency hotline**
-  **Premium-Contracts** of Seafreight providers and positive Audits with ME Logistic as knowledge center
-  DAP Delivery to port of destinations / Recycling Plant
-  Execution of **Import Custom clearance**

Future Forecast Drop-Off-Points:
Europewide network and installation of Drop of Points for reduction of transport costs



MULTI-TERRITORY DANGEROUS GOODS FORM			
1 Shipper/Consignor/Receiver ME Logistic Services GmbH & Co. KG Ludwig-Platz 10 42699 Solingen, Germany		2 Page 1 of 1 pages	
3 Commodity Lithium-Ion C2048 (IATA City) C2048/00		4 Shipper's Reference ME 2011234	
5 This shipment is within the limitations prescribed for:		6 Carrier (to be completed by the carrier)	
7 UN Number(s) and other hazard class(es) and subsidiary risk(s) as shown on the label(s) and as required by the ICAO/IATA Dangerous Goods Regulations		8 Shipper's Declaration I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and an identified hazard class or hazard class(es) and hazard statement, and are properly classified, packaged, marked and labeled, and that the contents are properly secured in the cargo transport unit.	
9 Additional handling information		10 DANGER EMERGENCY NUMBER FROM CUSTOMER (INTERNATIONAL): (001) (0) (404) (9000)	
11 Vessel/Flight No. and date	12 Purpose of loading RELOADING	13 Net weight (kg)	
14 Description of discharge CONTAINER UNLOADING	15 Destination CHINA	16 Gross mass (kg)	17 Total gross mass (kg)
18 Shipping Marks 1 AIR COMPRESSOR ON WOODEN PALLET UNION ENGINE INTERNAL COMBUSTION FLAMMABLE LIQUID PURIFIED, CLASS 3, Flash point: 5°C BULK: 0, 0, 0 CHASSIS: NO SN: XYZ		3500,00kg	3400,00 kg
19 Container Identification No. / vehicle registration No.	20 Seal Number(s)	21 Container/vehicle size & type	22 Total gross mass (kg)
230011234567	1234567	1000kg	3000kg
23 Name of company		24 Signature and date	
ME Logistic Services GmbH & Co. KG		[Signature] [Date]	
25 Name of recipient		26 Signature and date	
[Name]		[Signature] [Date]	

DANGEROUS GOODS OF AMERICA

TO: [Name]

DATE: [Date]

CERTIFICATE OF COMPLIANCE

April 12, 2023

Re: 24-hour Emergency Response Telephone Number

TO: WHOM IT MAY CONCERN

This letter is to certify that we, Dangerous Goods of America, Inc., are in compliance with all applicable regulations of the US Department of Transportation regarding Hazardous Materials Regulations (49 CFR 171-179) and 49 CFR 172.101-172.109 and 172.101-172.109. In addition, we hereby certify that ME Logistic Services GmbH & Co. KG (SN: 123456789) is in compliance with all applicable regulations of the US Department of Transportation regarding Hazardous Materials Regulations (49 CFR 171-179) and 49 CFR 172.101-172.109 and 172.101-172.109. In addition, we hereby certify that ME Logistic Services GmbH & Co. KG (SN: 123456789) is in compliance with all applicable regulations of the US Department of Transportation regarding Hazardous Materials Regulations (49 CFR 171-179) and 49 CFR 172.101-172.109 and 172.101-172.109.



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

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

Sales

Road & Sea



Lithium-Transportbox with extinguishing systems

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

Rent

Road & Sea



Lithium-Transportbox with extinguishing systems

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

Rent air freight

Air freight



Lithium-Transportbox with extinguishing s. (airfreight)

Size:
M, L

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

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

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 sales, also for renting



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

Rent



Paloxe

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

Road

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

Airfreight

Air: UN/4/B/X65

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



prices & data regarding lithium batterie packaging / 24.02.2026

LiBa Boxes (extinguisher box)

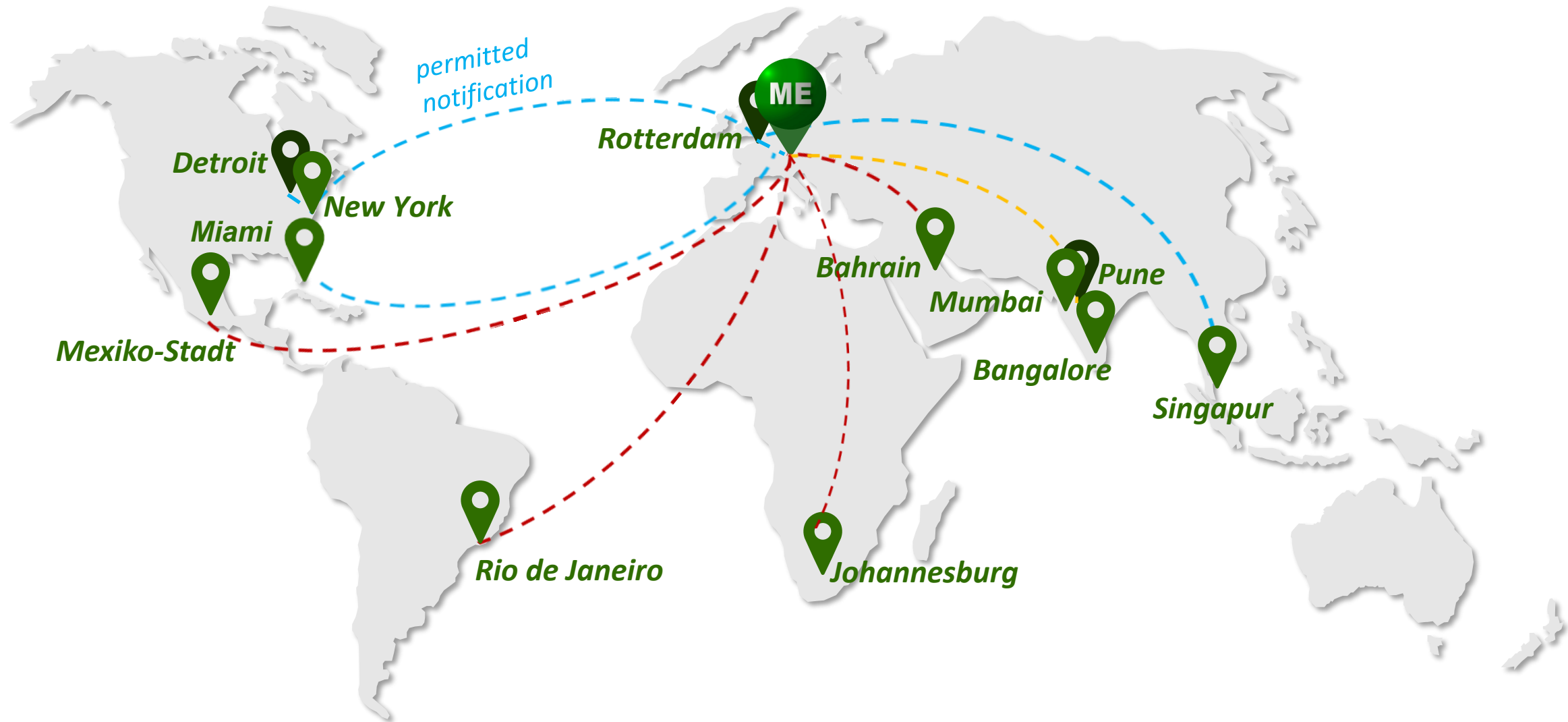
Size	external dimensions LxBxH in mm	useable internal dimensions LxBxH in mm (as per Gelkoh)	internal dimensions (as measured)	empty weight	allowed maximum weight	UN Code	daily rate
M	1200x800x990	1050x660x500	1050x660x600/HKÖ	176 kg	590 kg	4A/X & 50A/X	115 €
L	1200x800x1250	1050x660x760	1050x660x760/CST	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 <small>(mit Unterbau, ohne Unterbau 1456)</small>	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 €

Nefab Buncker Box M	1500x1200x1250	1220x880x850	1240x910x860/CKN	500 kg	1200 kg	50X	425 € <small>EK Nefab = 245 €</small>
SEDA Box I HV BAT-BOX	3192x2121x1567	2654x1735x970	2640x1680x1035/CKN	2235 kg	323 kg	50A/X	445 €
SEDA Box II Strainbox mit Motor	3450x2300x1180	2780x2023x879	2660x2000x650	3060 kg	4800 kg	50A/X	495 €
NEFAB XL+ mit Innenbox und Isolierung (zwischen Löschbox + Innenbox)	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			135 €
XLs I	1815x1260x560	1684x1138x470	1680x1080x430/HKÖ	198 kg			145 €
XL+ I inkl. Flammenschutzdecken	2645x1815x490	2490x1663x420 <small>(2490x1575x420 innerhalb Airline-Schiene)</small>	2505x1665x435/HKÖ	380 kg			245 €
XLj I	1295x1492x1010	1110x1305x860	1140x1340x900/HKÖ	195 kg			210 €
XLg I	2660x1835x985	2495x1239x925		380 kg			295 €

Our Transport experience connected through complete earth



— Sample Prototype Transport

— Sample Recycling Transport

— Sample and Recycling- also Prototype Transports



The area of Lithium Logistic will be divided into new and old / used / recycling transports

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

1

Consideration offer Usage



2

Modes of transport

- Commitment of registered Lithium Battery **Transportboxes** for all modal Transports
- worldwide **Transport- and Repacking** Management for Serial and NON-Serial Modules (Prototypes), SP 310
- Creating Docs and Permissions Management all over the whole transport way.



ME Logistic Services offers for the Road Transport different full services and bring clients different advantages

① ROAD/ RAIL

Road



- Supply on of certified **repacking material**
- certified **extinguishing Boxes**
- Supply of trained **Repack Personal**



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



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



Rail



Possibility of Loads with **Lithium Batteries** into **asia Market** (Linie Deutschland – Shanghai)



Advantages: **Time Saving** of 7-10 days compareable seaway (current: sanctioned & unfeasible during Ukraine war)

Further: Assistance of covering **freight- and Environmentally Goods insurances**

②

S
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③

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For Transport by Sea ME offer an optimized customer support and customized Transport solutions

② SEA

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



- Repack within **DG-Rules** of certified Container packs
- Customization off **IPPC** Transport packagings



- Take over of the whole permission managements of Lithium-Batteries
- certified **24h- Emergency Hotline** for seafreight



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



Rental of Lithium Transport Boxes for Seafreight

3

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The fast, safe shipping urgent products via Airfreight of licenced Transport in the basic with experience and in dividuell network and the Best unique selling point

③ AIR

1

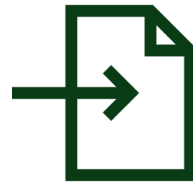
ROAD / RAIL

2

RAIL



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



- Procurement of **exception permissions (A88/A99)** for Prototypes or Batteries of from 35kg
- Batteries of **Import- & Export Licences** for USA (DOT49) through own employees on site in the U.S. - Area



- **Pick Up and Delivery Service** from Airport of Departure and Destinations
- Rental of certified **Extinguishing Equipment** without pressure and UN/4A certified



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



ME Logistic Services offered all transport ways Dry Ice – cooling transport for temperature controlled Goods

FOR ALL TRANSPORT SERVICES



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



- Europe wide **24h monitoring** with GDP Guidances
- **GPS Tracking** incl. Temperature-data-transfer and Door Opening Times



Additional offer from ME Logistic of **mobile cooling equipment**, for diagnostic and other **Pharma Samples** or **Industrial products**.



Agenda

1 Lithium-Logistics

Incl. Lithium Recycling & Storage of series-connected batteries

2 DG Consultancy

3 Dangerous Goods Logistics

4 Test execution and storage



ME Logistic Services supports in all bureaucratic Needs due to the Transport Process with help of own certified employees

S
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Preparation of certified **Dangerous Goods safty Advisons** for all transport modules



Preparation of a certified **online-cataster** for shorty download of **actual and proofed MSDS**



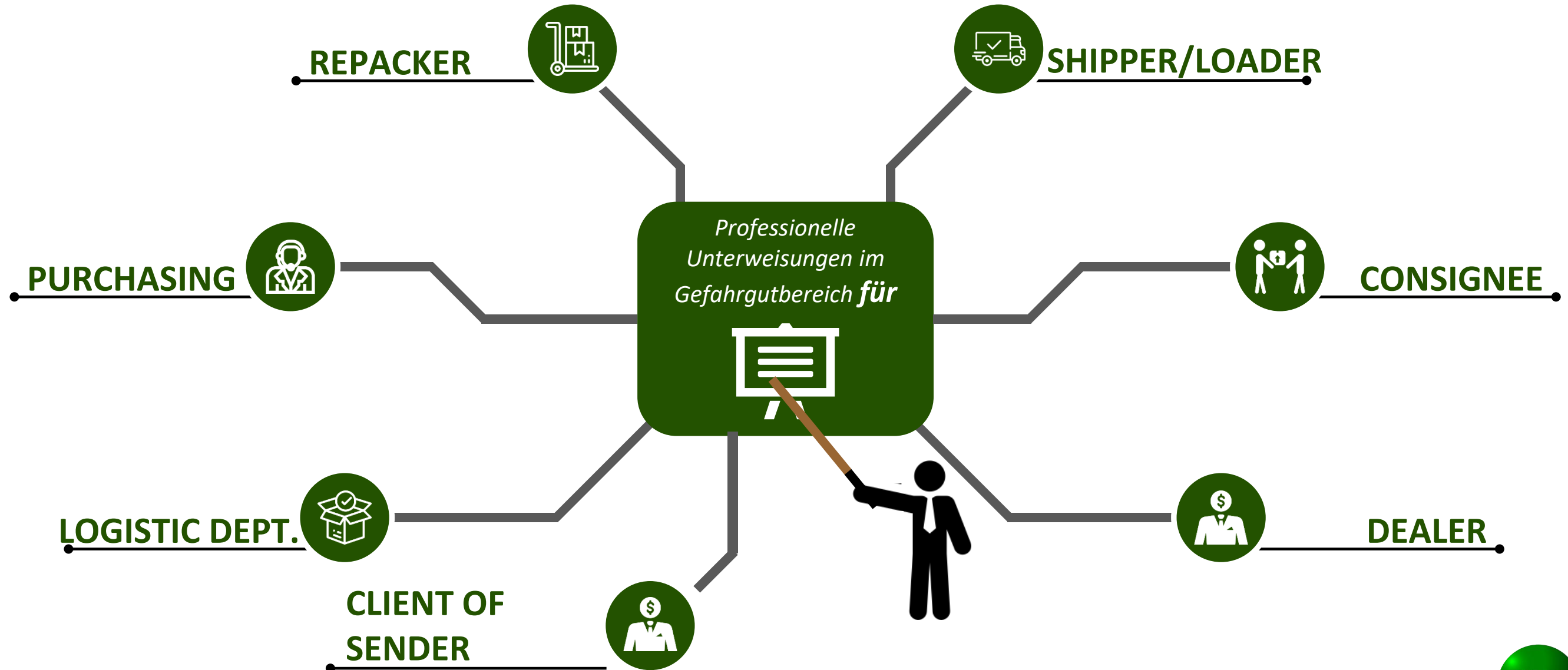
Assessmend and Creation of **Havarie Reports**



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



With help of substantial Branch-Experience is ME allowed to perform Training services



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ME Logistic support in all processes of optional solutions for high and individuell problem positions

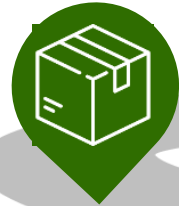
3) Transport

- *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 modales*
- ***Tracking of Goods** for Regulations*



1) Permissions

- *Help in international **DG-Management***
- *Support in true to application form*

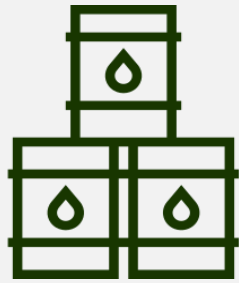


International Samplemanagement:
Solutions for Sample Shipments and mixtures of Dangerous Goods Material incl. Delivery in the Export and outside Europe



ME use professional Refilling Plant to Refill also small Quantities exact and safe

STARTING MATERIAL



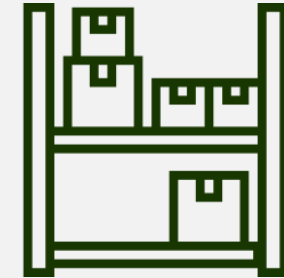
- DG Refillings of **solid, liquid, and porous DG** with material density of up to $1,45 \text{ g/m}^3$
- Refilling from tank containers in IBC's to Drums and Jerrycans

REFILLING



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

STORAGE



- **Regalisiert DG Storage**
- **Heating chambers** until 70°C for Heating
- **Loading Containers** with trained personal with CTU packing laws reglementationas.

For all foods and industrielle products and products for drink-water-production in earth quake areas worldwide .

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Carrying out UN38.3 tests, as well as fire tests 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 a few prototype transports for UN 38.3 tests 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 tests 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

- 1000 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



Thorsten Mentges

Managing Director / CEO

tmentges@me-logistic-services.com

+49 (0) 173 974 7727

Im Schiffels 7a

55491 Büchenbeuren

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 under downloads

