

Performance *Report*

2022

 **Rebat** |  **Rebat+**

REBAT Collection Network



62,000+

active collection points in Germany

We are proud of the many collection points that took back spent batteries for REBAT in around 200,000 collection containers last year.



6,000+

connected battery producers

We are pleased that more and more manufacturers are deciding to fulfill their manufacturer obligations with the help of REBAT. In the coming years, we will be able to add more large distributors, ensuring further growth and strength of the system.



100%

recycling in Europe

We work exclusively with certified recyclers in Germany and neighboring EU countries, which process the spent batteries using state-of-the-art technology. As a result, regionally optimized recycling routes can avoid excessive environmental pollution, reduce CO2 emissions and strengthen regional recycling structures.



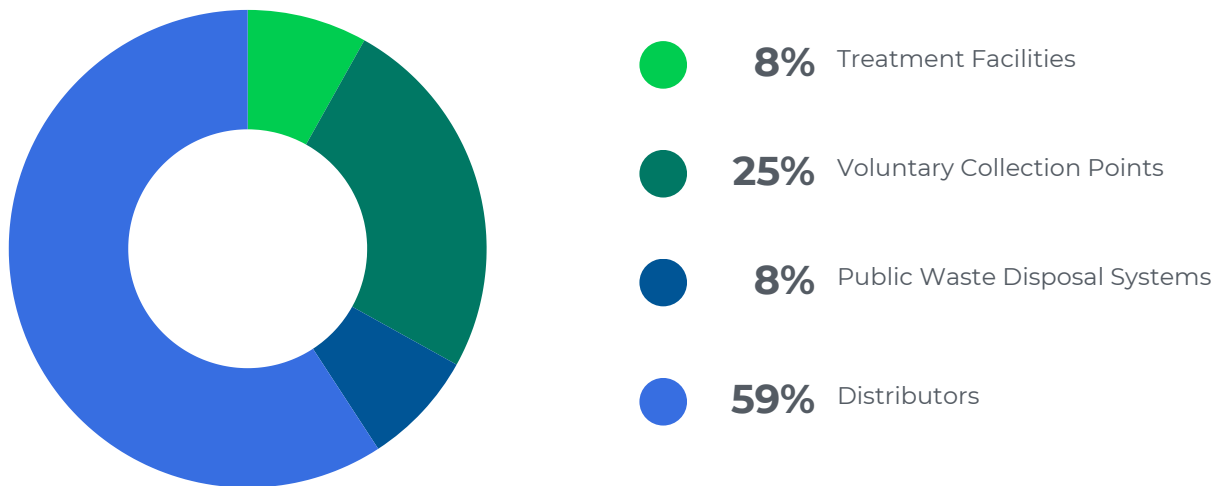
100%

efficient processes and cost structures

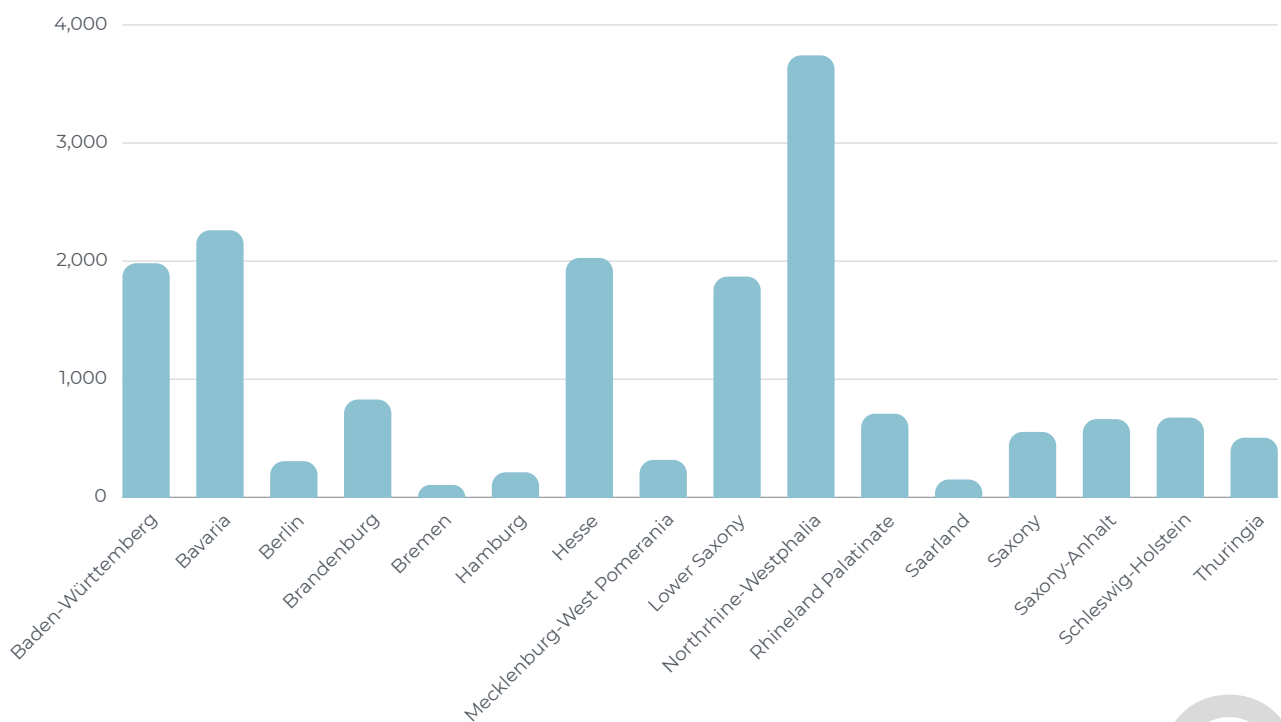
We aim to offer our system partners an efficient solution for collecting spent batteries, enabling them to reliably meet their EPR obligations.

Origin of Returned Batteries

Breakdown by Type of Collection Point



Breakdown by Federal State



REBAT Numbers 2022



Collection Volume

17,858 Tonnes

Growth

15+ Percent

03

REBAT Numbers 2022

Mass of Batteries Placed on The Market

in accordance with § 15 (1) Nr. 1 German Batteries Act

			Mass (t)	Percentage (%)	
Primary Batteries	Round Cells / Block Batteries	ZnC	3,344.8	10.36%	
		AlMn	21,375.3	66.23%	
		Zn-air	8.2	0.03%	
		Li	315.6	0.98%	
	Button Cells	AgO	25.6	0.08%	
		AlMn	80.0	0.25%	
		Zn-air	27.6	0.09%	
		Li	239.8	0.74%	
	Sum I			25,416.8	78.75%
	Secondary Batteries	Round Cells / Block Batteries	AlMn	33.4	0.10%
Li-Ion			4,708.1	14.57%	
NiMH			750.0	2.32%	
NiCd			20.7	0.06%	
Pb			1,345.6	4.17%	
Button Cells		Li-Ion	3.6	0.01%	
		NiMH	1.9	0.01%	
		Others	1.3	0.00%	
Sum II			6,858.6	21.25%	
Total			32,275.4	100.00%	

+5.6%

With more than 32,275 tons of licensed batteries, REBAT increased its volume by more than 5.6 percent compared to the previous year.

04

REBAT Numbers 2022

Mass of Used Batteries Taken Back

in accordance with § 15 (1) Nr. 2 German Batteries Act

			Mass (t)	Percentage (%)	
Primary Batteries	Round Cells / Block Batteries	ZnC	348.7	1.95%	
		AlMn	14,395.8	80.61%	
		Zn-air	-	-	
		Li	144.8	0.81%	
	Button Cells	AgO			
		AlMn	104,12	0.58%	
		Zn-air			
		Li			
	Sum I			14,993.4	83.96%
	Secondary Batteries	Round Cells / Block Batteries	AlMn	-	-
Li-Ion			1,077.8	6.04%	
NiMH			258.5	1.45%	
NiCd			386.2	2.16%	
Pb			1,082.4	6.06%	
Button Cells		Li-Ion	-	-	
		NiMH	-	-	
		NiCd	-	-	
Sum II			2,804.9	15.71%	
not identifiable			60.1	0.34%	
Total			17,858.4 *	100.00%	

*incl. ceded quantities

+2,400 t

The amount of used batteries and accumulators taken back by REBAT increased significantly in 2022. Compared to 2021, 2,400 tons more batteries were collected.

05

REBAT Numbers 2022

Mass of Recycled Batteries

in accordance with § 15 (1) Nr. 3 German Batteries Act

		Mass (t)	Percentage (%)	
Primary Batteries	Round Cells / Block Batteries	ZnC	348.7	1.96%
		AlMn	14,395.8	80.88%
		Zn-air	-	-
		Li	144.8	0.81%
	Button Cells	AgO		
		AlMn	104.1	0.58%
		Zn-air		
		Li		
	Sum I		14,993.4	84.24%
	Secondary Batteries	Round Cells / Block Batteries	AlMn	-
Li-Ion			1,077.8	6.06%
NiMH			258.5	1.45%
NiCd			386.2	2.17%
Pb			1,082.4	6.08%
Button Cells		Li-Ion	-	-
		NiMH	-	-
		Others	-	-
Sum II		2,804.9	15.76%	
Total		17,798.3*	100.00%	

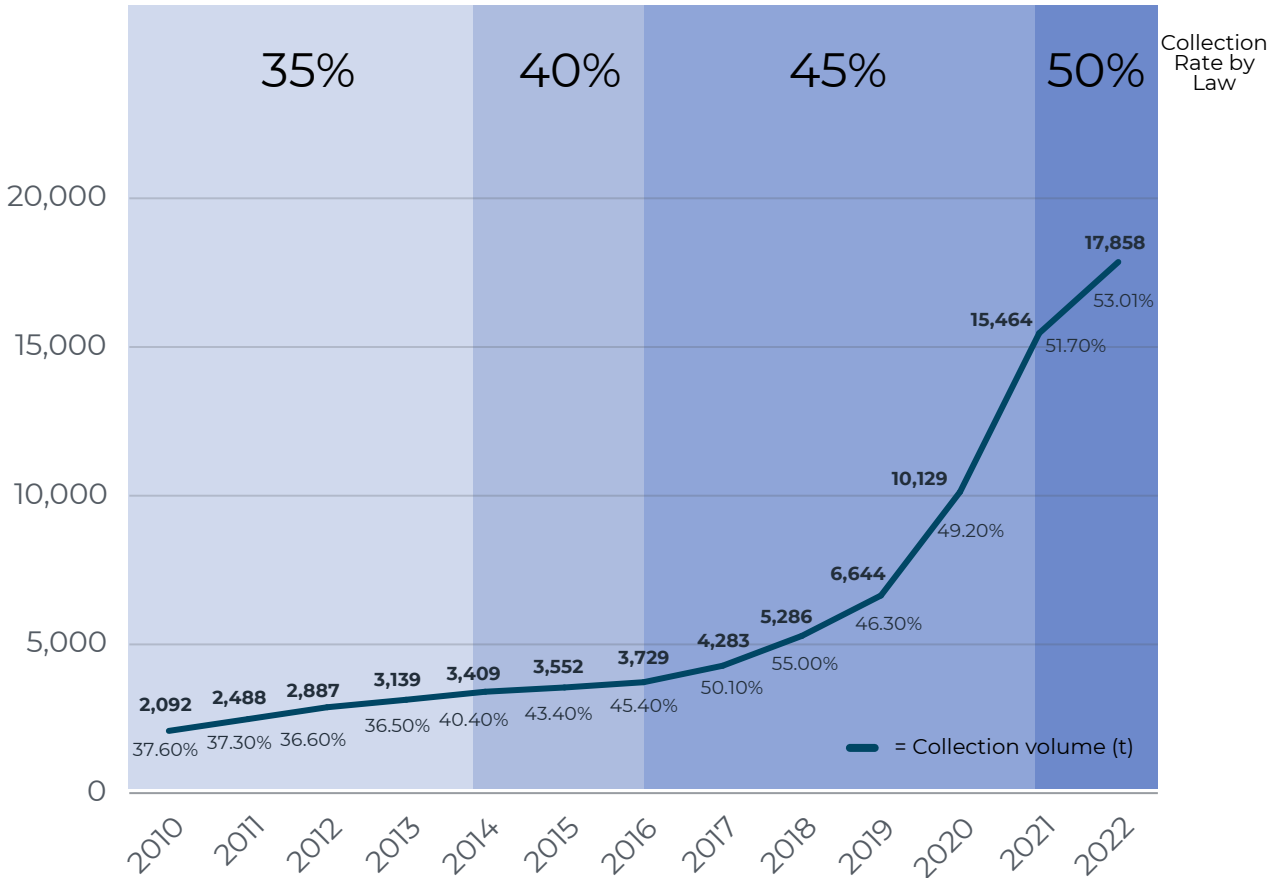
*incl. ceded quantities

+17,000 t

The Battery Act stipulates the recycling of all collected and identifiable used batteries as far as technically possible and economically reasonable. In 2021, REBAT was again able to meet this requirement entirely. As a result, more than 17,000 tons of batteries were recycled.

REBAT Numbers 2022

Collection Volumes and Collection Rates



53.01%

Since the Battery Act was enacted in 2009, REBAT has consistently exceeded the prescribed collection rates. The minimum collection rate, which has risen to 50 percent, was also significantly exceeded in 2022.

07

REBAT+ Numbers 2022



Collection Rate
162.9 Percent

Collection Volume
101.6 Tonnes

Since January 1, 2022, we have introduced REBAT+, a new and innovative take-back system for collecting portable batteries in Germany. Building on the successful REBAT system, REBAT+ offers a comprehensive collection network, established container concept, and streamlined pickup and reporting processes. As a premium take-back system, REBAT+ enables manufacturers to go beyond legal requirements and take proactive steps toward more sustainability.

REBAT+ Numbers 2022

Mass of Batteries Placed on The Market

in accordance with § 15 (1) Nr. 1 German Batteries Act

			Mass (t)	Percentage (%)	
Primary Batteries	Round Cells / Block Batteries	ZnC			
		AlMn			
		Zn-air			
		Li	62.4	100.00%	
	Button Cells	AgO			
		AlMn			
		Zn-air			
		Li			
	Sum I			62.4	100.00%
	Secondary Batteries	Round Cells / Block Batteries	AlMn		
Li-Ion					
NiMH					
NiCd					
Pb					
Button Cells		Li-Ion			
		NiMH			
		Others			
Sum II			0	0,00%	
Total			62.4	100.00%	

62.4 t

With over 62 tons of licensed batteries, REBAT+ already had a considerable volume in the first year after its approval.

09

REBAT+ Numbers 2022

Mass of Used Batteries Taken Back

in accordance with § 15 (1) Nr. 2 German Batteries Act

			Mass (t)	Percentage (%)
Primary Batteries	Round Cells / Block Batteries	ZnC		
		AlMn		
		Zn-air		
		Li	20.3	19.98%
	Button Cells	AgO		
		AlMn		
		Zn-air		
		Li		
Sum I			20.3	19.98%
Secondary Batteries	Round Cells / Block Batteries	AlMn		
		Li-Ion	81.3	80.01%
		NiMH		
		NiCd		
		Pb		
	Button Cells	Li-Ion		
		NiMH		
		NiCd		
Sum II			81.3	80.02%
not identifiable				
Total			101.6	100.00%

162.90%

With a collection rate of 162.90%, REBAT+ lived up to its claim of being a sustainable premium take-back system.

REBAT+ Numbers 2022

Mass of Recycled Batteries

in accordance with § 15 (1) Nr. 3 German Batteries Act

			Mass (t)	Percentage (%)
Primary Batteries	Round Cells / Block Batteries	ZnC		
		AlMn		
		Zn-air		
		Li	20.3	19.98%
	Button Cells	AgO		
		AlMn		
		Zn-air		
		Li		
Sum I			20.3	19.98%
Secondary Batteries	Round Cells / Block Batteries	AlMn		
		Li-Ion	81.3	80.01%
		NiMH		
		NiCd		
	Button Cells	Pb		
		Li-Ion		
		NiMH		
		NiCd		
Sum II			81.3	80.02%
Total			101.6	100.00%

100%

100% of the returned batteries were recycled by REBAT+ partners.

Get in touch

We thank all our partners, customers, and supporters for their excellent cooperation!

We look forward to growing with you in 2023 and making an essential contribution to the responsible battery take-back in Germany!

Contact us if you have any questions about the performance report, REBAT, or REBAT+.

CONTACT

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