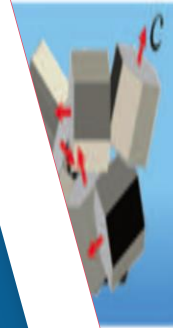


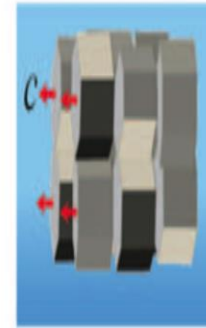
# Global Cathode Market: Size, Trends & Forecasts with Impact Analysis of COVID-19 (2022-2026)

February 2022

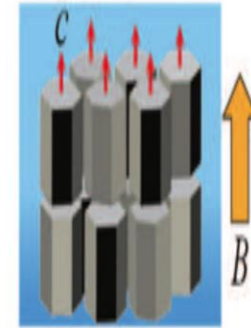
With no  
magnetic field



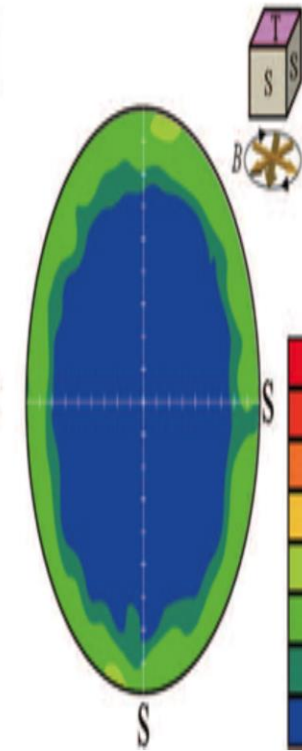
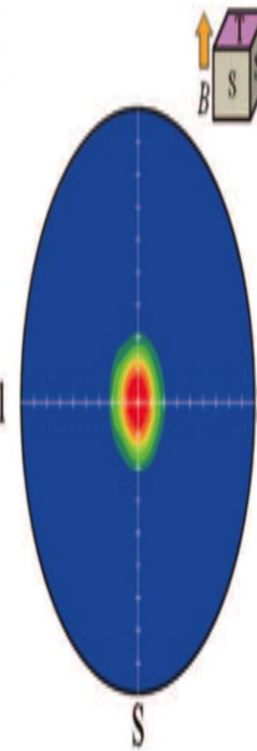
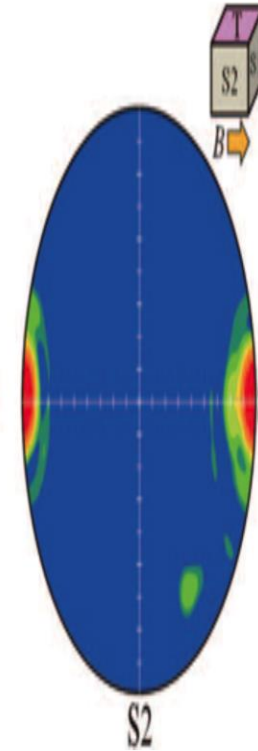
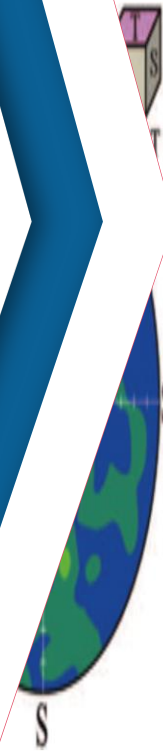
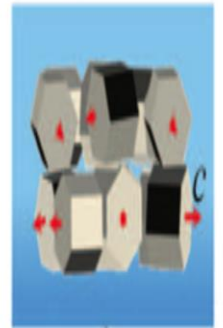
Horizontal 12 T  
magnetic field



Vertical 12 T  
magnetic field



Rotating horizontal  
magnetic field



# Global Cathode Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID-19

Dynamics

Competitive Landscape

Company Profiling

# Global Cathode Market: Coverage

## Scope of the Report

Attributes	Details
Title	Global Cathode Market: Size, Trends & Forecasts with Impact Analysis of COVID-19 (2022-2026)
Coverage	Global and Regional
Regional Coverage	Asia Pacific, Europe, North America and Rest of the World
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2026
Competition in the Market	Moderately Fragmented
Key Players	Johnson Matthey, POSCO Group, Umicore, BASF SE

# Global Cathode Market

## Executive Summary

Cathode material defines the power and voltage capacity of a battery. Cathode material is a composition of thin aluminum substrate, active material, conductive additive and binder. Cathode material determines the energy density of a cell through cell voltage and/or capacity. Cathode material demands extremely high purity levels and must be almost free of unwanted metal impurities - notably iron, vanadium and sulfur. Choice of cathode material with a particular chemistry depends on factors like cell voltage, capacity, energy and power capabilities, cycle life, and temperature of operation.

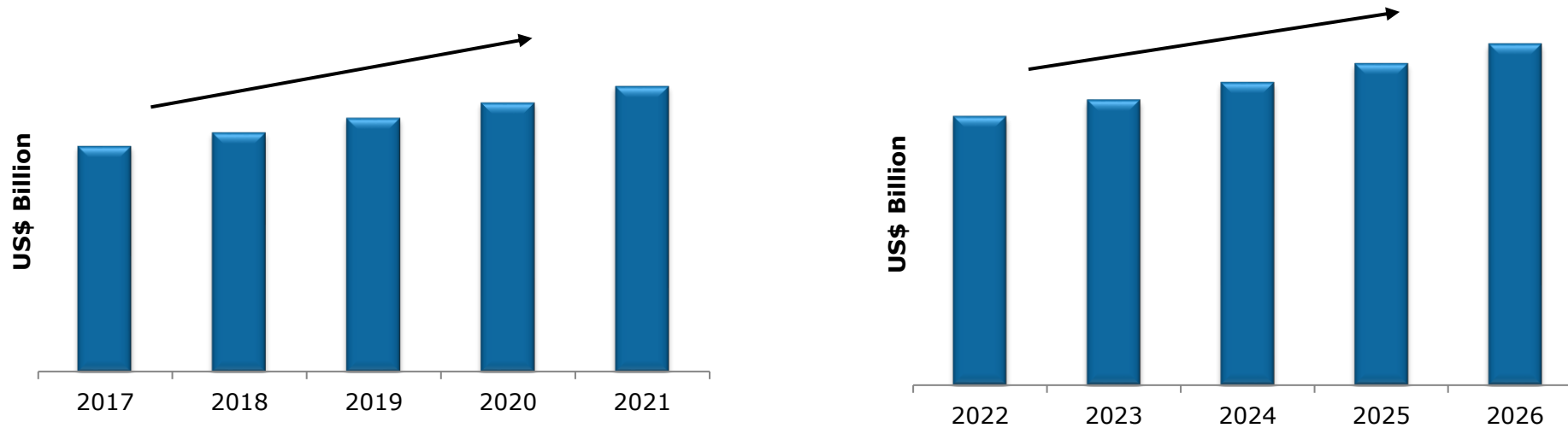
Active materials in cathode plays a prominent role; as they decide the features of a cathode and number of electrons changes in a charge, hence defining the changing capacity and voltage of a battery. Active materials characteristics changes depending on the type of metal and ratio of metals. For instance, Nickel has high capacity, whereas Manganese and Cobalt has high safety and Aluminum increases power of a battery.

Cathode can be segmented on the basis of type (Lead Acid and Lithium-ion); material type (Lithium iron Phosphate (LFP), Nickel Cobalt Manganese (NCM), Lead Oxide, Nickel Cobalt Aluminum (NCA), Lithium Cobalt Oxide (LCO), and Lithium Manganese Oxide (LMO)); and end-user (Automotive, Consumer Electronics, Power Tools, Energy Storage System and Others).

The global cathode market is projected to grow significantly during the period of 2022-2026. The global cathode market is expected to increase due to boom in consumer electronics, adoption of renewable energy, growing usage of lithium-ion battery, and rising demand for rechargeable battery. Yet, the market faces some challenges like lack of raw material availability and safety issues.

# Cathode Market: Global Analysis

## Global Cathode Market by Value

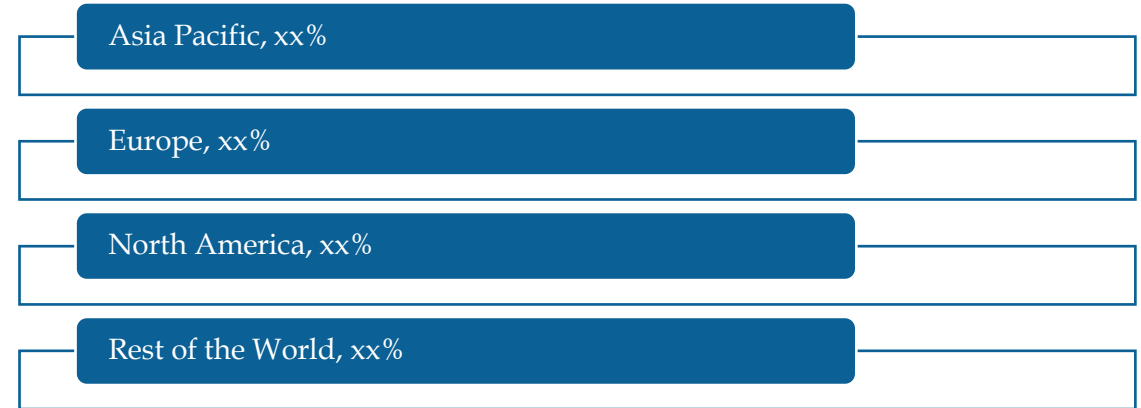
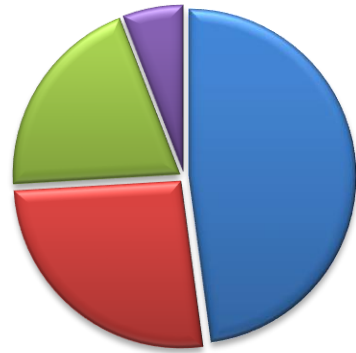


CAGRs	
2017-2021	xx%
2022-2026	xx%

The global cathode market, valued at US\$... billion in 2021, increased as compared to US\$... billion in 2017 at a CAGR of ...% from 2017 to 2021. The global cathode market is anticipated to reach up to US\$... billion by 2026 from US\$... billion in 2022..

# Cathode Market: Global Analysis

## Global Cathode Market by Region; 2021



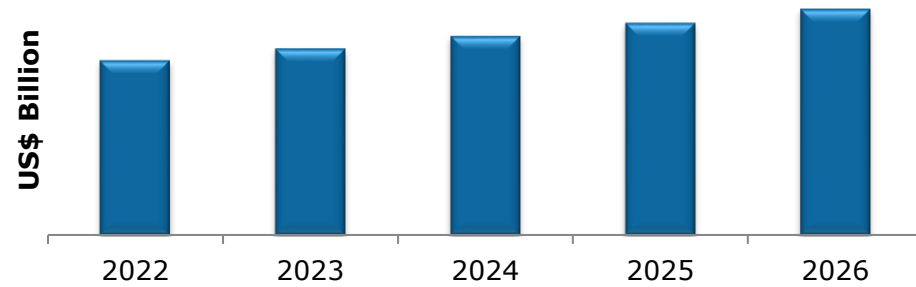
## Global Cathode Market by Type; 2021



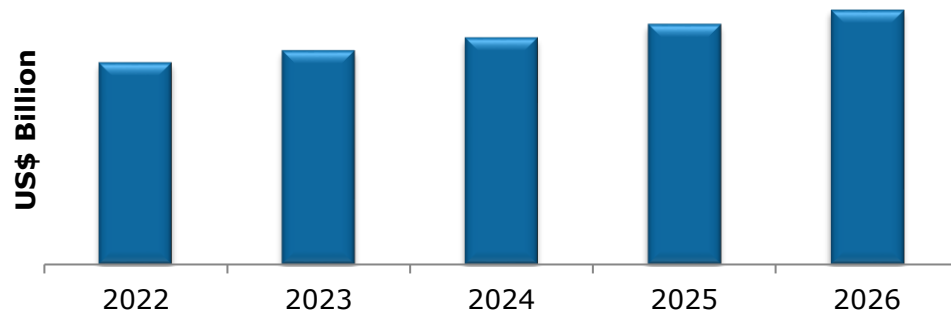
Type	Share
Lithium-ion	xx%
Lead Acid	xx%
Others	xx%

# Cathode Market: Type Analysis

## Global Lithium-ion Cathode Market by Value



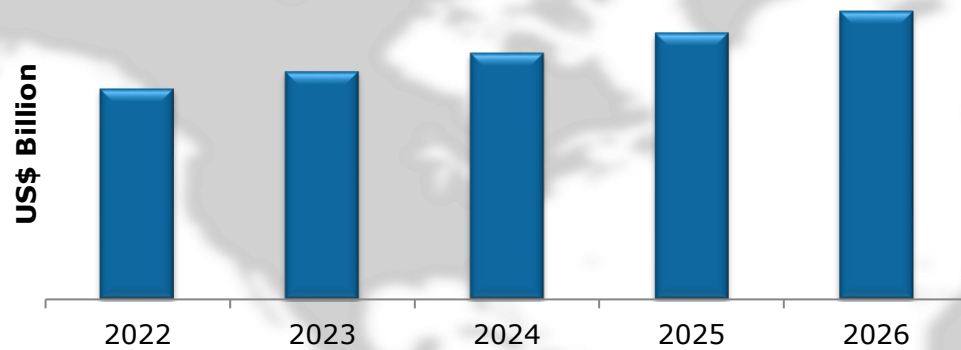
## Global Lead Acid Market by Value



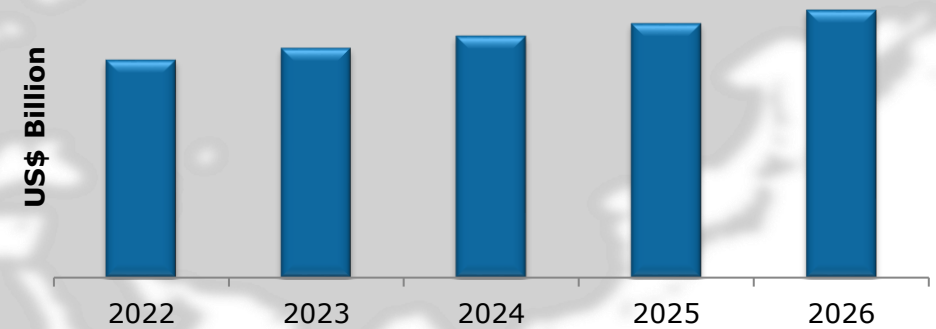
Type	CAGR
	2022-2026
Lithium-ion	xx%
Lead Acid	xx%
Others	xx%

# Cathode Market: Regional Analysis

## Asia Pacific Cathode Market by Value

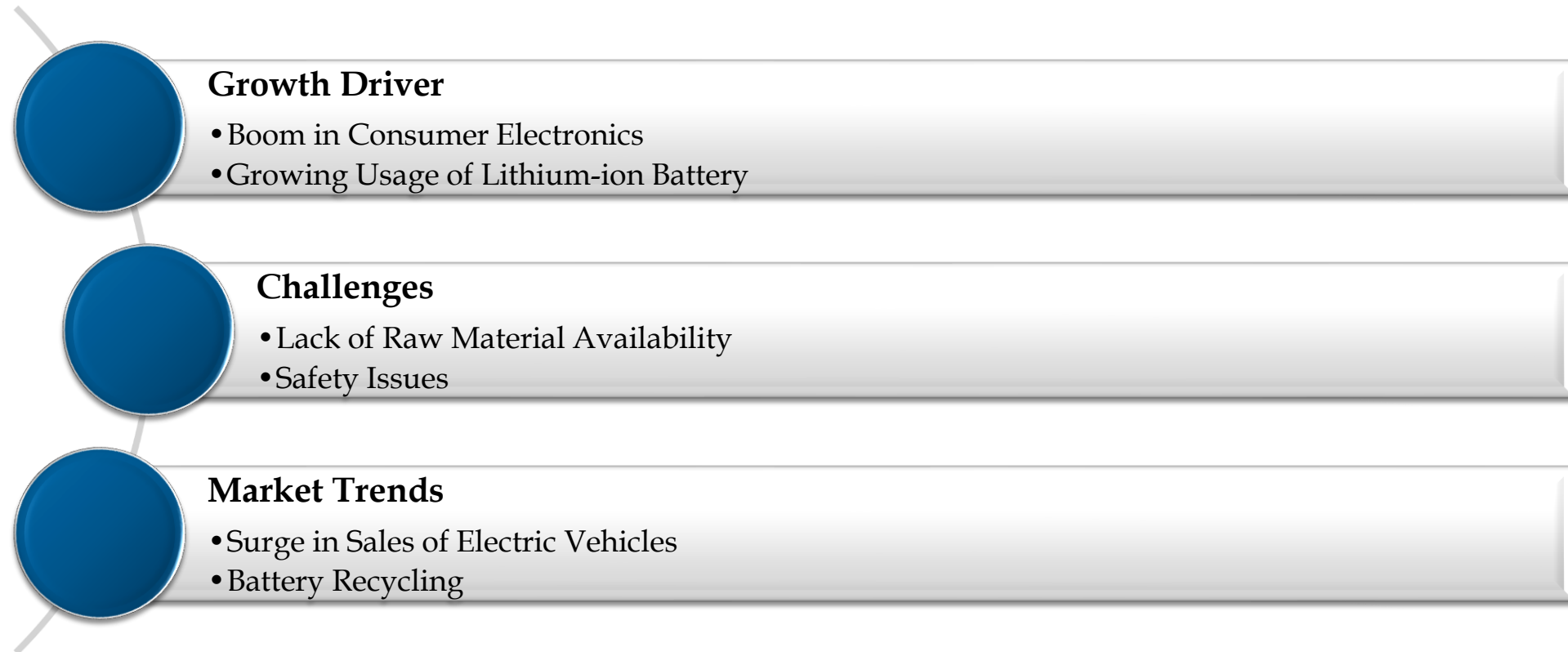


## Europe Cathode Market by Value



Region	CAGR
	2022-2026
Asia Pacific	xx%
Europe	xx%
North America	xx%
Rest of the World	xx%

# Cathode Market: Dynamics



# Cathode Market: Competitive Landscape

## Players Profiled

- Johnson Matthey 
- POSCO Group 
- Umicore 
- BASF SE 

Note: The graphs on this slide are only for sample representation.