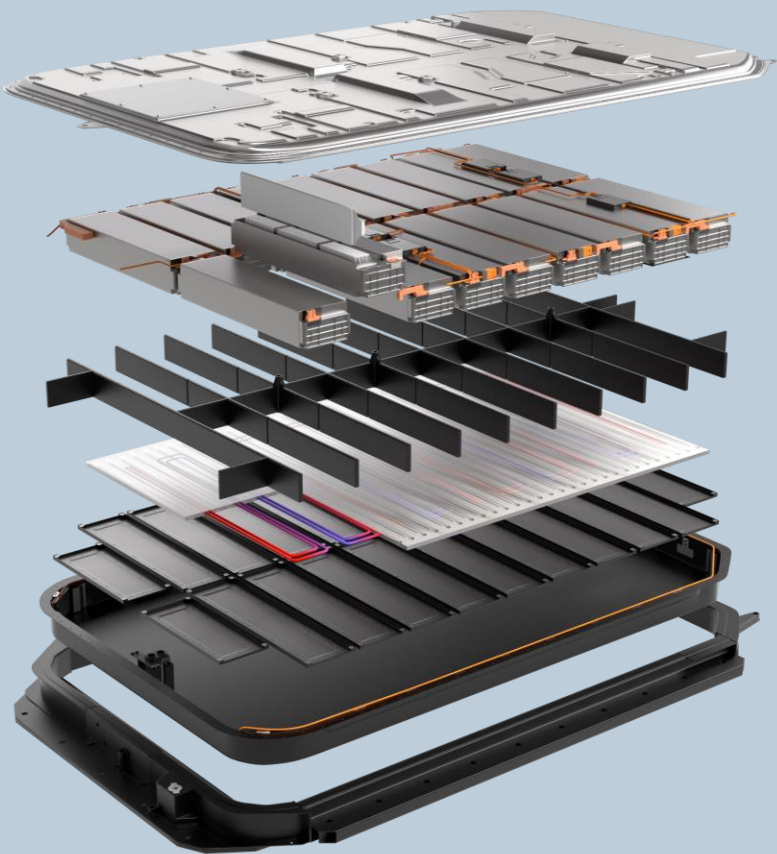




HENKEL SOLUTIONS

LONDRINA 2025

Henkel

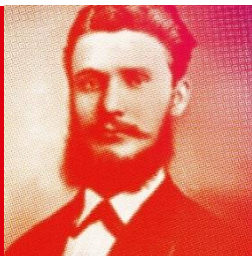
AGENDA

- 01 **OVERVIEW HENKEL & ADHESIVES TECHNOLOGY**
- 02 AUTOMOTIVE COMPONENTS BUSINESS
- 03 OUR FOUR MARKET SEGMENTS
 - E-MOBILITY
 - CONVENTIONAL BATTERY SOLUTION



SALES

€22.4_{BN}



-55%

LESS CO₂ EMISSIONS
PER TON OF PRODUCT¹

SOCIAL PROJECTS

2,055

€2.3_{BN}

ADJUSTED OPERATING
PROFIT (EBIT)

146 YEARS

SUCCESS WITH
BRANDS AND
TECHNOLOGIES

WE EMPLOY MORE THAN

50,000

PEOPLE FROM
124 NATIONALITIES



AROUND

39%

WOMEN IN
MANAGEMENT

¹ Compared to the base year 2010.

>130,000

DIRECT
CUSTOMERS



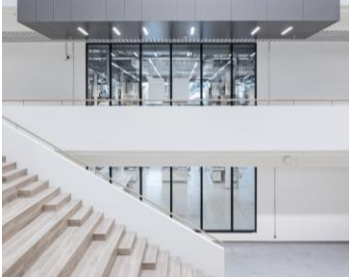
9

STRATEGIC
BUSINESS
UNITS



12

TECHNOLOGY
PLATFORMS



Henkel

ADHESIVE
TECHNOLOGIES



>800

INDUSTRY
SEGMENTS



~6,500

CUSTOMER
FACING
EXPERTS



>150

COUNTRIES
WITH MARKET
PRESENCE



133

PLANTS
AROUND
THE GLOBE

LEADING POSITIONS IN INDUSTRIAL AND CONSUMER BUSINESSES



ADHESIVE TECHNOLOGIES

LOCTITE

TECHNOMELT

BONDERITE



CONSUMER BRANDS

Persil

Schwarzkopf



syoss

ADHESIVES TECHNOLOGY

LEADING POSITIONS ACROSS INDUSTRIES & TECHNOLOGIES

Mobility & Electronics



Automotive OEMs & components, e-mobility, metal coil, electronics, semiconductor packaging, aerospace, industrial assembly

#1 worldwide

Packaging & Consumer Goods



Food & beverage, hygiene, metal and flexible packaging, sports & fashion

#1 worldwide

Craftsmen, Construction & Professional

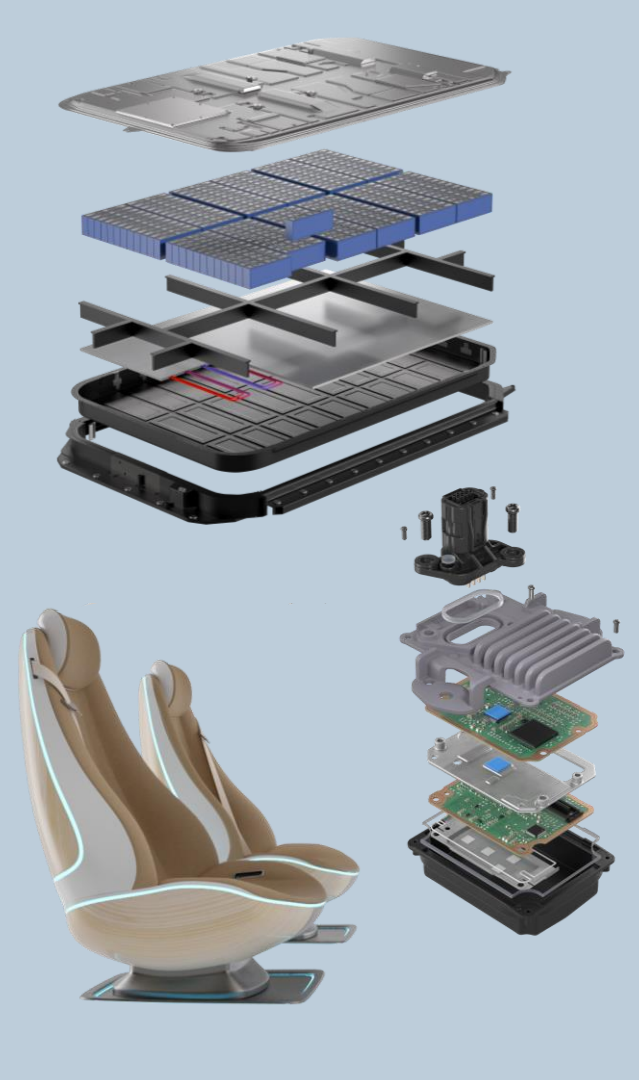


DIY, craftsmen, construction, engineered wood, professional users in manufacturing & maintenance

#2 worldwide

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HENKEL AS KEY SUPPLIER FOR THE AUTOMOTIVE INDUSTRY

Trusted Partner of OEMs & Tier 1 Suppliers



- Global business serving every major OEM and Tier 1 supplier
- Henkel solutions in >90% of every car on the road
- >10,000 customer approvals at OEMs and Tier1 customers
- Deep design collaboration with all major OEMs and Tier1s
- 900 SBU professionals serving our customers globally

AUTOMOTIVE COMPONENTS BUSINESS

GLOBAL FOOTPRINT

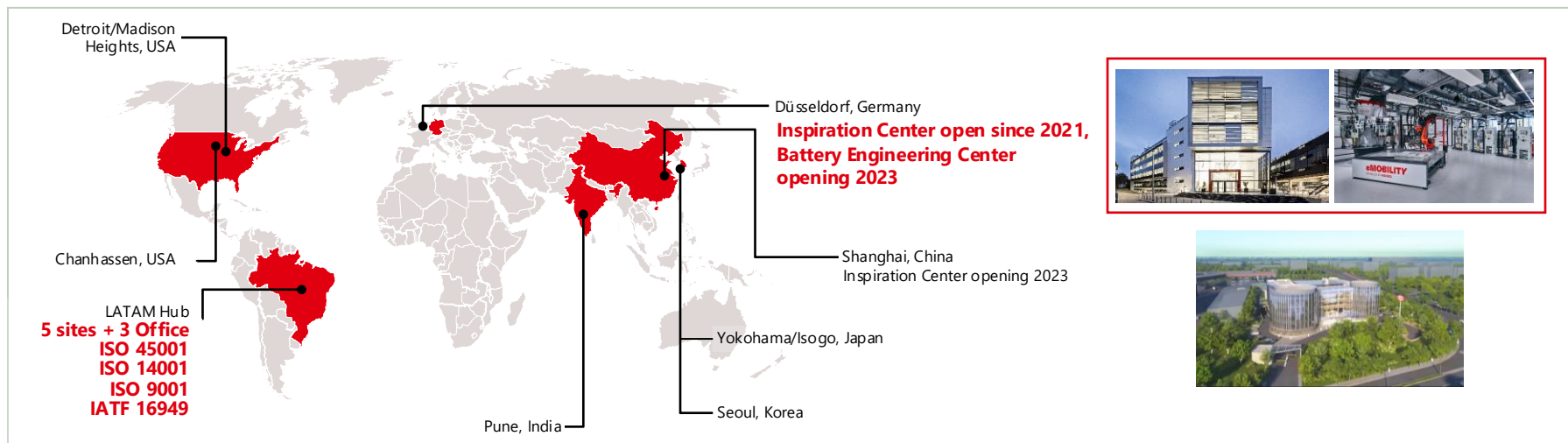
8 Innovation Hubs
**Automotive
Expertise**

~200 Scientists
**Multi-
Technologies**

~100 Thermal &
**Battery
Solutions Experts**

~400* Patents
**Automotive
Applications**

+200M€ Invest
**Inspiration Centers
Düsseldorf/Shanghai**



* Active patent families



Overall project design

- Highly efficient energy building
- Ready to receive photovoltaic energy
- Rainwater reuse system
- Biodigester for organic waste
- Optimized Natural / LED lighting
- BMS (building management system)



Regional flora

Admin Building made of Engineering wood

- Promoting the use of renewable materials
- Reduction in CO2 and GHG emissions
- Reduction of construction waste
- Better energy performance and thermal comfort for users
- Built with Loctite technology - Flame resistant and minimized use of fasteners



Monkei

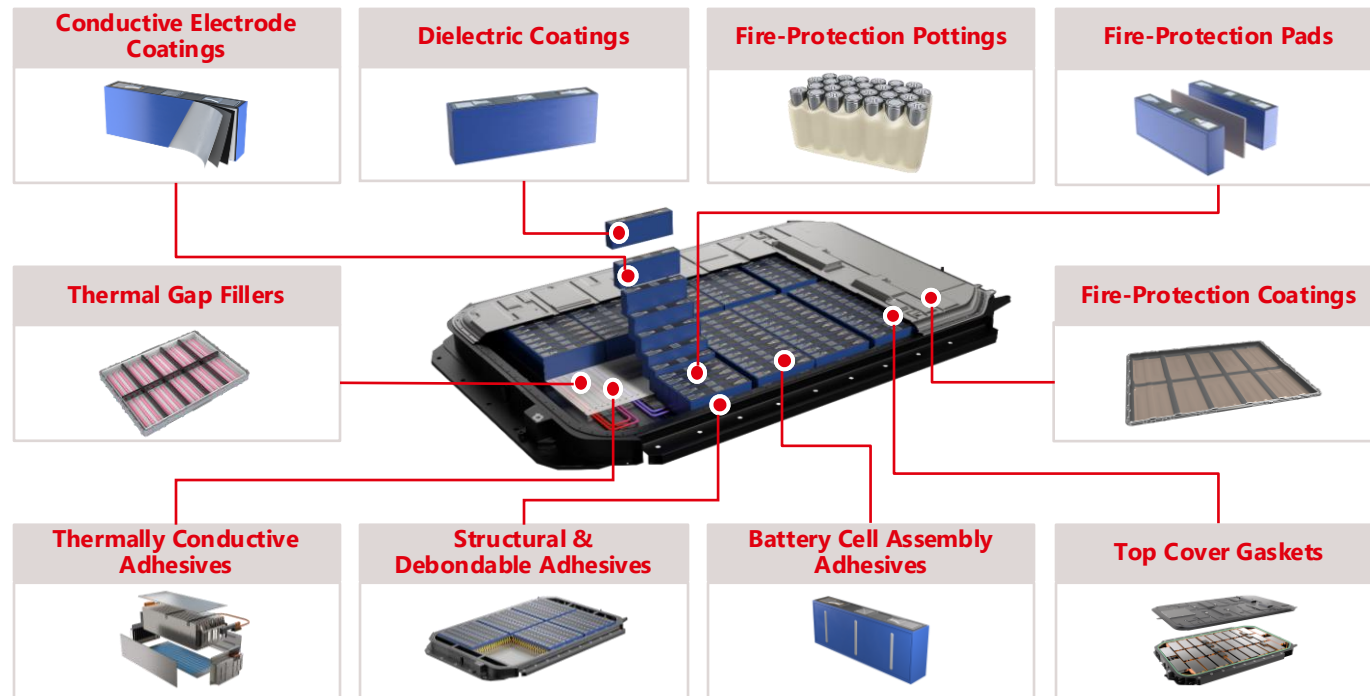
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HENKEL E-MOBILITY SOLUTIONS

KEY TECHNOLOGIES FOR BATTERY SYSTEMS



APPLICABLE TO VARIOUS
BATTERY TYPES

Pouch



Cylindrical



Prismatic



AGENDA

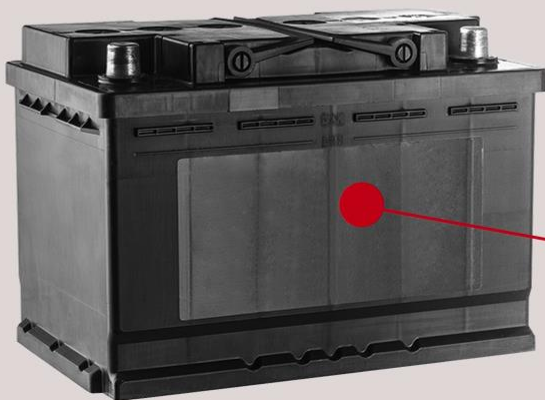
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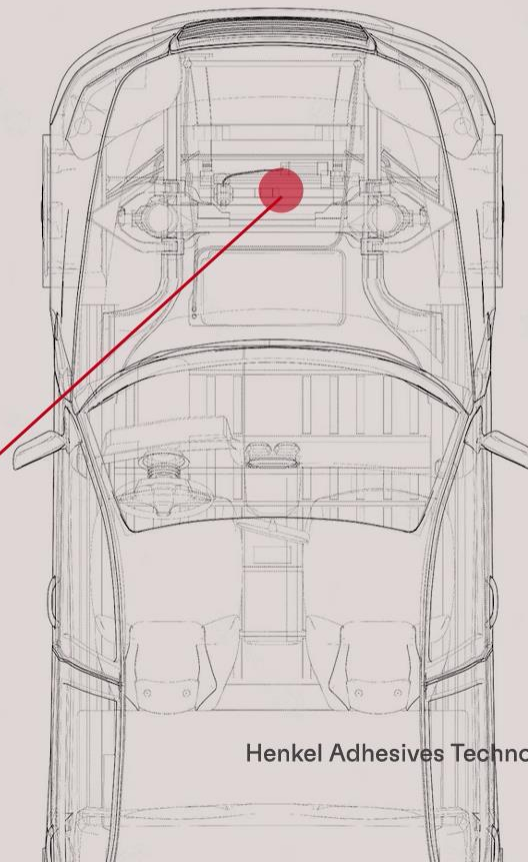
TECHNOMELT®

TECHNOMELT® AS 4350

A nova **solução hotmelt**
da Henkel para baterias.



Henkel



Henkel Adhesives Technology

REDUZA O CONSUMO DE ENERGIA E AUMENTE A PRODUTIVIDADE

O **TECHNOMELT® AS 4350** é uma solução hotmelt desenvolvida para a união/fixação das placas internas, evitando a descontinuidade no valor da corrente elétrica, quedas de tensão elétrica e curtos-circuitos.

Esse lançamento permite a aplicação em **menor temperatura** (150°C a 200°C) , **economizando energia** e gerando a necessidade de **menos manutenção** no conjunto (coleiro, mangueira e bico). Além disso, o **uso de adesivo** por bateria pode ser até **30% menor**, se comparado com outros produtos do mercado.

CARACTERÍSTICAS

- Excelente resistência mecânica e química
- Alto alongamento
- Excelente estabilidade térmica
- Resistente ao ácido sulfúrico
- Ótima adesão ao polipropileno (PP)
- Aprovado na norma ABNT NBR 15940:2019 (ensaio de vibração)
- Resistência de até 20h no ensaio de vibração
- Aplicado em baterias de veículos leves, pesados e agrícolas



FIND OUT MORE ON [HENKEL-ADHESIVES.COM](https://www.henkel-adhesives.com)