
VARTA AG

Vision

„We define the future
of battery technology to
empower a more independent life.“

Mission

„Through continuous investments in research and development, we set the benchmark in battery technology and customization to strive market leadership in our segments.“

Figures About the Company

Ellwangen

Turnover 2022

€806,9 million

Nördlingen

Cells produced in 2022

approx. 3 billion cells

Dischingen

Employees

approx. 4.600

Global Presence

HQ Ellwangen

Approx. 1,650 Employees

Production capacity of more than 1.200 billion microbatteries p.a.

Packaging capacity of 1 billion microbatteries p.a.

Dischingen

Approx. 600 Employees

Production capacity of 1.750 billion alkaline batteries p.a.

Nördlingen

Approx. 900 Employees

Production capacity of more than 200 million microbatteries p.a.

Production capacity of 15,000 energy storage systems p.a.

Romania

Approx. 500 Employees

Packaging capacity of 300 million microbatteries p.a.

Packaging capacity of 40 million consumer batteries p.a.

Assembly capacity of 50 million micro and round cells p.a

Indonesia

Approx. 700 Employees

Assembly capacity of 100 million micro and round cells p.a.

China (Shenzhen)

17 Employees

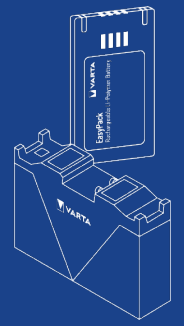
Technology Competence Center

VARTA AG – organization update

VARTA AG

Speaker of the Board – **Markus Hackstein** | CTO – **Rainer Hald** | CFO – **Marc Hundsdorf** | CRO – **Michael Giesswein**

Micro Batteries	Lithium-Ion CoinPower	Consumer Batteries	Energy Storage Systems	Other	
				Lithium-Ion Battery Packs	Lithium-Ion Large Cells



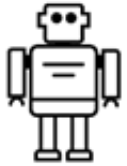
Accounting | Communications | Controlling | Corporate Development | Engineering & Equipment | Human Resources
Information Technology | Investor Relations | Legal & Compliance | Marketing | Operations & Supply Chain
Project Management | Purchasing | Quality | Research & Development | Sustainability | Taxes | Treasury

Applications

Wearables

Hearing Aids

IT / Communication



Industry / Robotics

Consumer

Medicine

Energy Storage for Residential

Commercial Energy Storage Systems

IoT

Automotive Industry

Home & Garden

Power Tools

VARTA AG

Household Batteries

Household Batteries

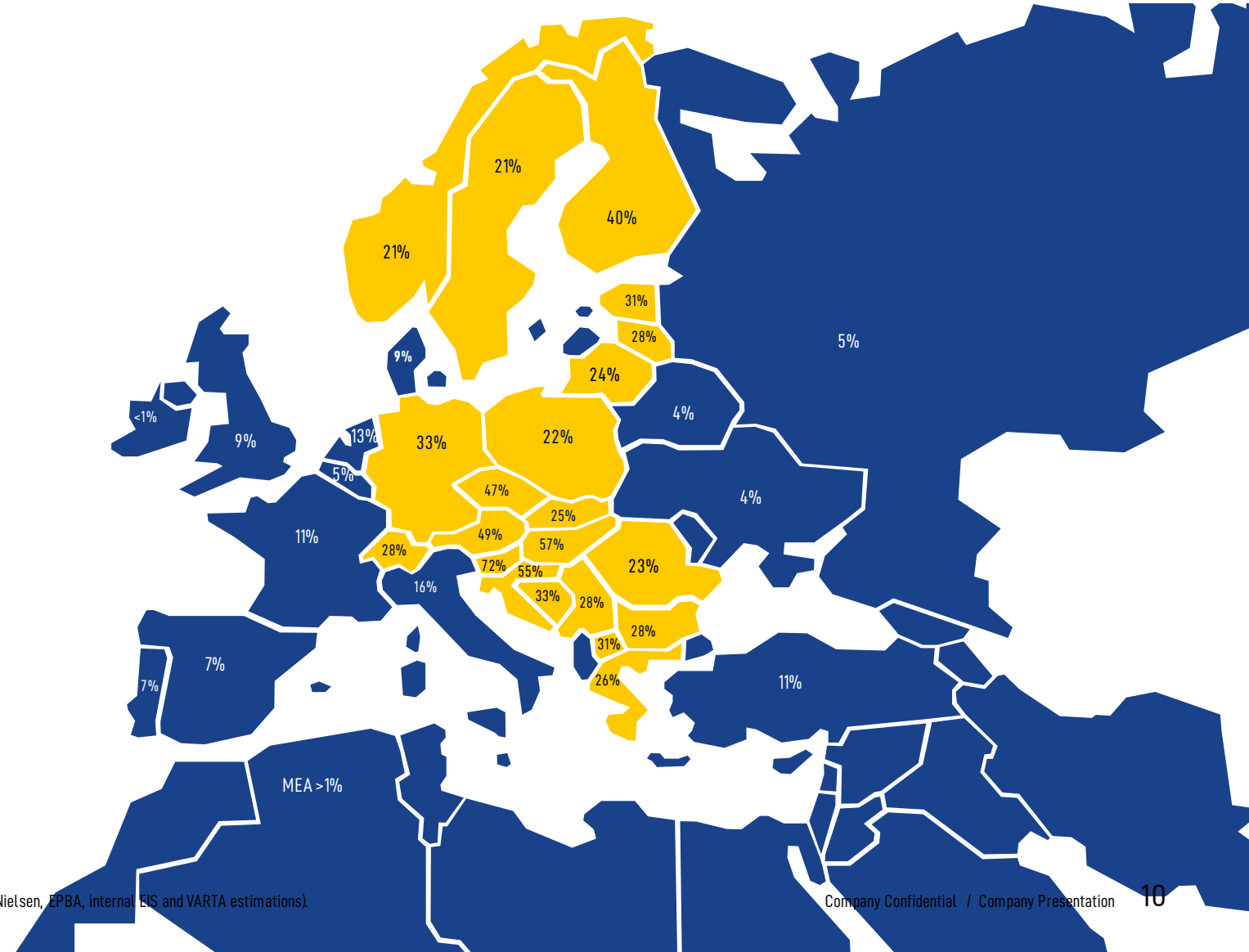
- VARTA is one of the most important international manufacturers of portable batteries.
- The range includes batteries, rechargeable batteries, power banks, chargers and lights.
- The energy storage solutions in the home and large-scale storage market range from compact entry-level models to large-scale storage.
- The systems are suitable for all new installations and retrofits.
- The intelligent energy management system ensures optimal utilisation of the self-produced solar energy and significantly increases self-consumption.

VARTA is the leading producer of household batteries

Leading in ~20 countries

Top 3 in most EU countries

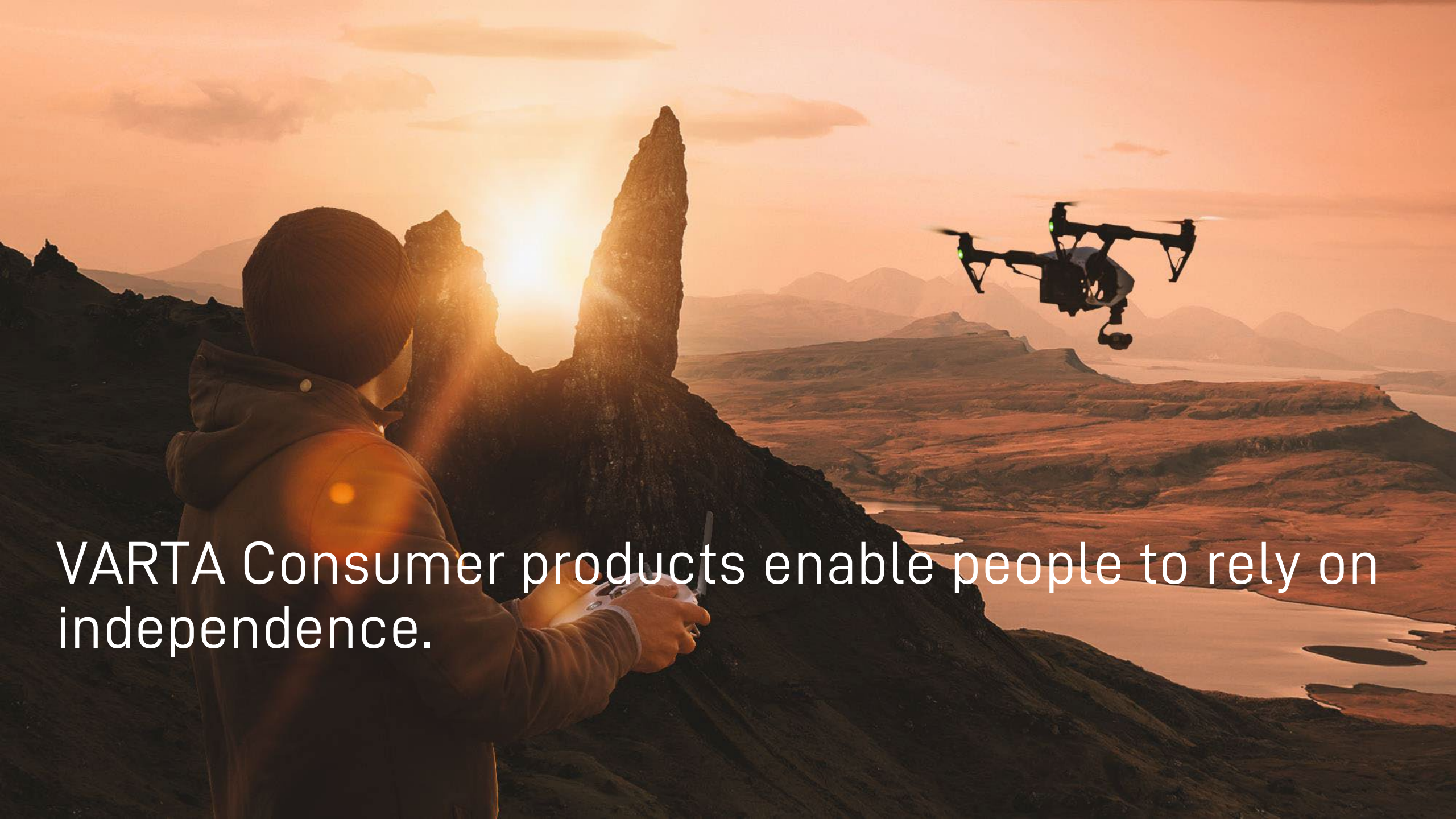
~80% brand awareness in key markets



#1 Position

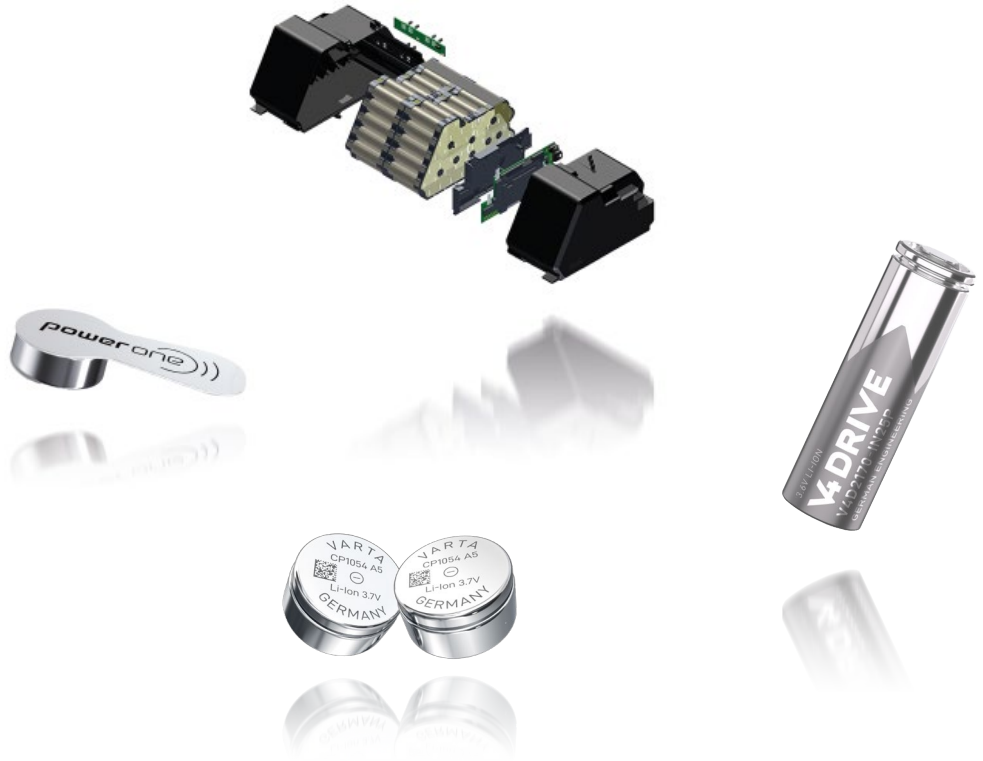
#2 and #3 Position

Note: Represents company share, inclusive of private label. Source: European Market Data 2020, Primary and Rechargeable (Nielsen, EPBA, internal EIS and VARTA estimations).


VARTA Consumer products enable people to rely on independence.

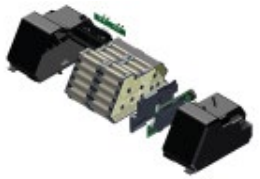
Energy Storage supports independence and contributes to the energy revolution.

VARTA AG



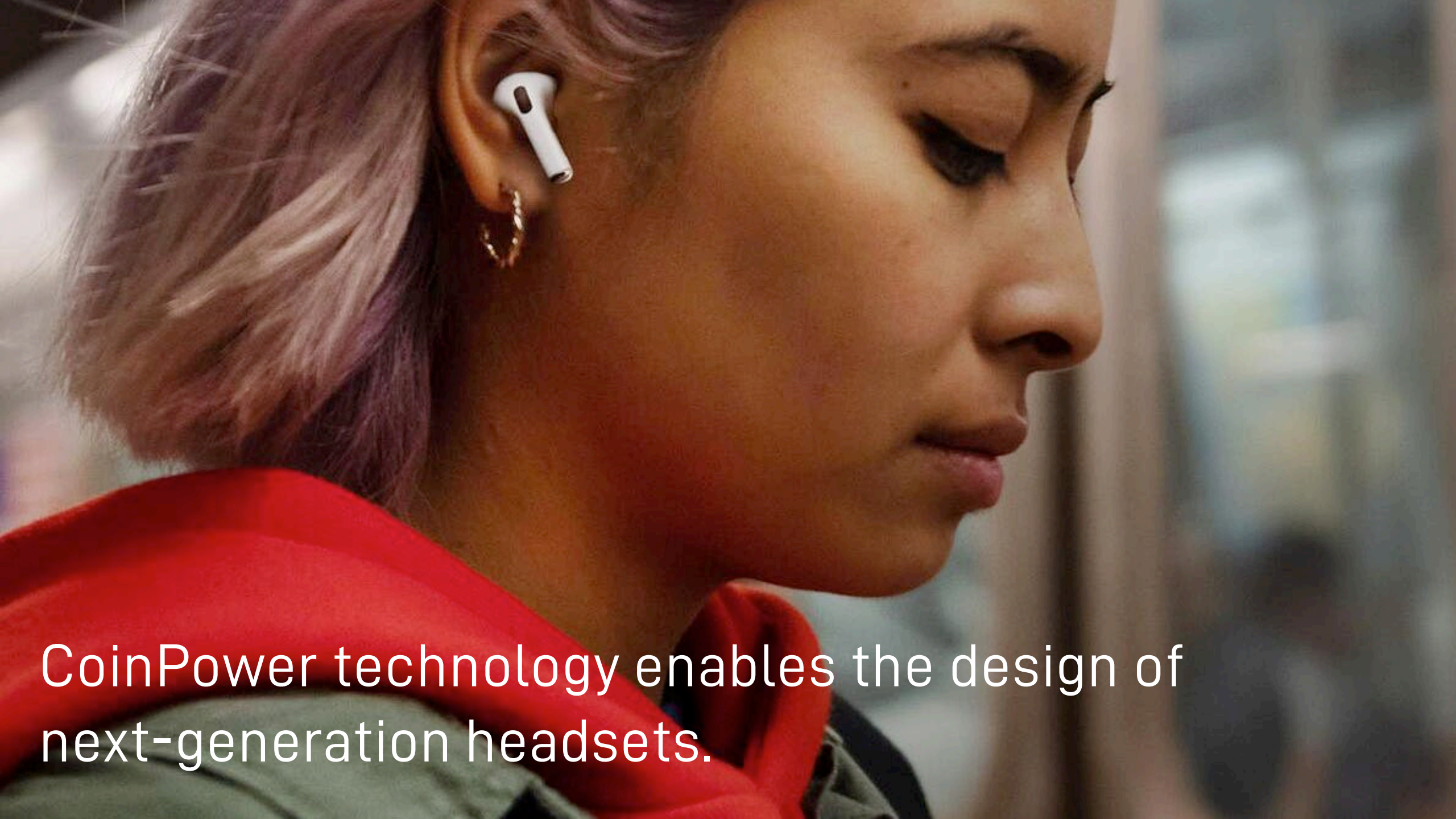
Lithium-Ion Solutions & Micro Batteries

VARTA Sets New Standards as a Worldwide Innovation and Technology Leader

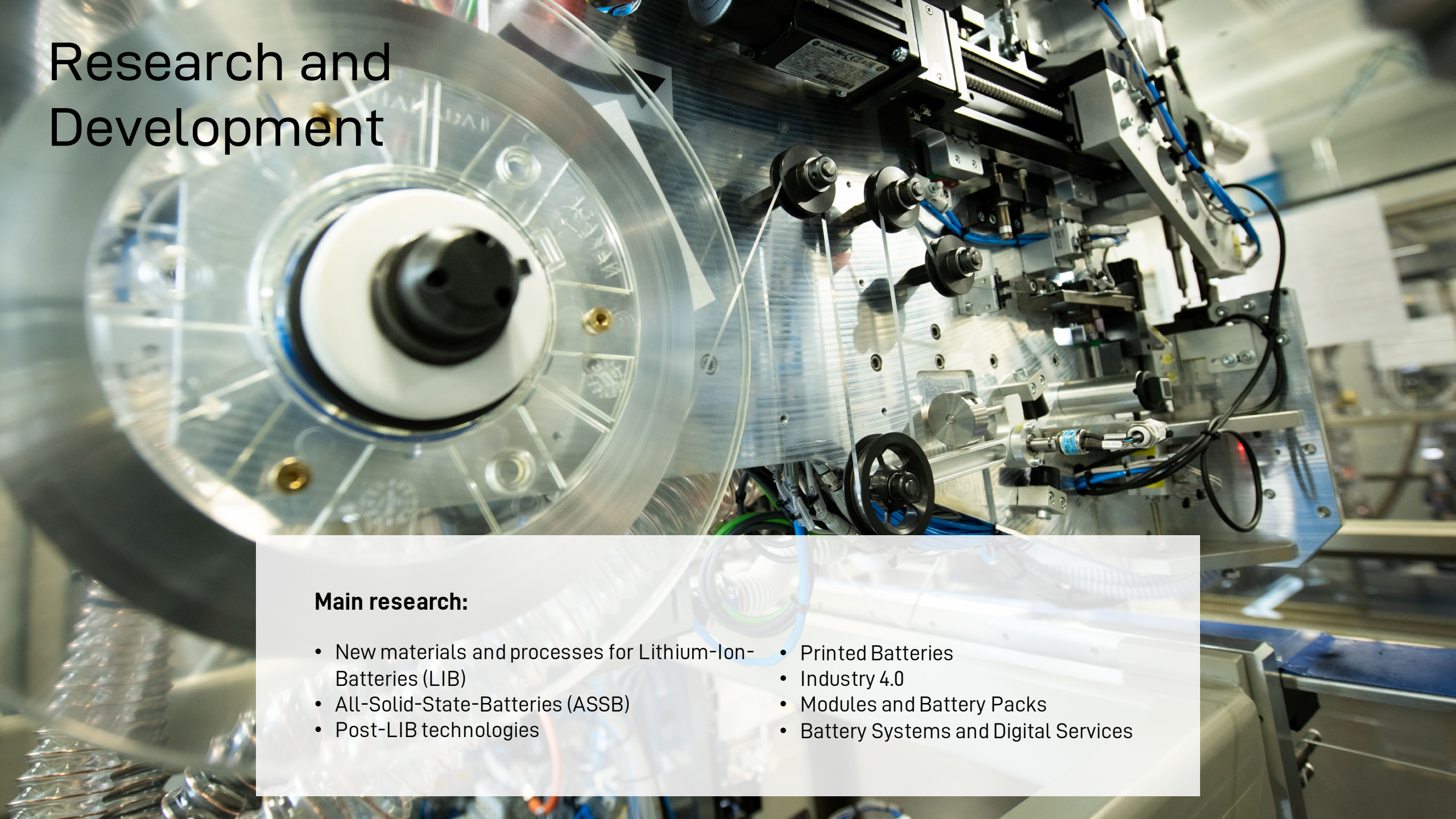


- VARTA is a leader in lithium-ion technology. VARTA CoinPower combines our strengths, our experience in this technology for modern button cells. Innovative design meets the highest energy density.
- VARTA is the leading international manufacturer of microbatteries for a wide range of applications in the micro segment.
- Power Pack Solutions: A highly individual, customized battery that acts as a driving force to bring ideas to life.
- V4Drive combines fast charging, high power and long range capability, innovative chemical system, better mechanical design, innovative process technology exceptional and unique performance in different cell formats possible

Micro


CoinPower technology enables the design of
next-generation headsets.

Research and Development



Main research:

- New materials and processes for Lithium-Ion-Batteries (LIB)
- All-Solid-State-Batteries (ASSB)
- Post-LIB technologies
- Printed Batteries
- Industry 4.0
- Modules and Battery Packs
- Battery Systems and Digital Services

Lithium-Ion Technology

INNOVATIVE BATTERY KNOW-HOW

VARTA'S GENETIC CODE

SCALED PRODUCTION COMPETENCE

1990
Start of primary lithium-ion button cell production

1995
Start of assembly of primary lithium-ion cells

2000
Manufacture of customised lithium-ion softpack cells

2009
Joint venture, with Volkswagen AG for the purpose of materials research.

2010
Battery pack design now includes mechanical and electrical communications.

2011
VARTA sells AA and AAA lithium cells for the first time

2012
Introduction of residential stationary energy storage systems, including connection to solar and public infrastructure.

2014
Launch of VARTA CoinPower, innovative design enables high performance battery

2016
Implementation of commercial energy storage systems. Design and development of flexible energy management systems.

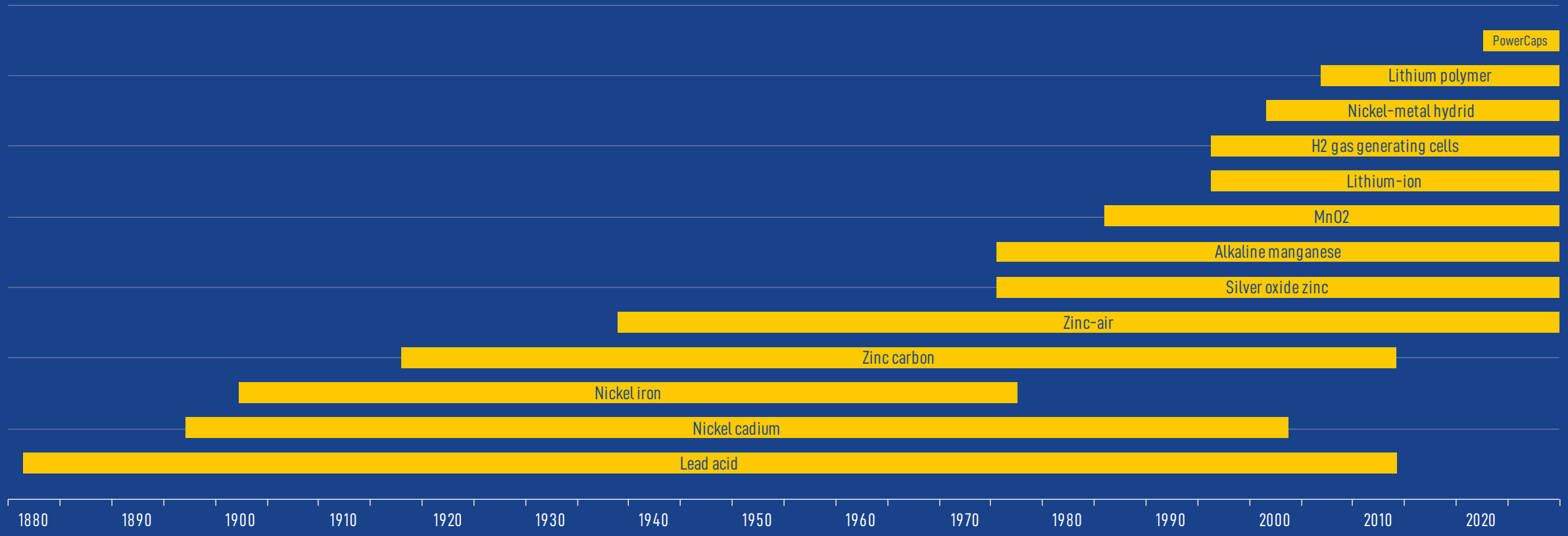
2018
Introduction of new CoinPower form factors. Introduction of rechargeable lithium-ion cells for hearing aids.

2019
VARTA enormously improves the energy density of its lithium-ion cells. Massive expansion of the production facilities in Ellwangen and Nördlingen.

2020
Continuous extensive expansion of our production facilities in Ellwangen and Nördlingen.

2021
With V4Drive, VARTA has developed a Li-ion cell that stands out for its fast-charging capability and acceleration performance. V4Drive is the only battery cell that combines fast charging, high performance and long-distance capability.

VARTA's Battery Technologies Over Time



Production

VARTA Battery Production

- Material and Component Production
- Electrode Production
- Components Production
- Cell Production
- Battery Assembly

Integrated Management Systems-Certifications

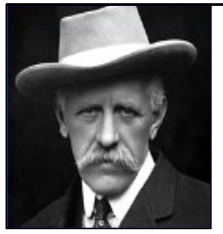
ISO 9001	Quality Management System
ISO 14001	Environmental Management System
ISO 50001	Energy Management System
ISO 13485	Quality Management System for Medical Devices

VARTA – More than 130 Years of History and Innovation

1887

Adolph Müller founds Büsche & Müller in Hagen, the first representative of today's VARTA.

1896

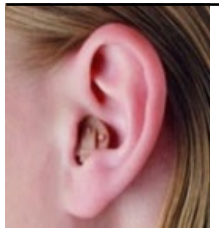


Electric light made the exploration of the North Pole possible.

1969

Moon landing

2001

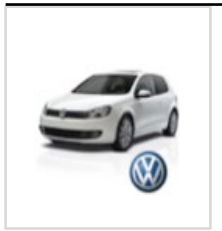


Establishment of the power one label - the hearing aid power

2001/ 02

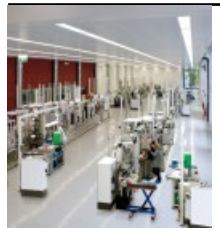
VARTA Consumer and Automotive are forced to leave the VARTA Group

2009



Joint Venture with Volkswagen

2012



World's largest and most modern hearing aid battery factory, foundation of VARTA Storage

2015

Fully automated production of small lithium-ion batteries

2017

Anniversary 130 years VARTA
Ten years of Montana Tech components

2017

Market launch of the energy storage solution VARTA pulse, VARTA AG starts trading on the Frankfurt Stock Exchange

2018

Foundation stone laid for innovative Li-ion production and fully automated warehouse

2020

VARTA AG buys back VARTA Consumer business from Spectrum Brands.

2021

VARTA takes the next step and develops a power cell - the only battery cell that combines fast charging, high performance and long-distance capability.

Museum

german brand award 19 winner

Museum

german brand award 19 winner

Museum


Small battery with huge potential.
VARTA BATTERIETECHNIK IM ÜBERBLICK
MEDIZINISCHE FORTSCHRITTE MIT VARTA
VARTA SCHREIBT GESCHICHTE.
VARTA made history.
VARTA reaches out for the stars.
german brand award 19 winner

Contact

VARTA AG
VARTA-Platz 1
73479 Ellwangen, Germany
Tel.: +49 7961 921-0
E-Mail: info@varta-ag.com