



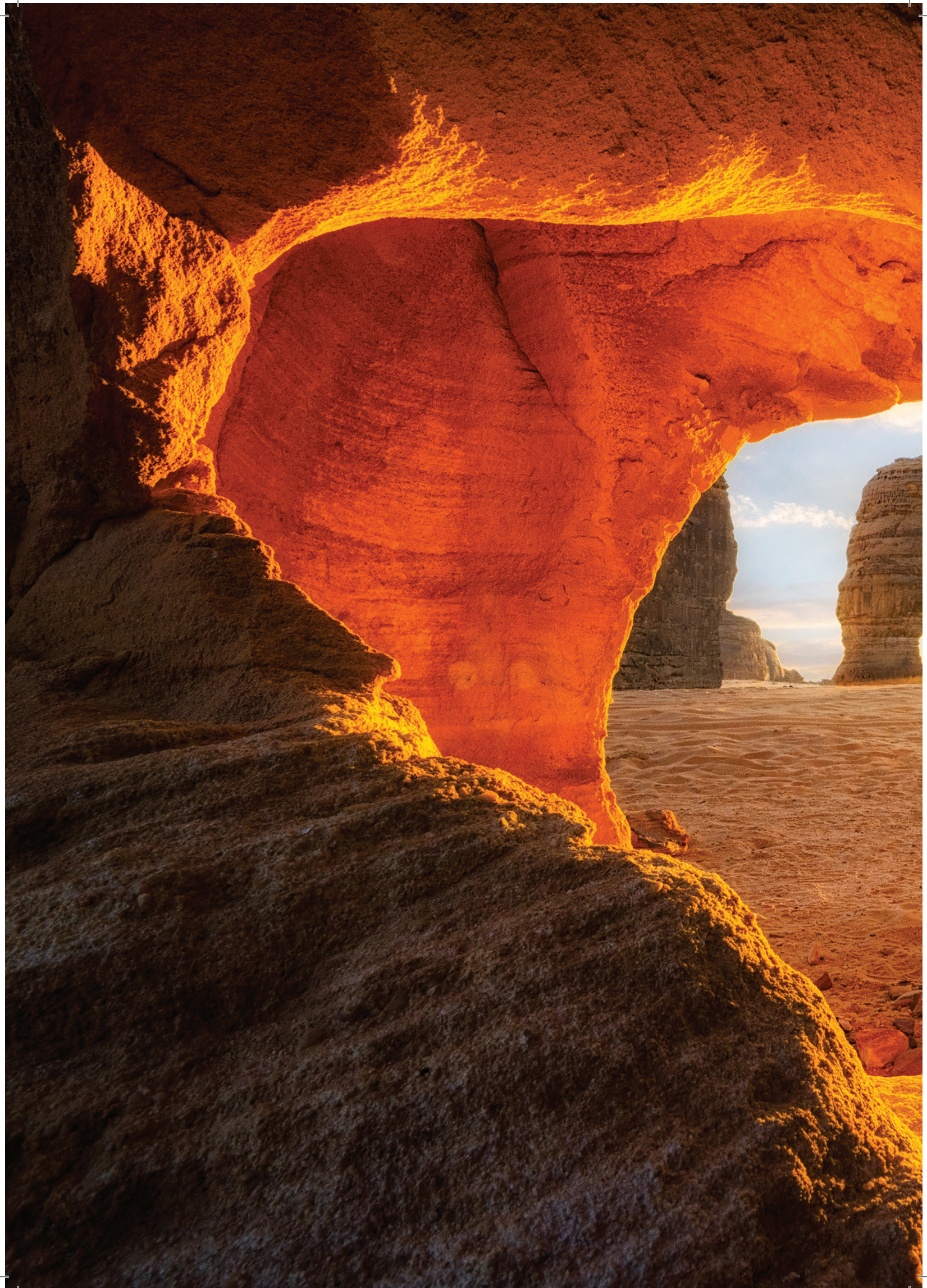
SAUDI MADE

• GAZ •

VISION رؤية
2030



GAZ®
German quality
/ since 1884





Dear Business Partners,

We are proud to announce that the manufacturing of GAZ energy storage systems is now fully localized, in our facility in Dammam, the Kingdom of Saudi Arabia. GAZ energy storage systems play significant role in the oil and gas industry by providing reliable back-up power in the up-stream and down-stream processes. By making power generation, transmission and distribution reliable, they contribute to the mining industries by being in the front line against energy supply interruptions. Most of all, GAZ all-in-one integrated energy storage systems are the choice to store energy generated by the fast growing solar and other renewable energy sources.

Robert Ullmann

Managing Director GAZ, Germany
Member of the Board GAZ Middle East Industries,
Kingdom of Saudi Arabia





GAZ in the Kingdom of Saudi Arabia - Vision 2030

As much as petrol engines made a huge impact on 20th century, our era is about clean energy and energy storage. In upcoming years, energy storage systems will make a significant contribution to achieve sustainable future and the Kingdom of Saudi Arabia is the pivotal force driving this global change forward.

We as GAZ are in an unprecedented position to contribute and endorse this vision, the aim of a clean, net-zero carbon emissions world with energy primarily generated from renewable resources. We share the Saudi vision, and that is why we decided to dedicate considerable part of our investments in the Kingdom of Saudi Arabia.

By building a full-scale state-of-the-art manufacturing facility in Dammam Industrial City 3, GAZ not only brings 140 years of German quality and know-how in manufacturing of energy storage systems to the Kingdom, but it will also create new workplaces for Saudi professionals creating the first true "Saudi Made" Ni-Cd based energy storage products. All manufactured in a facility that is to its size, production process and production output comparable as its sister plant, German production, which has become well known and respected for an exceptional quality, reliable products approved and well-known across many industries within Gulf region.

You are very welcome to visit our facilities at any time and see a real dedication of our GAZ employees and what reliability, quality, unparalleled customer approach, experience, tradition and new technologies mean for all of us. Please feel free to contact our representatives who will gladly answer your questions or assist and coordinate our factory visit.



For 140 years GAZ (Geräte- und Akkumulatorenwerk Zwickau), has been specialized in the design, manufacturing and marketing of high-quality Ni-Cd batteries.

Located in Zwickau, Germany, GAZ is a globally recognized company with leading positions in Ni-Cd battery production. GAZ provides critical backup power for companies in many of the world's largest and most critical industries, from oil and gas, energy and communications to transportation including aerospace and defence and the critical infrastructure.

Working side-by-side with GAZ customers, GAZ develops customized battery solutions that make them more competitive. GAZ solutions combine the state-of-the art technology process with the knowledge and know-how of highly experienced and talented team of scientists, technologists and engineers.

GAZ AT A GLANCE

Since 2019, GAZ has been part of Bochemie Group. Bochemie is a specialty chemical company that produces a broad range of advanced materials and specialty chemicals.



140 YEARS
OF EXPERIENCE



75 MIL. AH CURRENT
PRODUCTION CAPACITY



ABOUT 100
EMPLOYEES

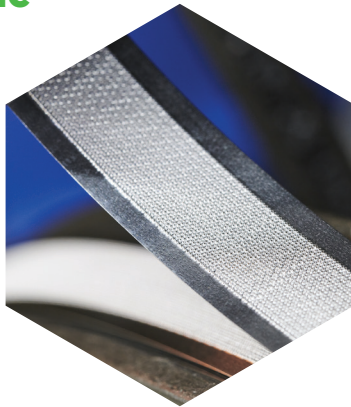


SINCE 2019
PART OF BOCHEMIE

PRODUCTION SITES



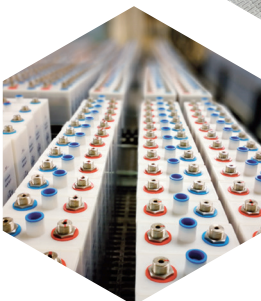
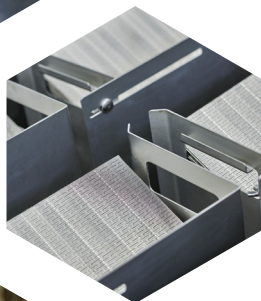
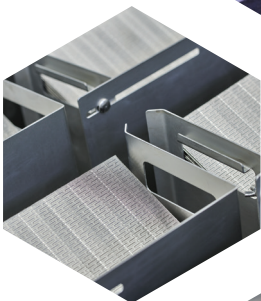
Czech Republic
BOHUMÍN



Germany
ZWICKAU



Saudi Arabia
DAMMAM INDUSTRIAL
CITY 3



GAZ Ni-Cd BATTERIES

Your first choice for reliable, long-life, low maintenance products.

**„WE HAVE WHAT IT TAKES AND ARE COMMITTED TO PROVIDE
AN OUSTANDING APPROACH TO OUR CUSTOMERS“**



Experience
and reliability



German quality



Unparalleled
customer approach

GAZ Ni-Cd Batteries

- Exceptionally reliable
- Lasts for 20+ years
- Robust
- Safe to recycle
- Wide temperature range
- Low maintenance requirements
- Long shelf life



WHY Ni-Cd?

It is simple - all thanks to the principles of alkaline chemistry.

We have very strong reasons to focus on Ni-Cd:



Ni-Cd operates even in relentless temperatures



Ni-Cd is the most reliable battery



Ni-Cd is perfect for most applications



Ni-Cd is suited for the use in every sector



Ni-Cd has exceptionally long operational lifetime



Ni-Cd can be safely recycled



Ni-Cd means no risk of sudden failure



Ni-Cd has low life-cycle cost

TYPICAL APPLICATIONS

GAZ Ni-Cd batteries



Utilities



Oil & Gas



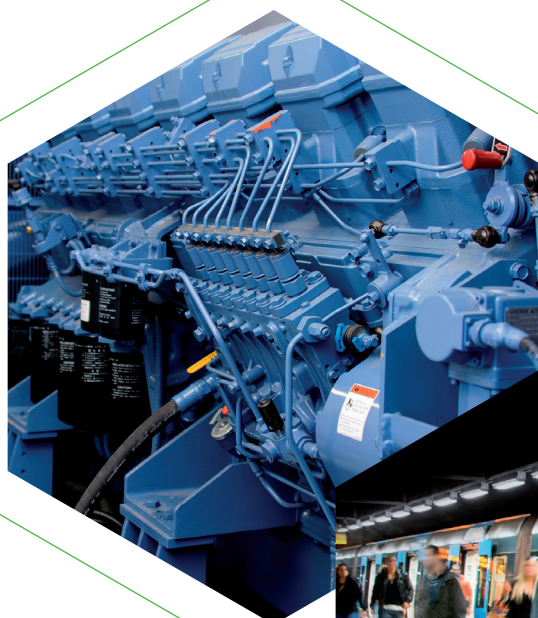
UPS



Transportation



Emergency lighting



Telecommunication



Ship equipment



Security systems



Renewable energy storage



Power start generators

PRODUCT PORTFOLIO

GAZ Ni-Cd batteries

STANDARD RANGE

True foundation of a stable power network



- Enhanced reliability and performance
- Lifetime exceeding 20+ years
- Temperature range -40°C to $+50^{\circ}\text{C}$
- Robust pocket-plate design providing maximum service life



الشركة السعودية للكهرباء
Saudi Electricity Company

أرامكو السعودية
saudi aramco



المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

LOMAin

When the battery is hard to reach



- Exceptional lifetime of 20+ years in constant operation
- Made for hard to reach environments
- Safety of operation with low-pressure flame arresting vent
- Improved chargeability at high temperatures

سابك
sabik

أدنوك
ADNOC

ديوا
dewa

PRODUCT PORTFOLIO

GAZ Ni-Cd batteries

SOL G

Perfect fit for green energy storage



- Improved design for high-temperature environments
- Excellent charging efficiency at low temperatures
- Increased effectivity of internal gas recombination for extended top-up period
- Long cycle life through improved mechanical & chemical components
- Great resistance to mechanical and electrical stress



AEROSPACE & DEFENCE

When safety comes first



- Excellent power output
- Exceptional reliability even in emergency conditions
- Stable even at high temperatures
- Long life expectancy
- Very low levels of self-discharge
- Extra low maintenance

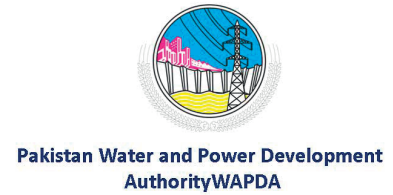
AIRBUS



BAE SYSTEMS

REFERENCES

■ Middle-East



REFERENCES

Middle-East



Global



REFERENCES

| OEM Clients



| EPC Clients





Bochemie is a speciality chemical company that produces a wide range of advanced materials and chemicals.

Its products and quality reflect Group's advanced knowledge and experience developing unique technologies, widely used across multiple industries and critical processes. These range from energy storage, to wood protection, and from steel and special-alloy surface treatment to smart textiles.

Loyal customers rely on Bochemie Group's innovation, dependable customer support and loyalty, combined with the ability to recognize the opportunities developing in the various markets. Bochemie's clients and partners value its innovative and effective reliable solutions which are consistent with a responsible ethical approach to sustainable development and quality of life.

THE BOCHEMIE GROUP AT A GLANCE



Production program of Bochemie is comprised of four main groups:

Materials for accumulators

Production of active materials, electrode plates and perforated tapes for Ni-Cd batteries and accumulators for industrial use.

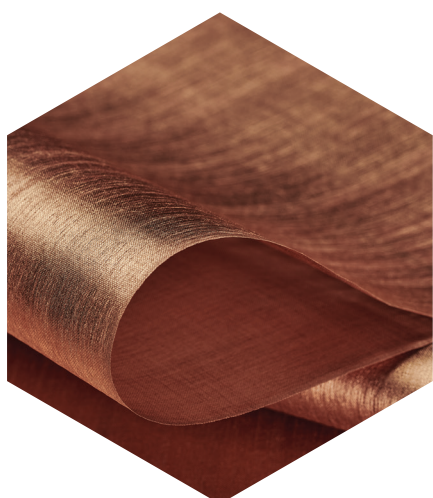
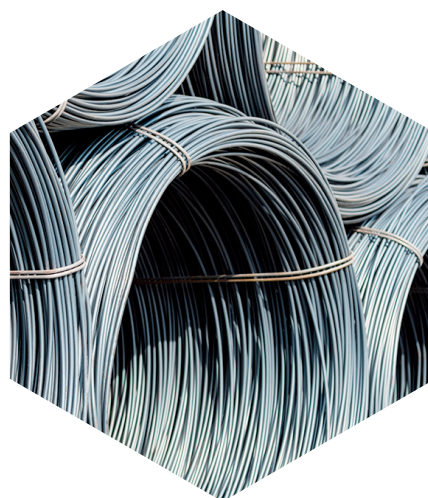


Wood protection – Bochemit®

Long- and short-term protection of construction timber and other wood elements against wood-destroying insect, fungi, mildew and fire.

Metal surface treatments

- Feropur - unique technological process of pickling stainless steels in reducing melt.
- Production of zinc chloride, liquid melt, degreasers and special pickling agents as part of hot-dip galvanizing.
- A unique ecological production technology of nano ZnO with extremely high surface area.



Metallization of textile fabrics and fibres – Meftex®

- Smart textiles mean progress not only in areas such as aerospace and safety.

www.bochemie.cz



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