



EME

DESIGNED FOR PERFORMANCE.
ENGINEERED FOR ENDURANCE.

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FOREWORD

Dear reader,

For over a century, EME has created the most effective batch treatment and processing technology in the world. Our technologies and services have only one goal: to deliver a perfect batch with no loss of production. That's our commitment to the glass industry and the world. In the following pages, you'll find out how our tailored approach makes EME the ideal partner for glassmakers everywhere.

GRANT BAILEY
Managing Director
EME GmbH

MICHAEL SORG
Managing Partner
EME GmbH

EME has a proven track record in designing and commissioning plants at over **250 glassworks** in more than **80 countries**. As part of the SORG Group, we access next-generation technology to gain **unrivalled knowledge** in sustainable conditioning and melting. By strategically expanding our international presence, we are able to offer competitive solutions to the Asian market and beyond.

100+

YEAR HISTORY

250+

BATCH PLANTS

80+

EMPLOYEES

80+

COUNTRIES

170+

SCRAPERS

420+

BATCH
CHARGERS

ABOUT US

A BRIGHTER FUTURE

Shaping a brighter future means more than mastering competition: we continuously advance our technologies and processes to enable the glass industry to meet rising demands for efficiency, sustainability, and responsible use of resources—delivering solutions that truly shape the future.

OUR COMMITMENT

100 YEARS OF INNOVATION

Innovation, it's in our DNA. For more than a century we've led the way through a unique passion for glass by creating long-lasting partnerships. After more than a century of improving batch plants using tailored solutions and the best technology available, we are a customer-centric, sustainable partner dedicated to delivering greater reliability, quality, flexibility and longevity.



OUR PURPOSE

We are dedicated to supporting customers wherever in the world they are. Our multi-talented team of designers, engineers and project managers enhance raw material processing with engineered solutions built for endurance. What sets EME apart is our proven capability to upgrade a plant while it is live and operating, with no loss of production. Offering a complete turnkey project from raw material to perfectly mixed batch delivery to the furnace, or to support you in engineering design, our tailored approach makes EME the future partner of choice, whatever your needs.

OUR PROMISE

Wherever your facility is located, EME will be with you throughout the entire process and beyond. We strive to be a leader in our field and place sustainability and partnership at the heart of every decision. It is our promise to work honestly and transparently with customers, to provide batch treatment and processing technology that outperforms and outlasts any other.

OUR VISION

Our vision is simple: To design and engineer the most effective batch treatment and processing technology that delivers a perfect batch with no loss of production, while supporting sustainable processes and the responsible use of energy and resources.

OUR MARKETS

EME HAS A SUCCESSFUL HISTORY IN DIFFERENT GLASS INDUSTRIES

CONTAINER GLASS

TABLEWARE

SOLAR FLOAT

DISPLAY GLASS

FIBRE GLASS

LIGHTING GLASS

SPECIAL GLASS

SODIUM SILICATE



OUR RESPONSIBILITY

SUSTAINABILITY AND FUTURE-ORIENTATION

Environmental protection has become increasingly important and relevant in recent years due to climate change.

As a company, EME has a special obligation to act sustainably and with a future-orientated approach. To fulfil our responsibilities toward our customers, suppliers, employees and the environment, we have integrated environmental protection into our existing management system alongside safety and quality management.

Our commitment to sustainable glassmaking helps facilities around the world to increase recyclability in every glass batch. We have developed advanced technologies to remove more contaminants during the cullet treatment process, ensuring a higher-quality batch with greater proportion of recycled content.



ENVIRONMENTALLY- FRIENDLY ACTION

COMPLIANCE WITH LEGAL & OTHER REQUIREMENTS

CONTINUOUS IMPROVEMENT & IMPACT PREVENTION

AWARENESS & TRAINING

MONITORING & REPORTING

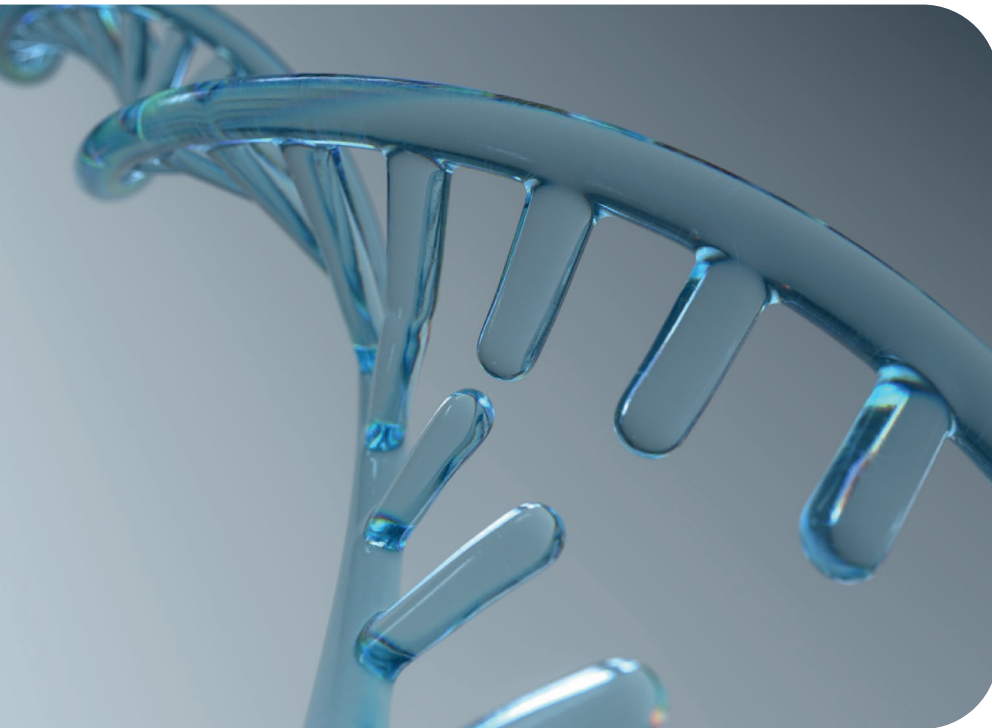
ENVIRONMENTAL OBJECTIVES & PROGRAMMS

CONSIDERATION OF CLIMATE CHANGE RISKS

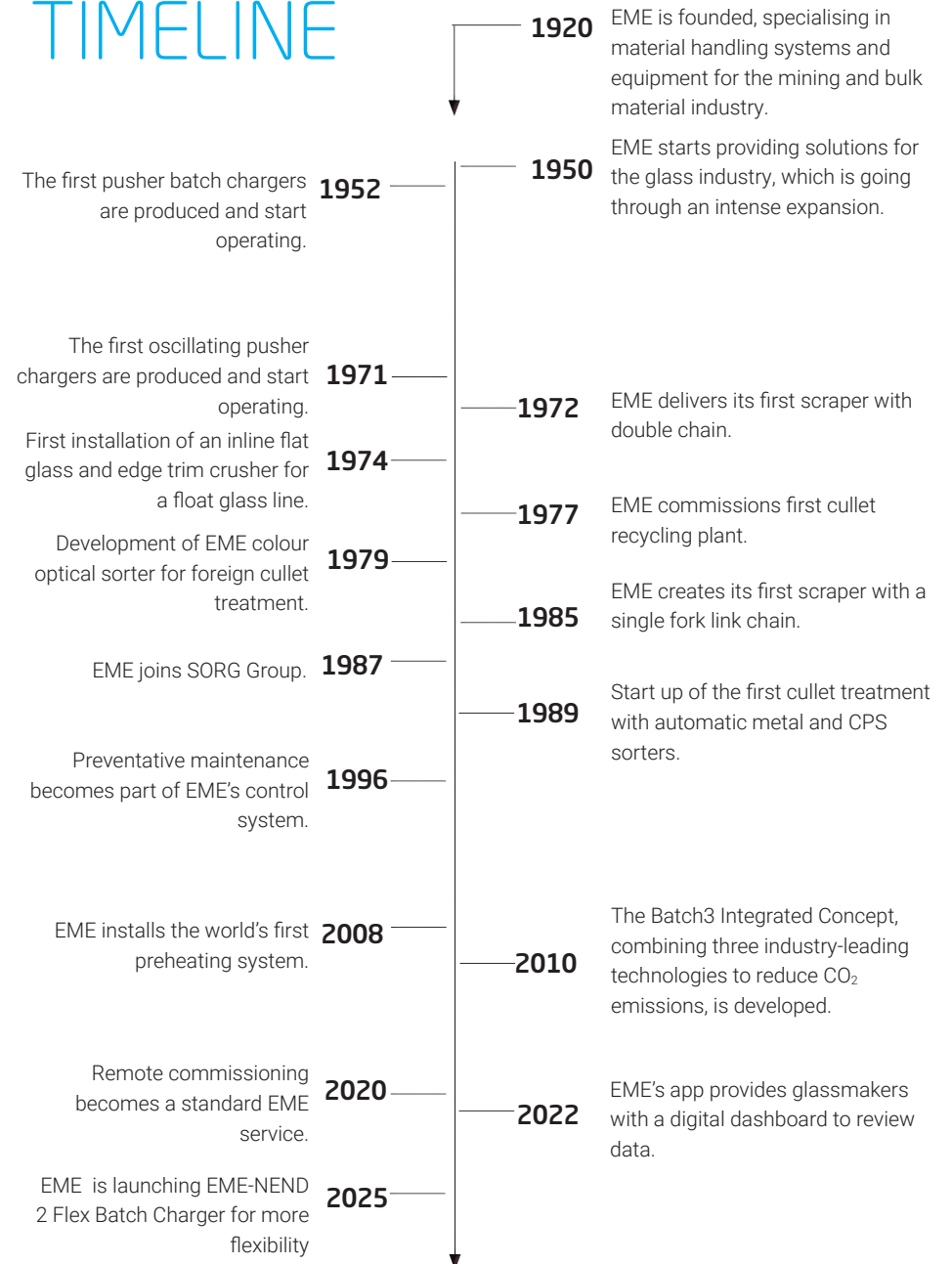
COMMUNICATION & STAKEHOLDER ENGAGEMENT

RESPONSIBILITY & MANAGEMENT SYSTEM

A HISTORY OF INNOVATION



TIMELINE



TECHNOLOGY

EME has the perfect solution for glassmakers looking to use state-of-the-art technologies in their process, from batch plants to batch chargers. Each piece of equipment is designed to have the best quality, durability and reliability.



BATCH PLANTS

EME offers its customers fully customised batch plants. To ensure a final product of consistently high-quality, every stage of the batch process, from raw material selection, delivery and storage to precise dosing and mixing, is engineered with the highest level of accuracy. During the preparation phase, our team takes all relevant factors into account, including glass types, raw material used, logistics, environmental conditions as well as local prices and legal requirements. When acquiring a batch plant from EME, our customers can be assured that they will receive the best solution to fulfil their needs.



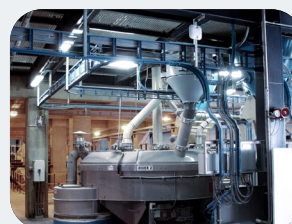
COMPLETE SYSTEM



BATCH MATERIALS & CULLET DELIVERY



BATCH MATERIALS & CULLET STORAGE



DOSING, WEIGHING & MIXING

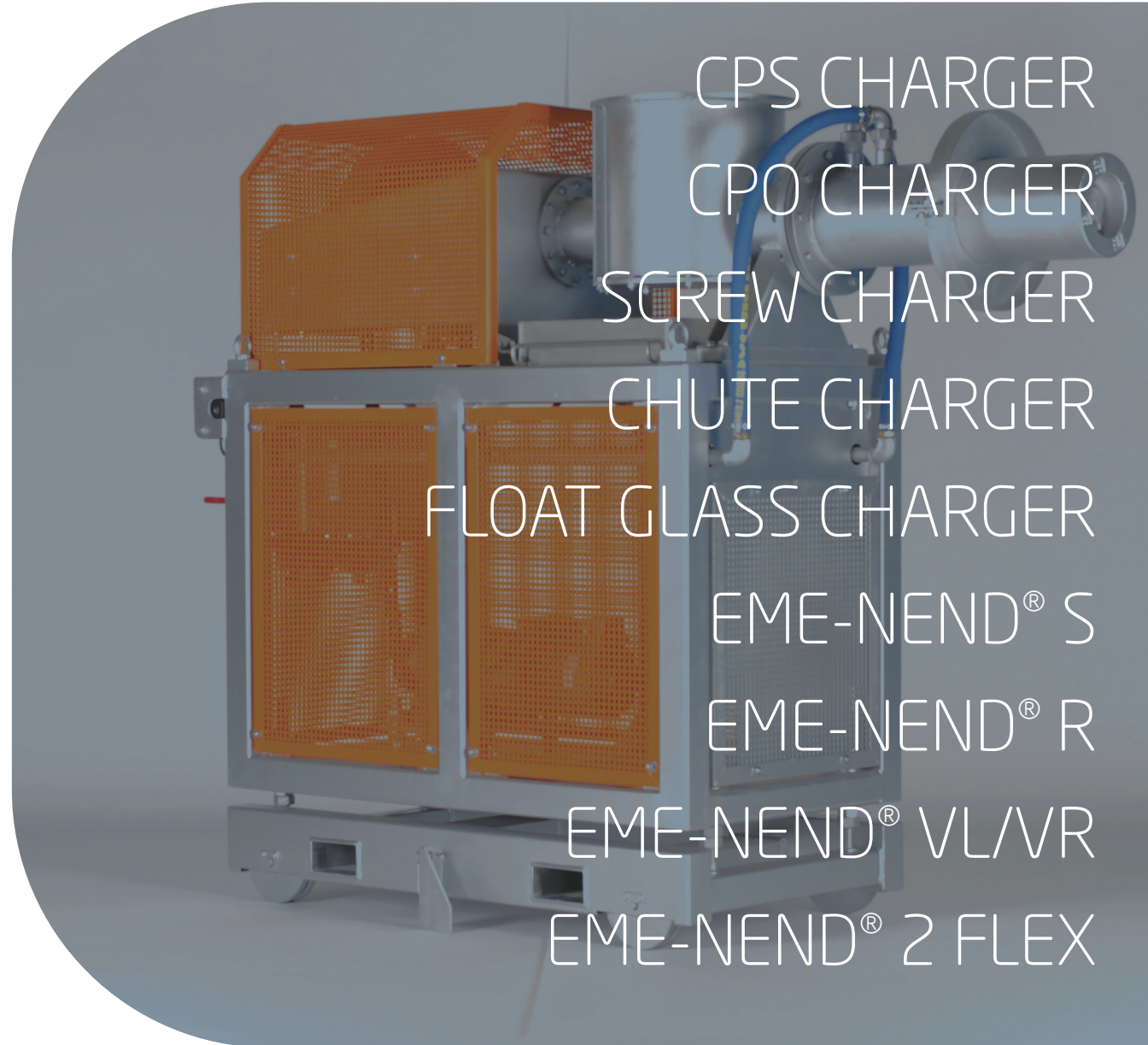


BATCH TRANSPORT

BATCH CHARGING

No matter what type of furnace you have, EME offers the ideal batch charging solution, tailored to the individual needs of each customer.

The equipment is bespoke to assure it operates at its best, considering the glass recipe, cullet content, heating system and doghouse characteristics.



CULLET HANDLING

EME's cullet handling systems are designed to increase safety, reduce waste and enhance productivity. Our solutions allow plants to operate with minimal human intervention and low maintenance, making it an excellent investment choice for any glassmaker.



CRUSHER FOR
CONTAINER GLASS

CRUSHER FOR
FLAT GLASS

SCRAPER CONVEYOR

CULLET TRANSPORT

GLASS RECYCLING

Glass recycling is essential to save natural resources and protect the environment. Using cullet instead of raw material supports sustainable manufacturing.

Cullet preparation, contamination removal and optical sorting are critical phases for a successful glass recycling process. EME offers tailored solutions for each stage, such as crushers, optical sorters and sorting systems for the removal of metal and organic waste.



CULLET PREPARATION
CONTAMINATION
REMOVAL
OPTICAL SORTING

MACHINERY

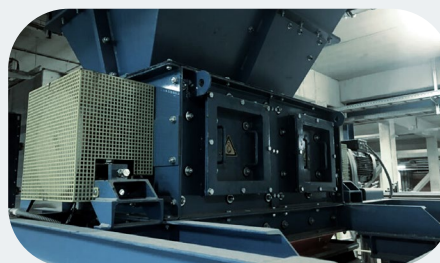
We offer the most advanced machinery for our customers, including batch chargers, crushers and scrapers. Our machinery is available as part of a solution or as a stand-alone option.



SCRAPER
CONVEYOR



FURNACE
DRAINING
SCRAPER



CRUSHER



PLATE
CONVEYOR
FOR SODIUM
SILICATE GLASS

BATCH PREHEATER

Increasing demands for energy efficiency and sustainability make heat recovery systems essential. The modular EME / SORG batch preheater is designed for a wide range of furnace sizes, and offers scalable capacity and throughput. Hot waste gases pass through heat exchanger modules, transferring heat to the batch before charging. Simultaneously activated components break up any remaining material clumps and ensure smooth flow through the preheater unit.

The double-digit energy savings from the batch preheater and Batch3 offer huge potential. Alternatively, plants can increase melting capacity and temporarily raise glass output.



AUTOMATION

Batch plant operators worldwide trust EME's electric control and automation system to monitor their processes, a system characterized by its simple, robust and reliable user interface and architecture.

It also comes with EME's unbeatable customer service. Reliable and comprehensive, our electric control and automation system is fully customisable to fit all glassmakers' needs.



EXTERNAL ACCESS

STATISTICS

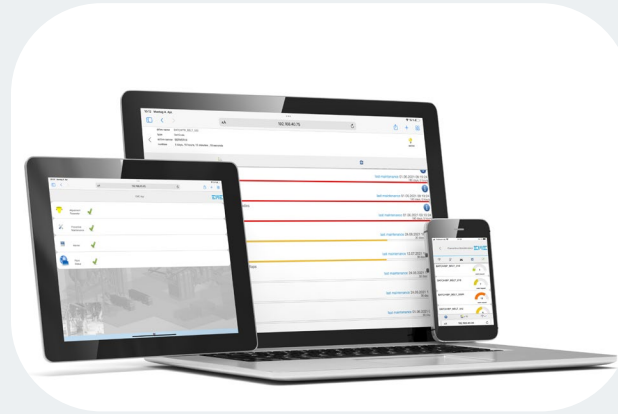
UPGRADE

VISUALISATION

STRUCTURE

INDUSTRY 4.0

Industry 4.0 is based on continuous standardisation, networking and digitalisation of the complete production chain. All components - such as the field level, the process management level and the management level - are interlinked in a comprehensive network. It comprises digital patterns and methods for displaying processes virtually. These processes can be projected and simulated on a PC before they are implemented in the real world.



EME MODULE
FOR PREVENTIVE
MAINTENANCE

ADD-ON EME
BATCH TOOLS

HARDWARE CONCEPT

THE SOFTWARE

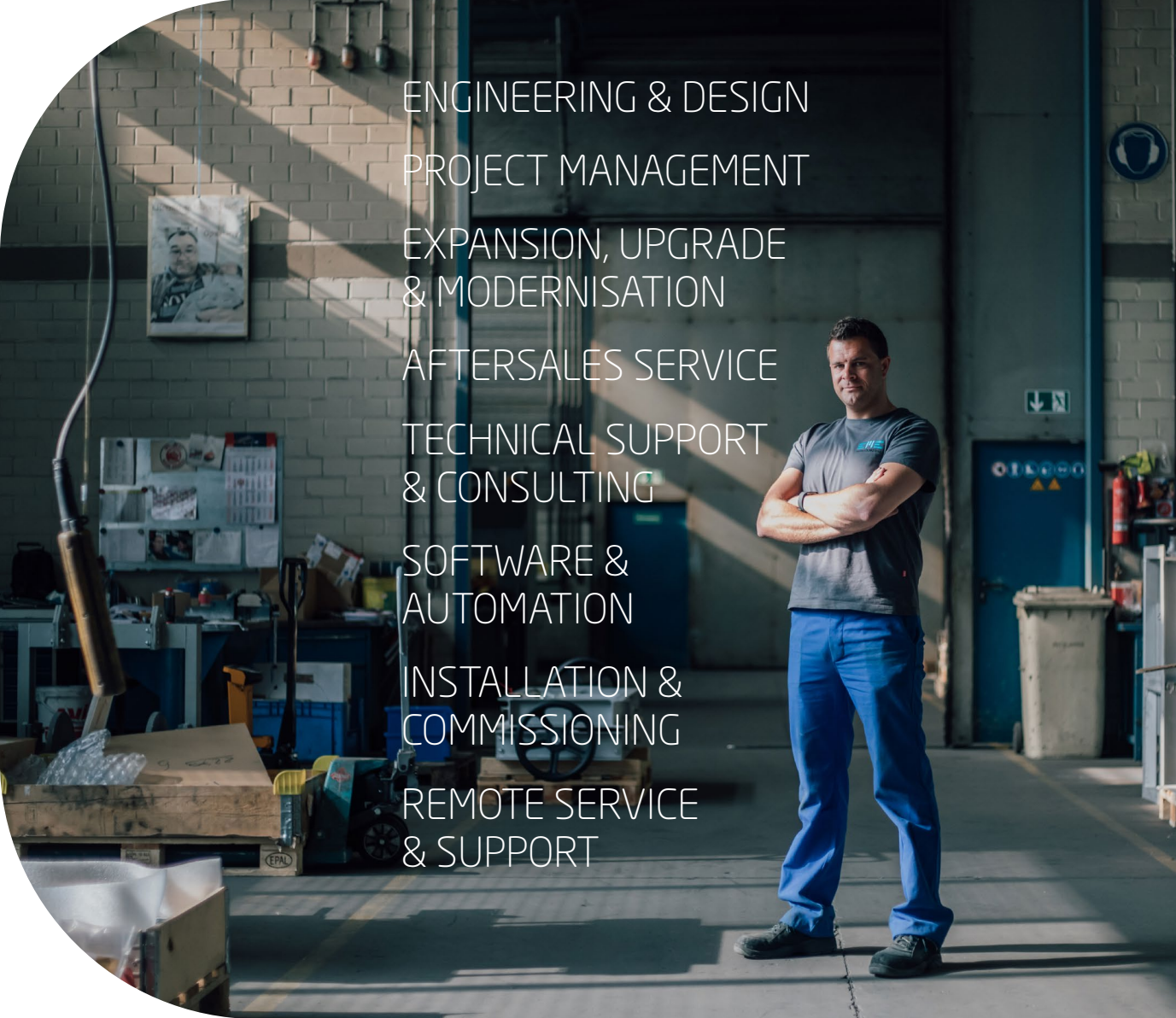
ONSITE & VIRTUAL
COMMISSIONING
AND SIMULATION

STANDARDISATION

GOALS

SERVICES

EME aims to provide customers with solutions that allow them to have a competitive advantage and strengthen the glass industry. We deliver tailored processes and technologies, upgrade batch plants and supply comprehensive and straightforward software to allow our partners to produce the best batch globally. In addition, we support our customers with project management, technical support and remote maintenance services.



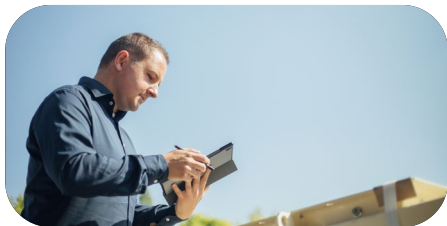
ENGINEERING & DESIGN
PROJECT MANAGEMENT
EXPANSION, UPGRADE
& MODERNISATION
AFTERSALES SERVICE
TECHNICAL SUPPORT
& CONSULTING
SOFTWARE &
AUTOMATION
INSTALLATION &
COMMISSIONING
REMOTE SERVICE
& SUPPORT

LIFECYCLE SERVICES

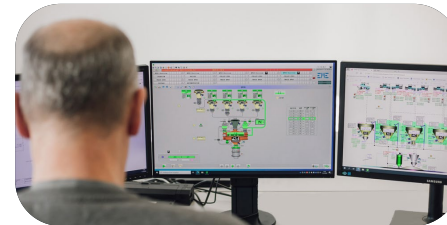
Batch plants can remain in operation for many decades. To keep them efficient and problem-free, EME offers its customers lifetime support. We provide technical assistance, parts, training, audits, condition monitoring and performance optimisation.



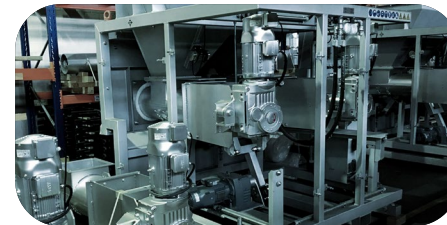
TECHNICAL SUPPORT
& TROUBLE-
SHOOTING



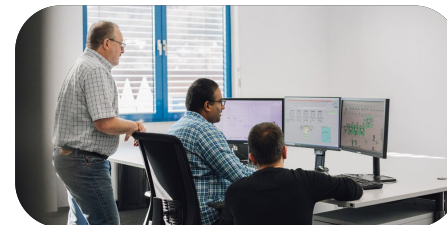
AUDITS



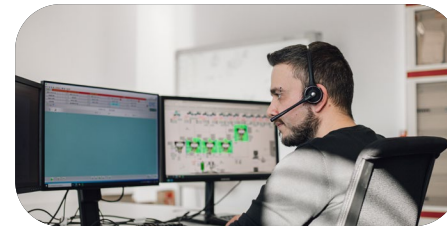
CONDITION
MONITORING



PARTS



PERFORMANCE
OPTIMISATION



REMOTE SERVICE
& SUPPORT

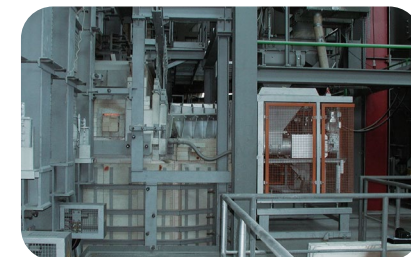


TRAINING

INNOVATION

EME's history spreads over a century. During this period, we have thrived by creating pioneering technologies and innovations in the design and engineering of batch preparation plants, cullet handling equipment and batch charging technology.

The glassmaking industry is an ever-changing sector and presents new challenges every day. To tackle those challenges and to retain our world-leading position, we keep improving our technologies and processes, as well as creating ground-breaking solutions that change the market.



BATCH3: INTEGRATED CONCEPT

The batch preheater is an integral part of the Batch3 concept, with the EME-NEND® (No Emission No Dust) batch charger and the special IRD® doghouse (Increased Radiation Doghouse). Made possible by the unique combination of our batch and melting know-how, the Batch3 concept offers reduced energy consumption and dusting, less induced air and an optimal batch distribution in the furnace, resulting in better glass quality. The IRD® design is much wider and has a much higher superstructure than a conventional doghouse. Heat loss is lower, while the larger furnace opening allows more radiation into the doghouse. This ensures that the surface material is glazed before entering the melter, with considerably less dust and carryover.

THE POWER OF THREE

SORG Group combines leading technologies in furnace and batch house design and engineering. This unique advantage allows us to provide optimal furnace design, glass melting, glass conditioning and installation as an integral part of our services.



We are a customer-centric partner dedicated to designing, constructing and improving batch and cullet plants using the best technology available.

eme.de



We are the world leader in glass melting and conditioning technology, enhancing the performance of furnaces to maximise asset lifespan.

sorg.de



We are the world-leading service provider for furnace erections, steel supply and glass-to-glass rebuilds, as well as maintenance and hot repairs.

sks.net



CONTACT

If you have questions or are looking for more information about our products, look no further.

Get in touch with our team today.

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