



DESIGNED FOR PERFORMANCE
ENGINEERED FOR ENDURANCE

TABLE OF CONTENTS

FOREWORD	3
WHO WE ARE	4
HISTORY	8
TECHNOLOGY	
INTRODUCTION	10
BATCH PLANTS	12
BATCH CHARGING	14
CULLET HANDLING	16
GLASS RECYCLING	18
MACHINERY	20
AUTOMATION	22
INDUSTRY 4.0	24
SERVICES	
OUR SERVICES	26
LIFECYCLE SERVICES	28
INNOVATION	30
SORG GROUP	32
CONTACT	34

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.

JENS ROSENTHAL

Managing Director
EME GmbH

EME has a proven track record in designing and commissioning plants at over **250 glassworks** in more than **80 countries**. Part of the SORG Group, we access next-generation technology to gain **unrivalled knowledge** in sustainable conditioning and melting. After acquiring shares in China-based Shanghai Precision, we have expanded our **global footprint** to offer competitive solutions to the Asian market and beyond.

100+
YEAR HISTORY

250+
BATCH PLANTS

75+
EMPLOYEES

80+
COUNTRIES

170+
SCRAPERS

420+
BATCH CHARGERS

ABOUT US

A BRIGHTER FUTURE

To help the glass industry overcome the challenges of a highly competitive market, we keep improving our technologies and processes and creating ground-breaking solutions that mould the future.

OUR COMMITMENT

100 YEARS OF INNOVATION

Innovation, it's in our DNA. For more than a century we've led the way though 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. and operating, with no loss of production.

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.

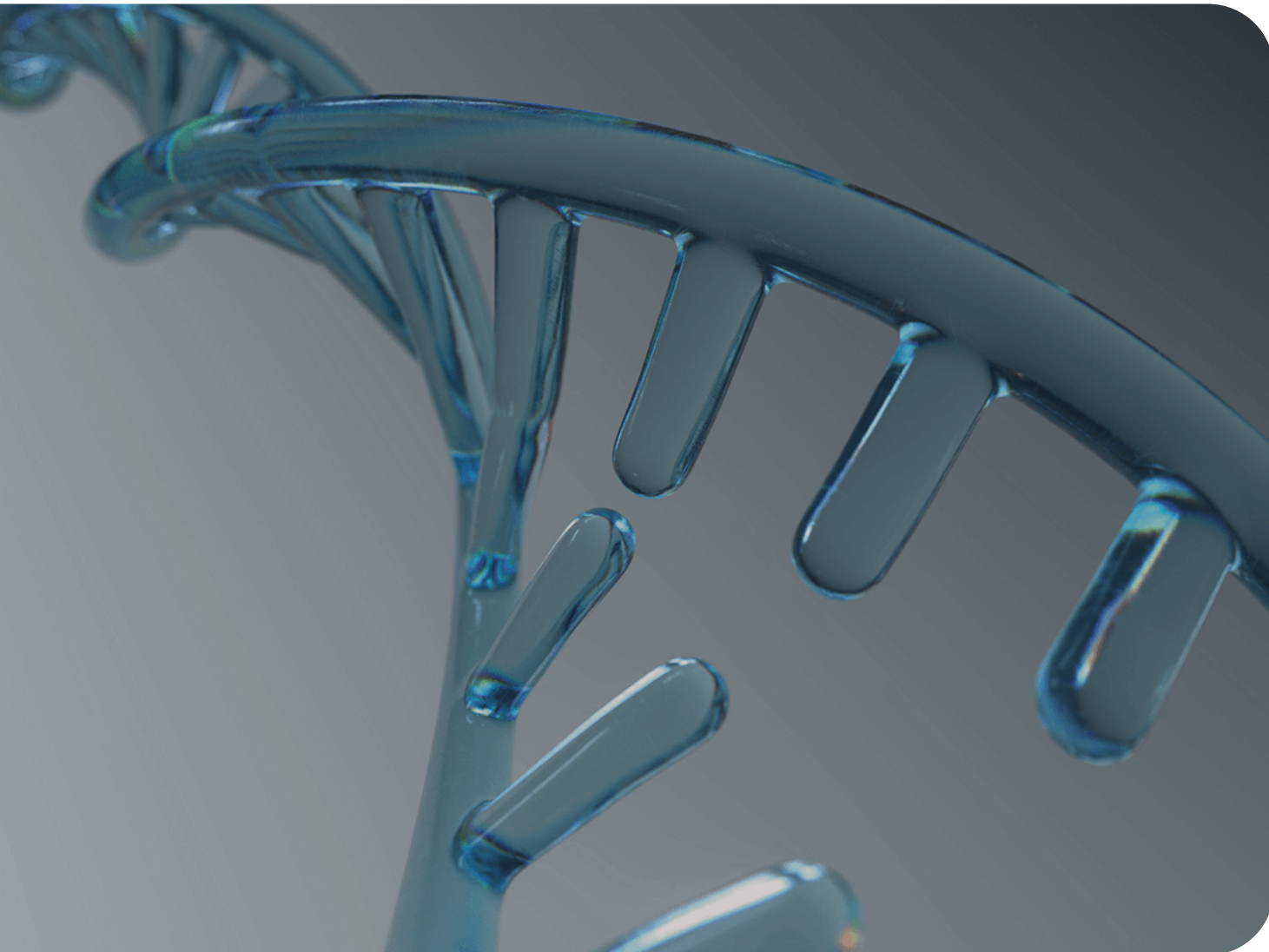
OUR MARKETS

EME HAS A SUCCESSFUL HISTORY IN DIFFERENT GLASS INDUSTRIES

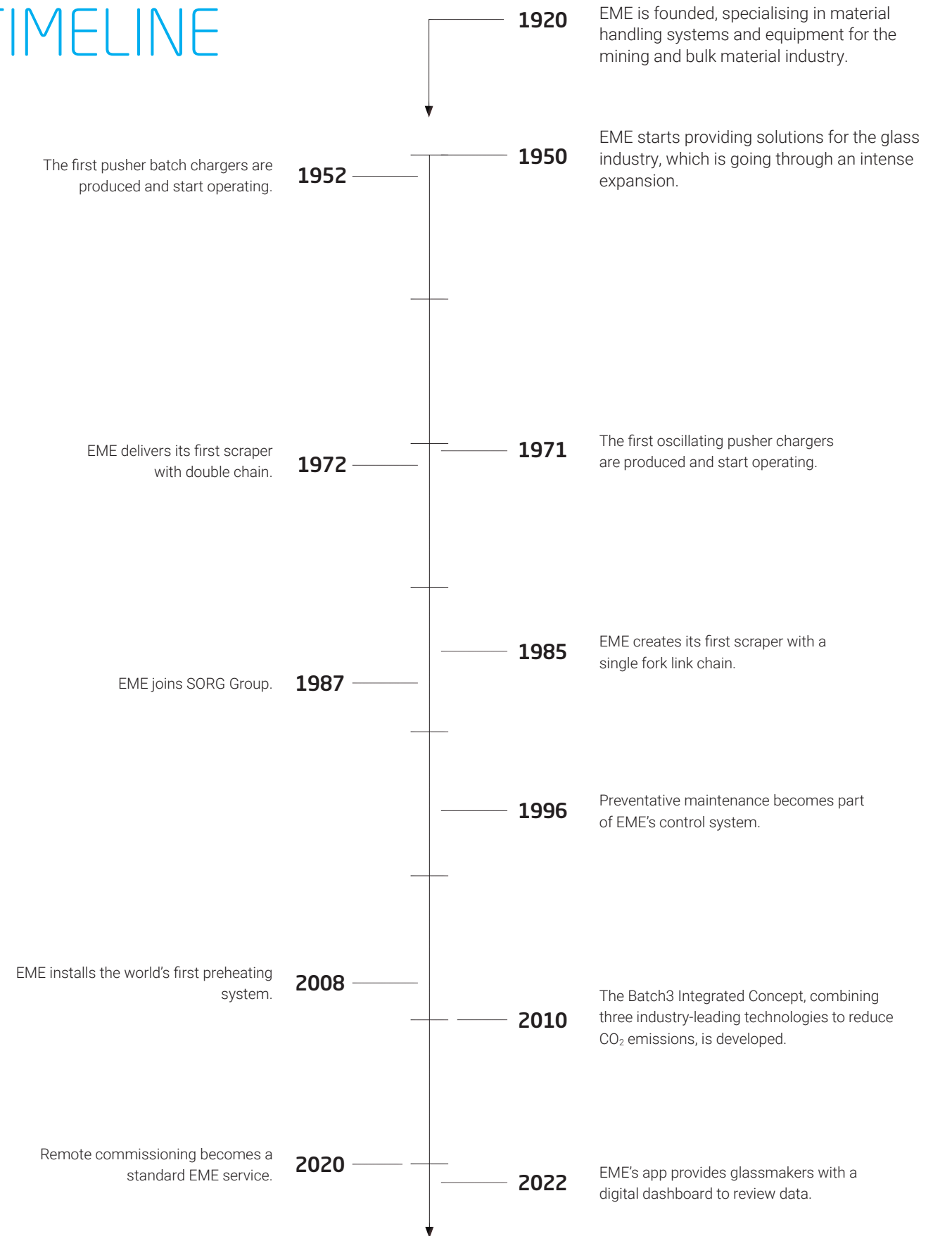
CONTAINER GLASS
TABLEWARE
SOLAR FLOAT
DISPLAY GLASS
FIBRE GLASS
LIGHTING GLASS
SPECIAL GLASS
SODIUM SILICATE



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
BATCH CHARGING
CULLET HANDLING
GLASS RECYCLING
MACHINERY
AUTOMATION
INDUSTRY 4.0

BATCH PLANTS

EME offers its customers fully customised batch plants. During the preparation phase, our team weighs factors such as the type of glass involved, the raw material used, logistics, environment and local prices and regulations. When acquiring a batch plant from EME, our customers can rest assured that they will receive the best solution to fulfil their needs.



COMPLETE SYSTEM



BATCH MATERIALS & CULLET DELIVERY



BATCH MATERIALS & CULLET STORAGE



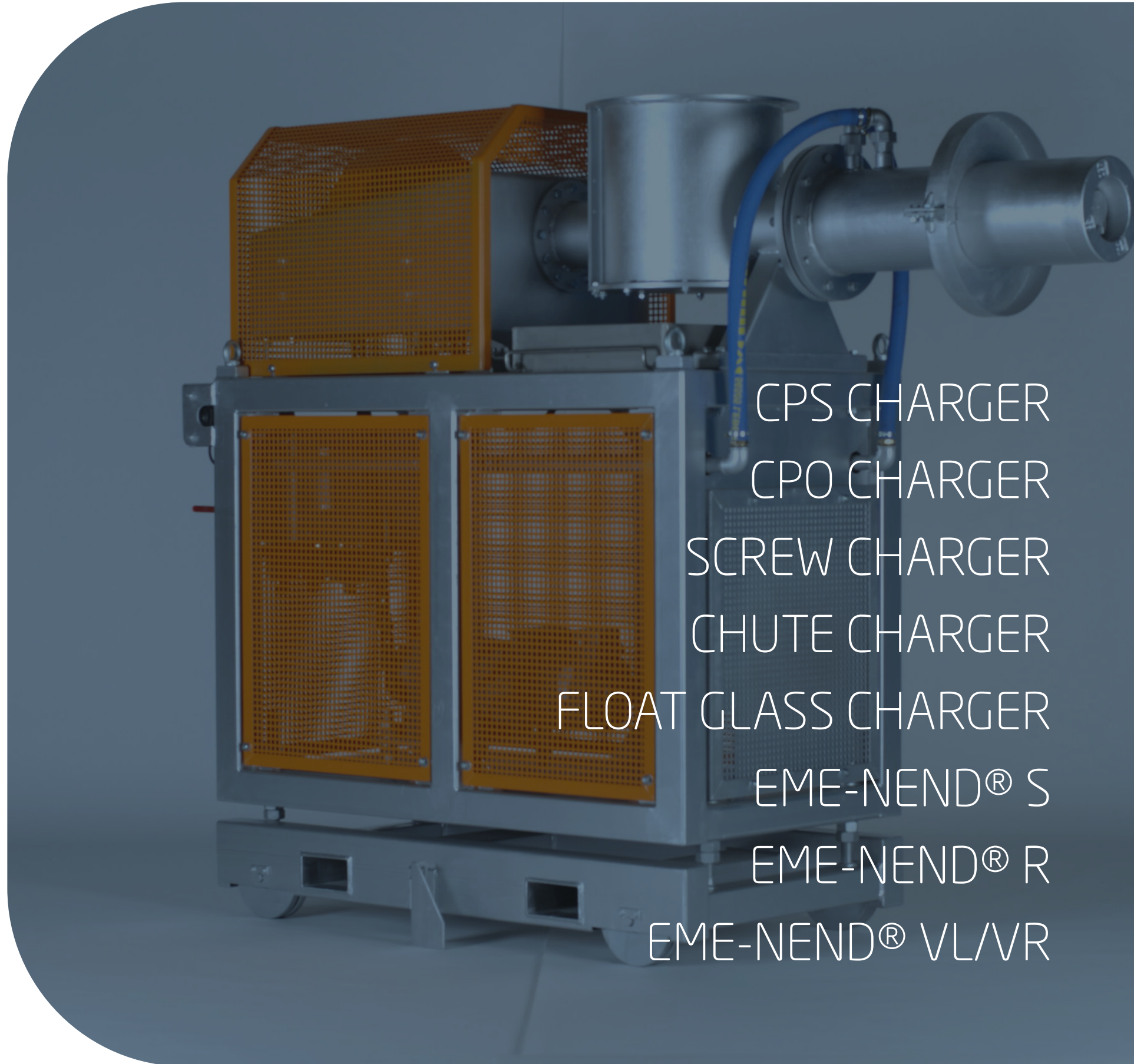
DOSING, WEIGHING & MIXING



BATCH TRANSPORT

BATCH CHARGING

No matter what type of furnace you have, EME has the ideal batch charging solution for your company. The equipment is bespoke to assure it operates at its best, considering the glass recipe, cullet content, heating system and dog house characteristics.



CPS CHARGER
CPO CHARGER
SCREW CHARGER
CHUTE CHARGER
FLOAT GLASS CHARGER
EME-NEND® S
EME-NEND® R
EME-NEND® VL/VR

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

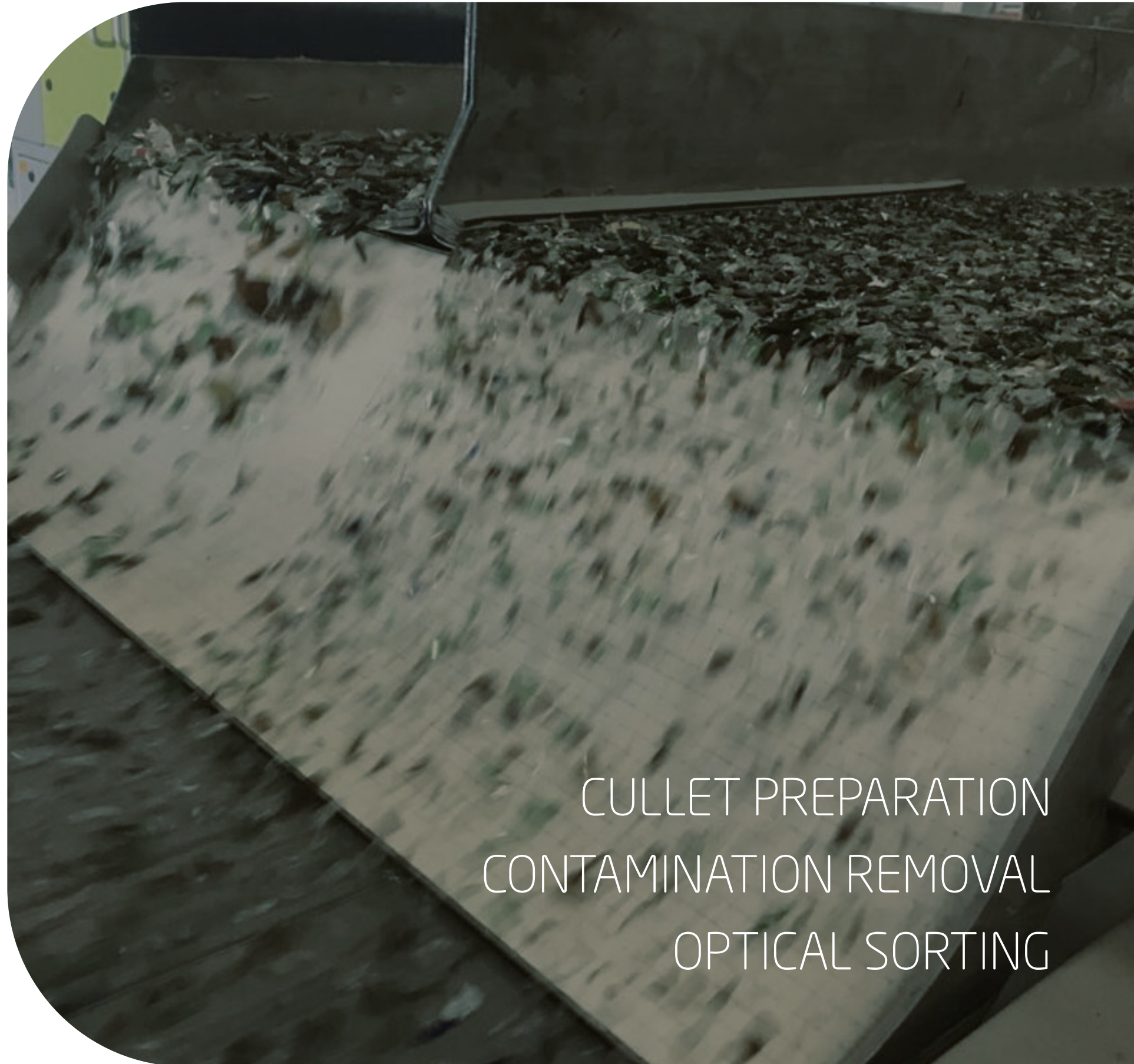
CRUSHER FOR
FLAT GLASS

SCRAPER
CONVEYOR

CULLET
TRANSPORT

GLASS RECYCLING

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 and organic, metal and optical sorters.



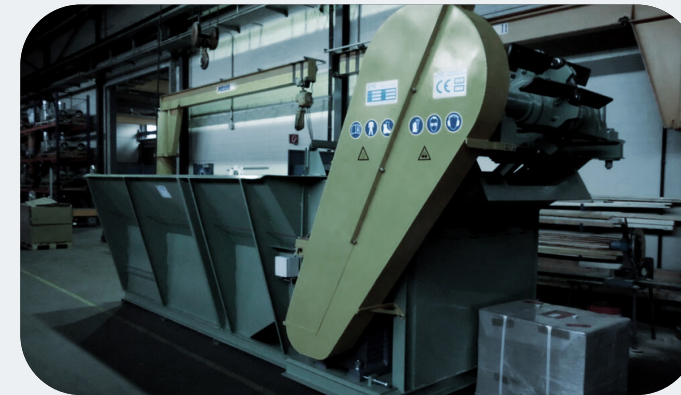
CULLET PREPARATION
CONTAMINATION REMOVAL
OPTICAL SORTING

MACHINERY

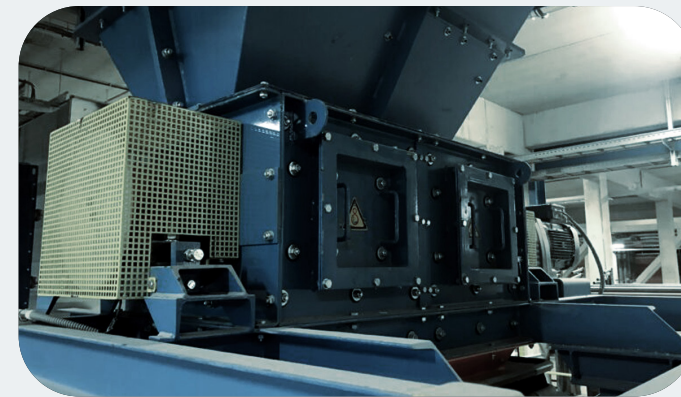
We offer the most advanced machinery for our customers, including batch chargers, crushers and scrapers. Our machinery is available as part of a solution or as a stand-alone option.



SCRAPER CONVEYOR



FURNACE DRAINING
SCRAPER



CRUSHER

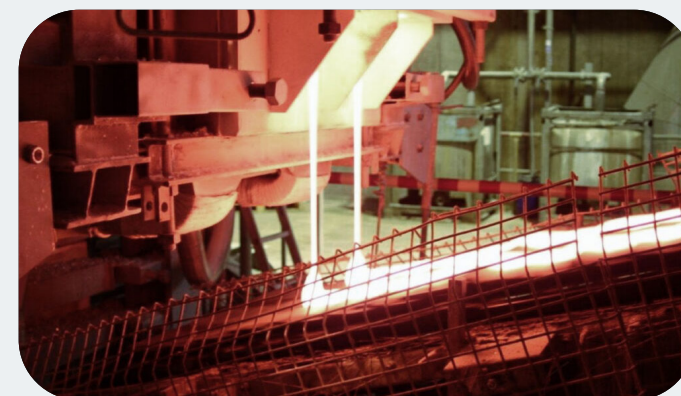


PLATE CONVEYOR
FOR SODIUM GLASS

AUTOMATION

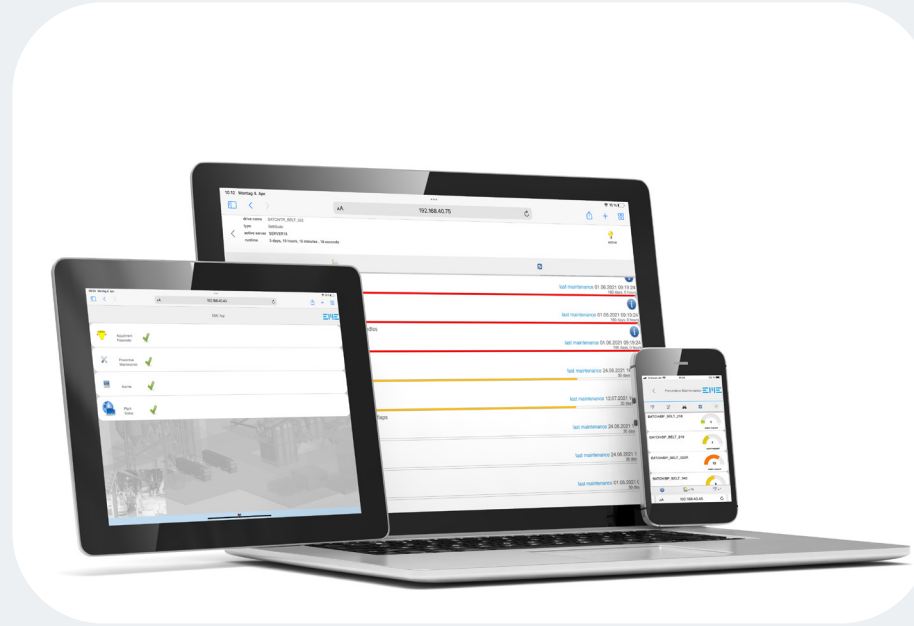
Batch plants worldwide trust EME's electric control and automation systems to monitor their process, using its simple, robust and reliable interface and structure. It also comes with EME's unbeatable customer service. Simple yet comprehensive, our electric control and automation system is fully customisable to fit all glassmakers' needs.



EXTERNAL
ACCESS
STATISTIC
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

ADDON EME
BATCH TOOLS

HARDWARE CONCEPT

THE SOFTWARE


COMMISSIONING,
VIRTUAL
COMMISSIONING &
SIMULATION

STANDARDISATION

GOALS

SERVICES

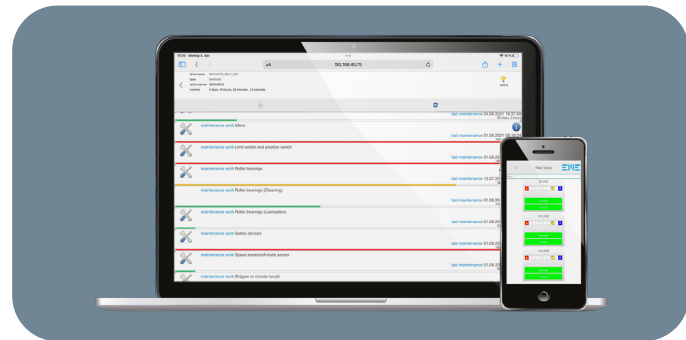
EME aims to provide customers with solutions that allow them to have a competitive advantage and strengthen the glass industry. We deliver tailored processes and technologies, upgrade batch plants and supply comprehensive and straightforward software to allow our partners to produce the best batch globally.



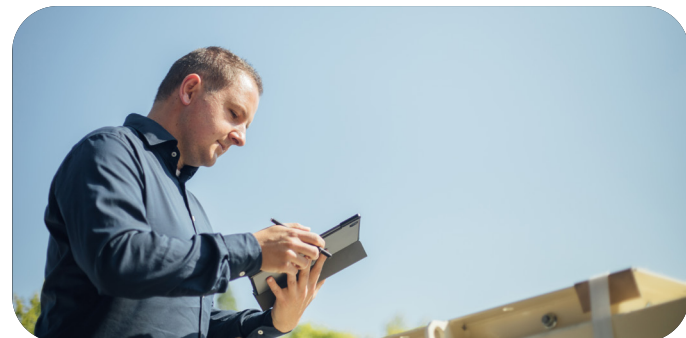
ENGINEERING & DESIGN
PROJECT MANAGEMENT
EXPANSION, UPGRADE
& MODERNISATION
AFTERSALES SERVICE
TECHNICAL SUPPORT
& CONSULTING
SOFTWARE &
AUTOMATION
INSTALLATION &
COMMISSIONING
REMOTE SERVICE
& SUPPORT

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.



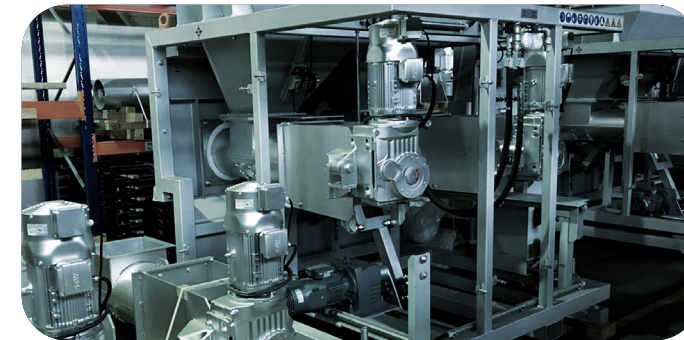
TECHNICAL SUPPORT & TROUBLESHOOTING



AUDITS



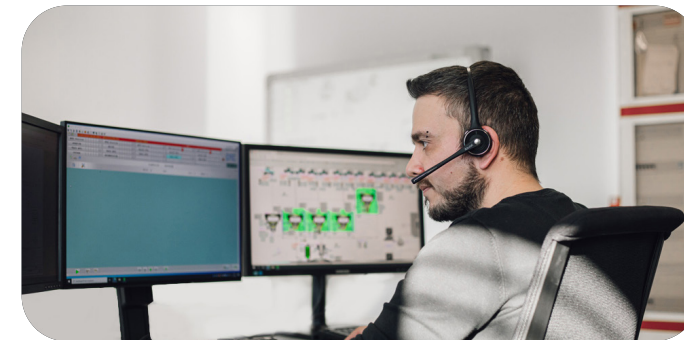
CONDITION MONITORING



PARTS



PERFORMANCE OPTIMISATION



REMOTE SERVICE & SUPPORT

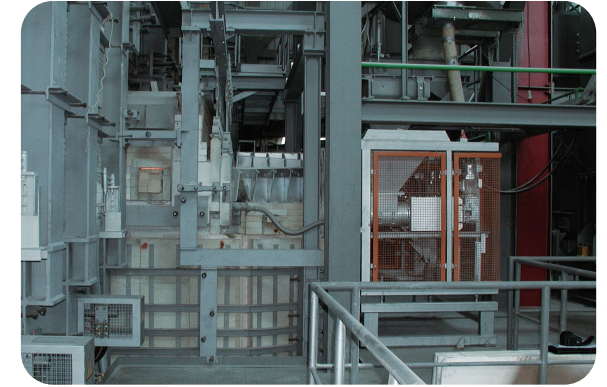


TRAINING

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 position as world-leader, we keep improving our technologies and processes, and 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.

EME

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

eme.de

SORG

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

sorg.de

SKS

We are a worldwide 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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