PHILOSOPHY

OUR MISSION

We leverage the universal benefits of glass beads for your special industry applications in energy-efficient ways.

OUR VISION

Industrial glass beads by SWARCO Indusferica – the world's preferred choice in all niches

OUR VALUES

Efficiency
Diversity
Intelligence

OUR MOTTO

Universal Efficiency

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BETWEEN DOWNTIME AND STABILITY

When supply chains become a weak point

A container ship in the Suez Canal – one of the most important routes in global trade.
Photo credit: Adobe Stock

When a container ship ran aground across the Suez Canal, it became clear how quickly global supply chains can fall out of balance. Within just a few days, a backlog built up that slowed down world trade and caused costs running into billions. For many, it was a headline. For industry, however, it was a scenario with real consequences.

Materials used in ongoing operations can rarely be replaced at will. The same applies to glass blasting beads. They are used continuously, consumed on an ongoing basis, and must be reliably available. If a delivery fails to arrive, a process does not simply continue at a slower pace. In the worst case, it comes to a standstill.

The effects often become visible more quickly than expected. Equipment stops, orders are delayed, and delivery dates come under pressure. At the same time, costs rise because workflows are interrupted or short-term action becomes necessary. What begins as a logistical event quickly turns into a question of production reliability.

This is exactly where the origin of the material becomes important. SWARCOBLAST glass blasting beads are produced in Europe and supplied from here. This enables short, plannable routes and reduces dependence on global supply chains. Availability is therefore not left to chance, but actively managed.

Blasting processes depend on continuity. They remain stable when material is constantly available. This applies equally to automated systems and manual blasting workstations, where experience and intuition play an important role. In the end, success is determined not only by the equipment itself, but also by whether the right material is available at the right time.

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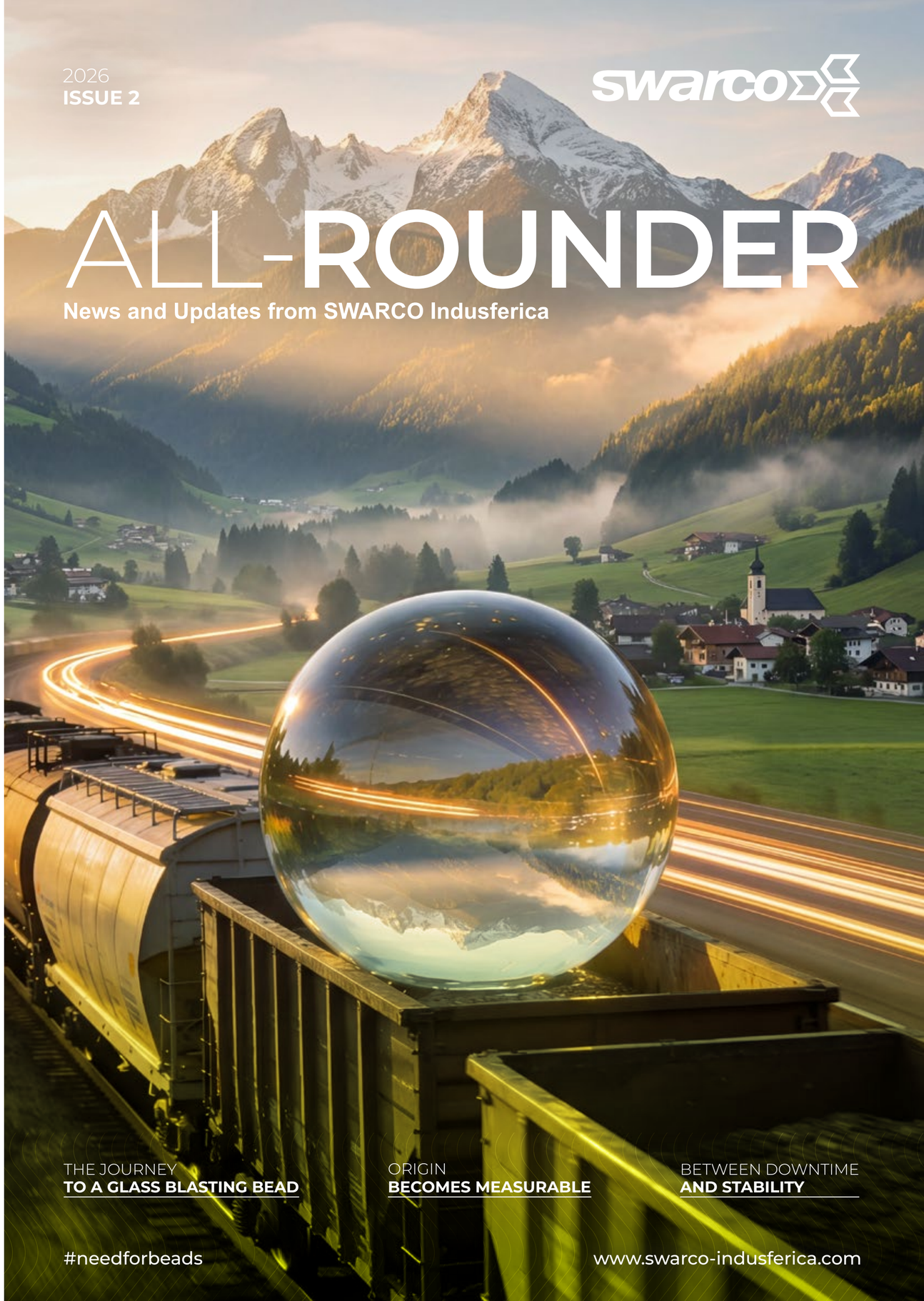
ALL-ROUNDER

News and Updates from SWARCO Indusferica



THE JOURNEY
TO A GLASS BLASTING BEAD

ORIGIN
BECOMES MEASURABLE

BETWEEN DOWNTIME
AND STABILITY

#needforbeads

www.swarco-indusferica.com

Dear readers,

What happens when a material suddenly becomes unavailable, data cannot be accessed, or processes fall out of balance? In this issue, we take a closer look at exactly these questions and show the role glass blasting beads play behind the scenes.

It is about availability, transparent supply chains, and the journey of a material all the way to its application. These are topics that often remain invisible, yet they are crucial to keeping processes running.

Perhaps you will discover one or two aspects from a new perspective.

Best regards

Krisztian Seres
Key Account Manager
SWARCO Indusferica

*value only applies to SWARCOFORCE glass filler beads & SWARCOBLAST glass blasting beads

SWARCOBLAST AT A GLANCE

SCAN THE QR CODE TO FIND OUT MORE

Materials are moving increasingly into focus: origin, traceability and sustainability are becoming decisive factors.
Photo credit: Nano Banana Pro

ORIGIN BECOMES MEASURABLE

Materials in reporting

Sustainability has quietly evolved from a nice-to-have into an integral part of day-to-day business. What once appeared only on the margins of reports is now being explicitly demanded. Materials are coming increasingly into focus because they account for a significant share of emissions along the supply chain.

Scope 3 values in particular show just how complex this task can be. Suddenly, it is no longer only about what a material costs and how it performs, but also about where it comes from, what impact it has, and whether those impacts can be clearly documented.
This is also changing the role of procurement. Decisions need to be justified, data has to be provided, and information must be structured in a way that is easy to report.

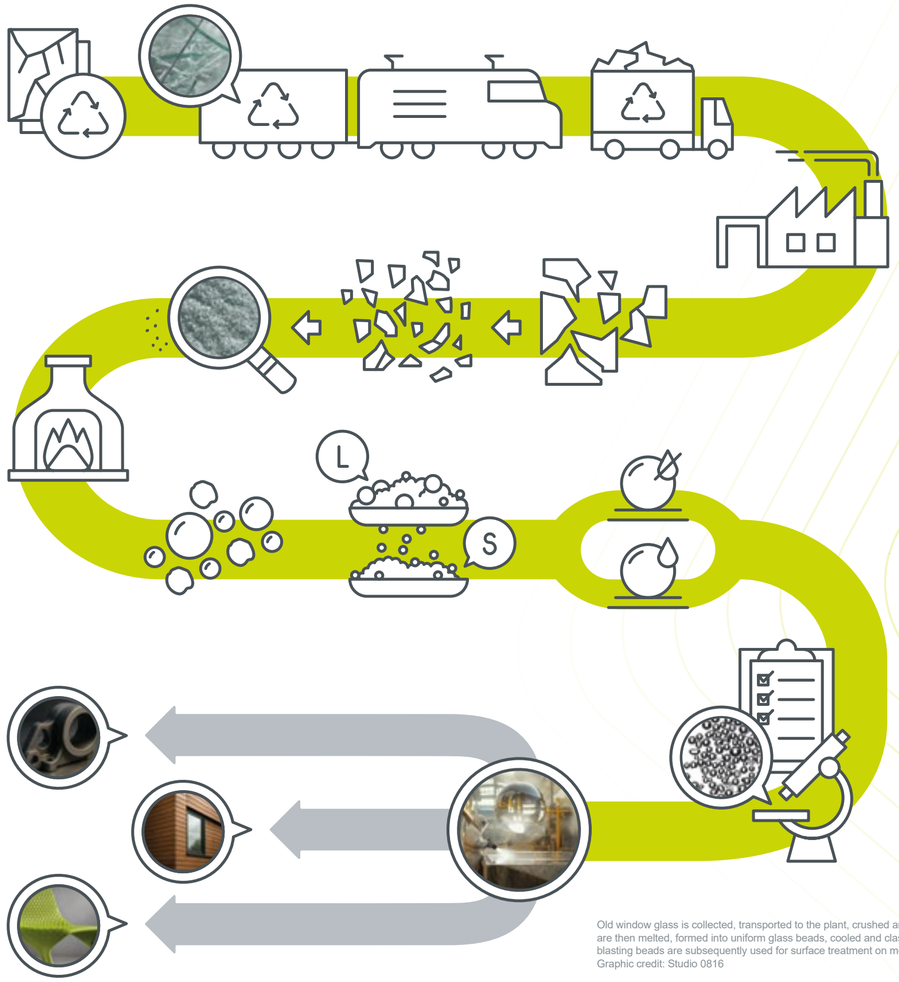
This is where the advantage of short and transparent supply chains becomes clear. They are easier to document, easier to trace, and generally cause lower emissions. This reduces the effort required to obtain the necessary information and creates greater certainty in dealing with growing requirements.

This is precisely where SWARCOBLAST glass blasting beads come in. The relevant environmental data for production and delivery is available and can be integrated directly into existing reporting structures. For many companies, this becomes a practical advantage in their day-to-day business, because requirements can not only be met, but implemented efficiently.

The choice of material therefore influences more than just the blasting process. It extends into reporting, audits, and documentation, and helps determine how smoothly these topics can be managed within a company.

THE JOURNEY TO A GLASS BLASTING BEAD

A look behind the production process



Old window glass is collected, transported to the plant, crushed and sorted. The glass grains are then melted, formed into uniform glass beads, cooled and classified. SWARCOBLAST glass blasting beads are subsequently used for surface treatment on metal, wood and in 3D printing.
Graphic credit: Studio 0816

The origin of glass blasting beads is often closer than expected. Before they become part of an industrial process, their journey begins as recycled flat glass that has already completed a first life cycle. This material is carefully selected and transferred into production, where it is gradually transformed into a new form.

Once in production, the glass is first collected, sorted, and processed so that it can serve as the basis for further manufacturing. Only then does the actual transformation process begin, during which the solid raw material is turned into uniform glass beads.

At this stage, the beads are not yet tailored to their later application. In the next step, they are separated into different fractions, each suited to specific applications. Size and uniformity play a decisive role in how the material performs later in the blasting process.

Before the beads leave the plant, they undergo quality inspection. Only once all criteria have been met they are packed and prepared for shipment. From there, they are delivered to customers, where they are used in a wide range of blasting processes.

What begins as broken glass is transformed step by step into a precise blasting medium. It is a journey that takes place in the background, yet it is essential to ensuring that processes later function reliably.

#needforbeads