TROAX™

Safety Solutions for Metal, Mining and Heavy Industry



Maximum output in the harshest conditions.

Heavy industry operates under demanding conditions, where equipment, processes and safety systems face high loads, heat and continuous operation. We know the realities of these environments and what it takes to keep production safe and reliable when every minute of unplanned downtime can cost a large global operation thousands in revenue.

The strongest protection comes from safety systems designed to work together. Across machine guarding, barriers and industrial traffic management, our solutions help protect people and equipment from steel and forging to mining and process industries, while keeping operations safe, reliable and productive.



Built for furnace, forge and pit, and every area between.

Steel and rolling mills
Holding the line where forces are highest and risks are greatest.

Aluminium smelters and casthouses
Securing boundaries where sightlines are short and stakes are high.

Mining, surface and underground
Belt Conveyor guard, HDH barriers and traffic management for environments exposed to dust, grit and damp.

Forge and press shops
High-impact protection with quick-release access for fast, tool-operated maintenance

Heavy fabrication and structural steel
Machine zones defined, infrastructure protected and critical movements controlled.

Intralogistics and material handling
Every shared point between people and vehicle fleets under coordinated control.



Safety that improves performance. That’s Troax.

Providing everyday safety that helps each employee get home safely after each shift is a privilege. But for us, it does not stop there. Industrial safety does more than protect people, property and processes. It delivers higher uptime, greater adaptability and lower long-term costs.

The widest offering, one partner

With 70 years of setting the standard in industrial safety, Troax is trusted by leading companies worldwide. We combine the widest offering across every segment with high-quality modular systems, tailored or standard, giving you one partner for all your operations. Our solutions are designed to improve performance today, adapt tomorrow and stand the test of time. In short: smooth, smart and cost-effective.

Global reach, local service

With manufacturing on three continents and sales organisations in more than 40 countries, we combine global capacity with local service. The result is short lead times, reliable deliveries and expert help close to where it is needed.

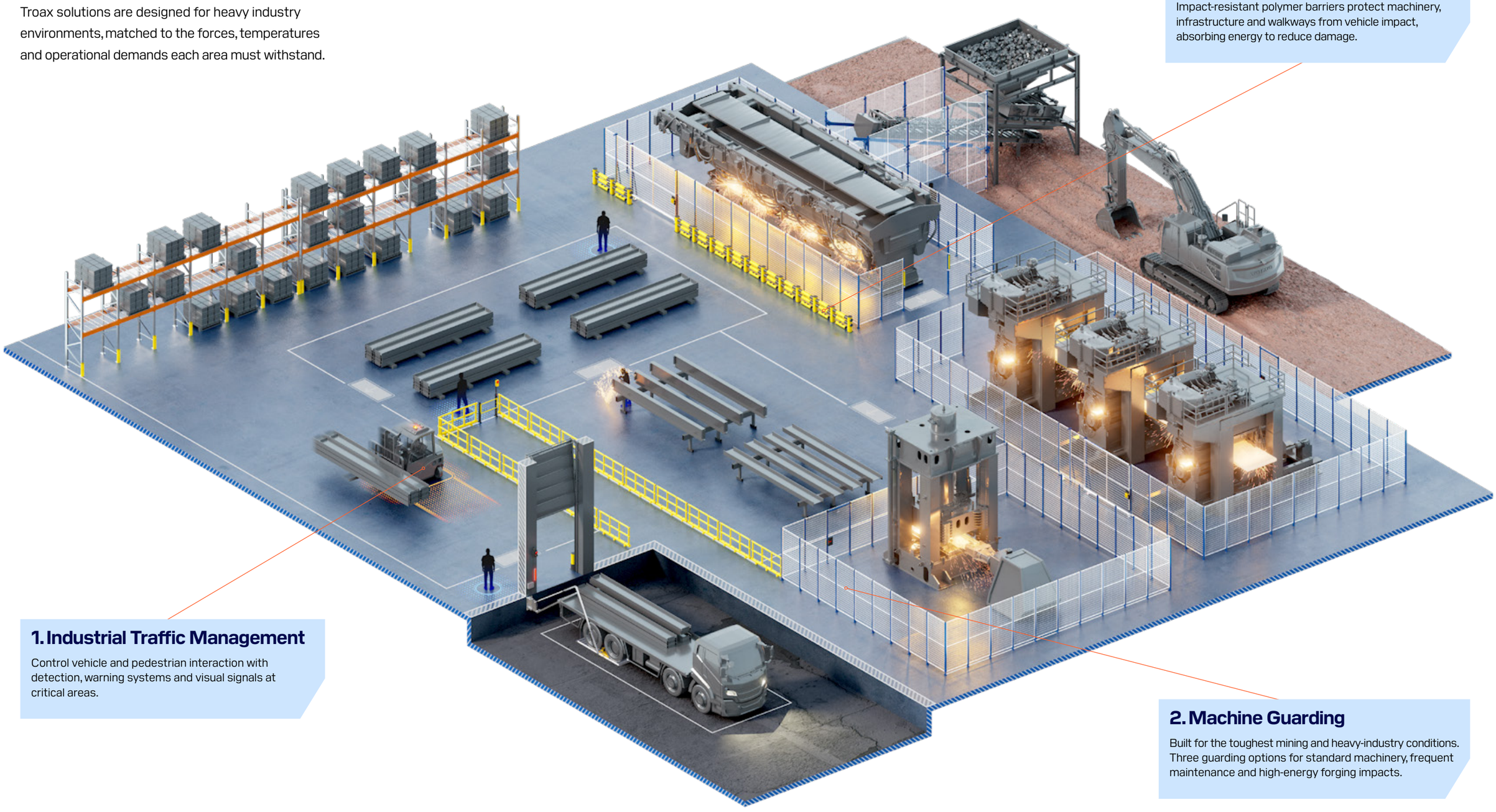
Tools and support at every stage

We support the full process from planning and specification to installation and beyond. After handover, we remain available with training, spare parts and maintenance. Digital tools simplify planning, configuration, ordering, assembly and documentation.

Beyond Safety. That’s Troax.

Designed around the forces, environments and standards.

From the rolling mill to the mine conveyor, every zone demands protection that performs under pressure. Troax solutions are designed for heavy industry environments, matched to the forces, temperatures and operational demands each area must withstand.



1. Industrial Traffic Management

Control vehicle and pedestrian interaction with detection, warning systems and visual signals at critical areas.

2. Machine Guarding

Built for the toughest mining and heavy-industry conditions. Three guarding options for standard machinery, frequent maintenance and high-energy forging impacts.

3. Barriers

Impact-resistant polymer barriers protect machinery, infrastructure and walkways from vehicle impact, absorbing energy to reduce damage.

Forged to hold the line. Trusted by leaders.





1. Industrial Traffic Management

- Collision avoidance system warns drivers when workers enter risk zones, even in dusty or low-visibility conditions.
- Covers high-risk interfaces including crossings, junctions and loading areas.
- Helps control traffic flow where physical separation alone is insufficient.
- Configured around site-specific risks, vehicle movements and operational requirements.
- Supports safer movement across complex industrial environments.



2. Machine Guarding

- Built for demanding applications across steel, mining, forging and heavy manufacturing.
- Flexible protection supports different access and maintenance requirements.
- Strong Fix is designed for high-impact applications in forging, press shops and heavy fabrication.
- Modular systems adapt to changing layouts and maintenance needs.
- Impact-tested, TÜV-certified guarding designed to support compliance with the EU Machinery Regulation and relevant safety standards.



3. Barriers

- Protect machinery, infrastructure and pedestrian routes from vehicle impacts.
- Absorb impact energy, helping reduce damage to floors and structures.
- Polymer barriers are TÜV-certified, PAS 13 compliant and corrosion-resistant.
- Solutions matched to the site conditions and operational demands.
- Modular systems adapt as traffic routes and layouts change.

Verified by certifications, standards and reality.

It is no coincidence that Troax is the clear market leader, with three times the market share of the number two player. The world's leading companies choose us because they trust our experience, our innovation and our ability to deliver.

Our R&D teams keep pushing boundaries, developing new products for the demands of modern industry. In our own Test Centre, every solution is put through rigorous testing, so both we and our customers know it will perform when it matters most. Independent certification verifies that our testing is sound, repeatable and transparent.

Troax is also the world's first mesh panel company to have its test method certified by TÜV Rheinland.

Our solutions are designed, tested and documented to the standards that govern industrial safety, including EN ISO 14120, with our test methods independently certified by TÜV Rheinland. Our operations are backed by certified management systems, with ISO 9001 for quality and ISO 27001 for information security in our connected solutions. We also offer support for risk assessments, CE marking and audits.





Safety that performs. Built responsibly.

At Troax, sustainability is a long-term commitment, built into the way we operate. We are committed to reducing the environmental impact of what we manufacture, protecting people throughout our value chain and conducting business with integrity. This commitment guides our decisions across product design, sourcing, production, logistics and governance. We believe in leading by example.

Our operations are certified to ISO 9001 for quality management, complemented by ISO 27001 certification for information security in our connected product solutions. Selected Troax facilities hold EcoVadis Gold or Silver ratings in recognition of their sustainability performance.

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When safety is designed and delivered at the highest level, what begins as protection becomes a platform for performance. It brings teams clarity and focus, makes operations run more smoothly and perform at their best.

This is what defines Troax. We create the conditions for every operation to perform at its best – by guarding people, property and processes from harm.

Seven decades of leadership have taught us that real safety goes beyond prevention. It is the foundation on which performance is built.

Beyond Safety

TROAX™
Beyond Safety

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