TROAX™

Safety Solutions for General Industrial Manufacturing



Manufacturing kept safe, compliant and moving.

Manufacturing brings together machinery, automation, people, materials and logistics, with different safety requirements across every area of the plant. From machine access and automated production to internal logistics and elevated work areas, safety needs to work alongside the way the facility operates. Our work in manufacturing environments gives us a clear view of these day-to-day demands, where every minute of unplanned downtime can cost a large global operation thousands in revenue.

Troax combines machine guarding, partitioning walls and barriers across the manufacturing environment, helping create safer, more organised facilities from production cells and conveyors to logistics areas and elevated platforms.

From machining cell to packaging line, every area covered.

Machining and metalworking
Guarding helps contain swarf, coolant splash and ejected material.

Electronics and precision assembly
Precision work protected across cleanroom and ESD lines.

Automated and PLC-controlled productione
Interlocks and automated doors provide controlled access and status feedback when specified as part of the complete safety design.

Packaging and process lines
High-speed lines kept safe through product transfer and format changes.

Mezzanines and elevated work areas
Fall protection for platforms and stairways, with clear sightlines.

Warehousing and internal logistics
Goods, racking and people protected in one move.

Hazardous goods and restricted access
Hazardous goods stored to specification, with controlled access.



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.

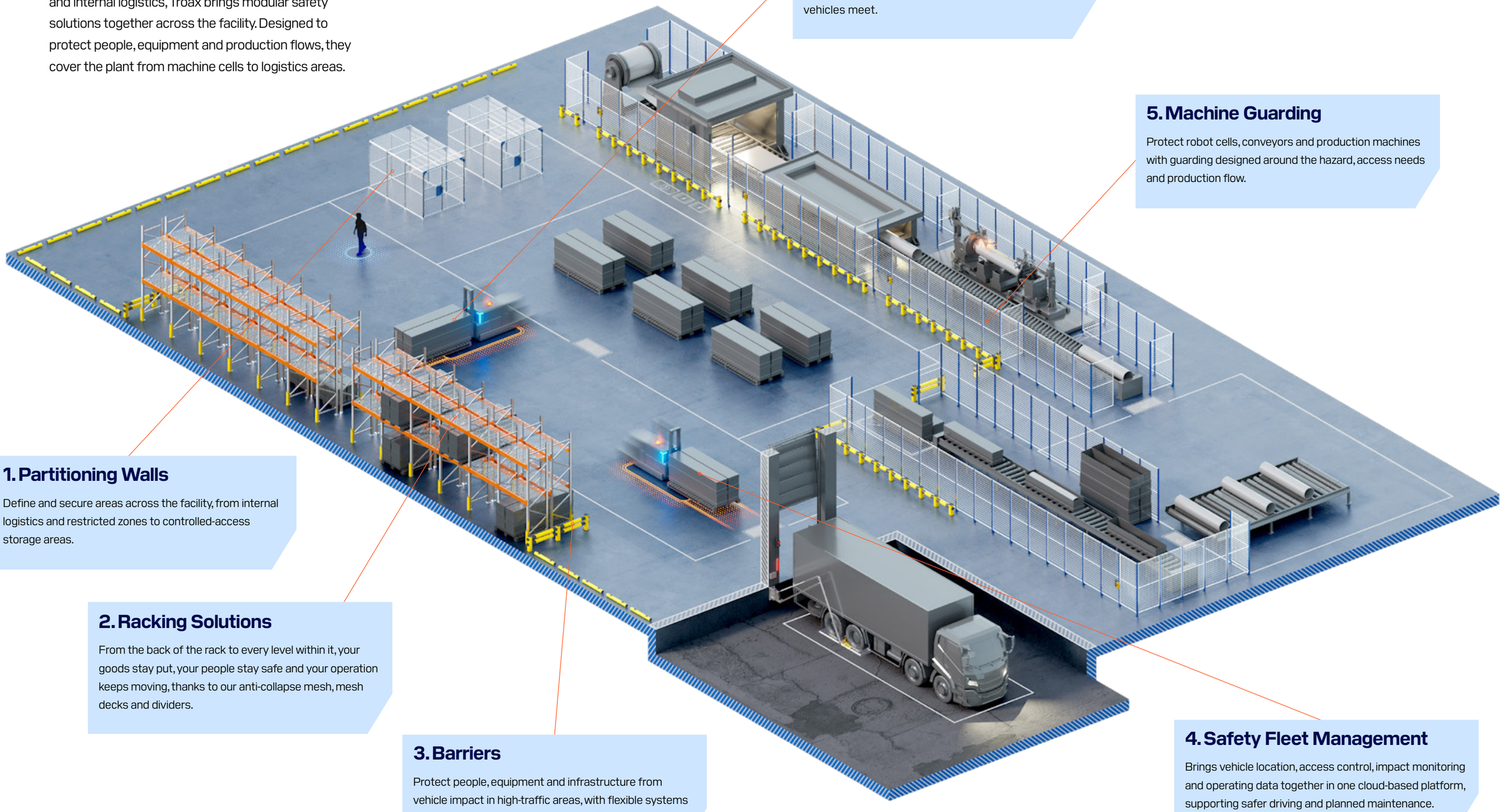
Tools and support at every stage

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.

Complete safety solutions, from cell to site.

From machining and assembly to packaging, storage and internal logistics, Troax brings modular safety solutions together across the facility. Designed to protect people, equipment and production flows, they cover the plant from machine cells to logistics areas.



1. Partitioning Walls

Define and secure areas across the facility, from internal logistics and restricted zones to controlled-access storage areas.

2. Racking Solutions

From the back of the rack to every level within it, your goods stay put, your people stay safe and your operation keeps moving, thanks to our anti-collapse mesh, mesh decks and dividers.

3. Barriers

Protect people, equipment and infrastructure from vehicle impact in high-traffic areas, with flexible systems that adapt as layouts change.

4. Safety Fleet Management

Brings vehicle location, access control, impact monitoring and operating data together in one cloud-based platform, supporting safer driving and planned maintenance.

5. Machine Guarding

Protect robot cells, conveyors and production machines with guarding designed around the hazard, access needs and production flow.

6. Industrial Traffic Management

Manages access, guides traffic and warns drivers and pedestrians at crossings, junctions and loading docks, helping reduce collision risks where people and vehicles meet.

Engineered for industrial manufacturing. Trusted by leaders.



1. Partitioning Walls

- Create secure boundaries for internal logistics, storage and restricted-access areas.
- Modular mesh systems adapt to changing production layouts and requirements.
- Doors and locking solutions support controlled access.
- Separate people, goods and processes across the facility.
- Designed for long-term flexibility and minimal disruption during modifications.
- From open mesh partitions to lockable cages, tailored to your space and security needs.



2. Racking Solutions

- Goods caught before they reach the aisle, keeping people safe as they work.
- Whole-rack solutions: anti-collapse mesh for the back, mesh decks for every level and dividers for precise picking.
- Anti-Collapse Mesh tested to 2,500 joules using a TÜV-certified test method.
- Adjust and reconfigure as needs change.
- Lower costs from less product lost to falls, less damage and fewer stoppages.



3. Barriers

- Protect rack ends, machinery, pedestrian routes and infrastructure from vehicle impacts.
- Flexible polymer flexes and absorbs impact, helping protect floors, structures and equipment.
- Reduce damage, downtime and maintenance costs versus rigid alternatives.
- TÜV-certified and PAS 13 compliant for demanding industrial environments.
- Modular systems extend and reconfigure as traffic flows change.



4. Safety Fleet Management

- Provides visibility of vehicle performance, safety, location and access
- Restricts vehicle access to authorised operators.
- Connects vehicles through onboard hardware and software, recording movements, operators and impacts.
- Supports safer driving through traceable impacts, safety events and cloud-based reporting.
- Uses operating data and alerts to support planned maintenance.



5. Machine Guarding

- Guards robot cells, conveyors and production machinery across different risk levels and applications.
- Impact-tested and TÜV-certified as a complete system, protecting against access to hazards and ejected parts.
- Mesh, polycarbonate and steel infills suit different risks and environments
- Guarding as close as 120 mm from the hazard, saving valuable floor space.
- Interlocks and automated doors support safe maintenance.
- Designed to support compliance with the EU Machinery Regulation and relevant safety standards.



6. Industrial Traffic Management

- Optimised movement and flow where people and vehicles meet.
- Solutions for every crossing, dock and junction: Pedestrian segregation, mixed-traffic environments, traffic control and loading dock gates.
- Warns drivers and pedestrians early, even in blind spots and poor visibility.
- Alert systems, cameras and projected warnings.
- Supports automatic speed reduction in designated high-risk zones where supported by the system.

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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