TROAX™

Safety Solutions for Automotive Production



Full line speed, safely delivered.

Automotive production runs on precision, speed and reliability. We understand the demands of the industry and the risks created across robot cells, presses, conveyors and AGV routes. Every minute of downtime can cost a large global operation thousands in revenue, making uptime critical.

Troax combines machine guarding and barriers for automotive production, matched to the risks and requirements of each area. Our solutions help OEMs and Tier 1 and Tier 2 suppliers protect people, support compliance and keep production running through launches, changeovers and model cycles.

Every area, from body shop to loading dock, built for safety.

Body shop and body-in-white (BIW)
Heavy-duty guarding matched to each robot cell's payload, reach and risks.

Press shops
Solid infill and controlled access for transfer presses, progressive dies and blanking lines.

Powertrain, EV battery assembly and component lines
Safe separation between automated machinery, manual operations and AGV routes.

Mezzanines and elevated work areas
Fall protection for elevated areas while maintaining sightlines and airflow.



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.

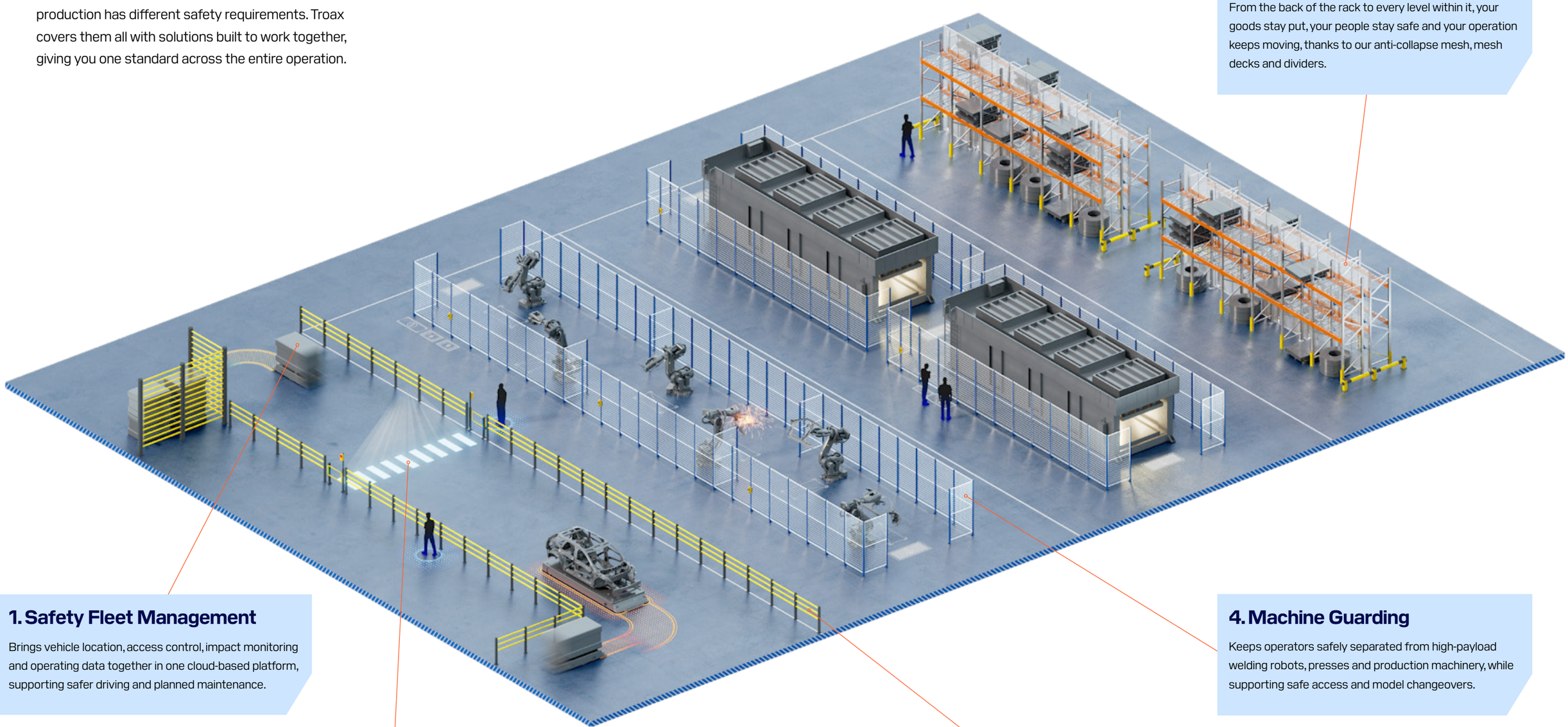
Tools and support at every stage

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.

One safety standard across the entire operation.

Every zone, route and interface in automotive production has different safety requirements. Troax covers them all with solutions built to work together, giving you one standard across the entire operation.



1. 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.

2. 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.

3. Barriers

Protect cell perimeters, columns and line-side infra-structure from forklift and AGV impacts, with flexible systems that adapt as production layouts change.

4. Machine Guarding

Keeps operators safely separated from high-payload welding robots, presses and production machinery, while supporting safe access and model changeovers.

5. 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.

Engineered for automotive production. Trusted by leaders.



1. 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.



2. 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.



3. Barriers

- Protect rack ends, machinery, pedestrian routes and infrastructure from vehicle impacts.
- Flexible polymer flexes and absorbs impact, helping protect floors, machinery and infrastructure.
- Reduce damage, downtime and maintenance costs versus rigid alternatives.
- TÜV-certified and PAS 13 compliant.
- Modular barriers protect pedestrian routes, rack ends and infrastructure. Can be adapted as layouts change.



4. Machine Guarding

- Guards robot cells, conveyors and production machinery across applications and energy levels.
- Fast to assemble and easy to reconfigure.
- 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.
- Interlocks and automated doors support safe maintenance.
- Designed to support compliance with the EU Machinery Regulation and relevant safety standards, including EN ISO 14120 and EN ISO 13857.



5. 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.



Partitioning walls

- Turn open space into safe areas with clear, defined boundaries.
- Secure goods, from open mesh to lockable cages.
- Modular and versatile, reconfigurable on site as layouts and logistics flows change.
- Doors and locking solutions support controlled access to storage and restricted areas.
- From lighter systems for everyday boundaries to heavy-duty and high-security partitioning that stand up to heavy loads, restricted zones and high-value goods.

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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