Digital TechnologiesGroup

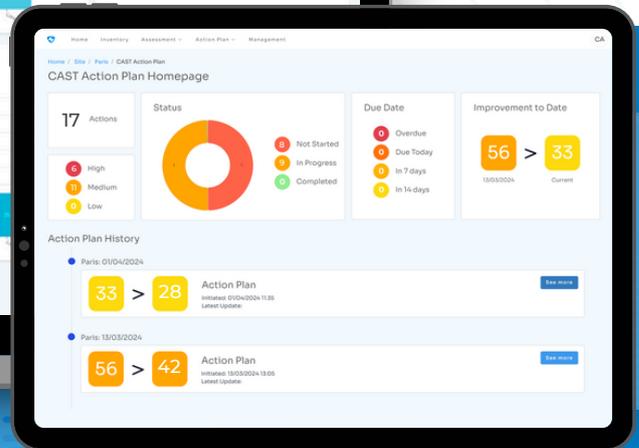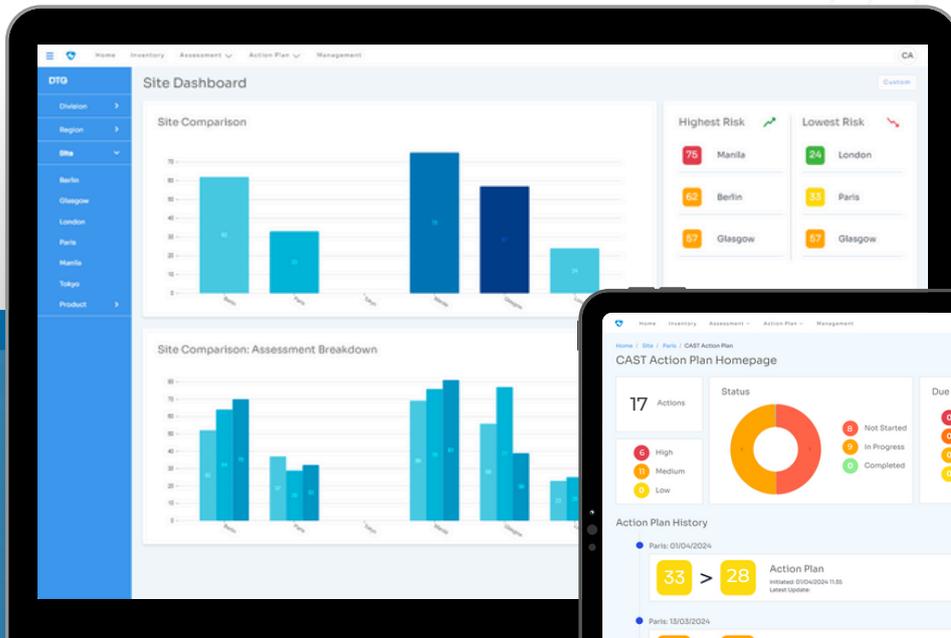# CAST

The Cyber Risk Management Hub
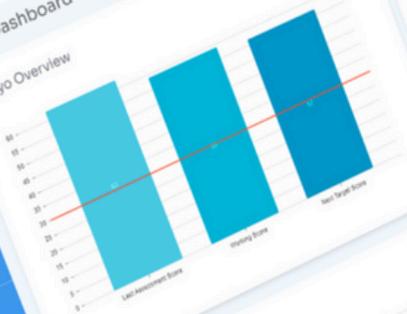
FOR OPERATIONAL TECHNOLOGY

Measure and manage industrial
cyber risk in a single platform
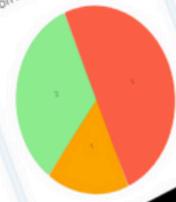
CAST

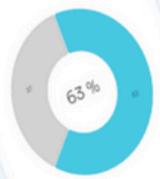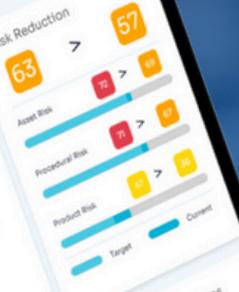## Helping you measure and manage industrial cybersecurity risk.

Embracing digitalisation and increasing the connectivity of legacy manufacturing systems leaves organisations vulnerable to cyber threats. Additionally, cybersecurity risk, particularly in the manufacturing space, is often unquantified and poorly communicated to business stakeholders.

Solution Overview

CAST is a Cybersecurity Risk Management Hub for Industrial Technology that identifies security weaknesses in operational technology systems and processes, enabling the deployment and lifecycle management of cyber security solutions.

CAST is purpose built to equip business leaders with the tools to measure and manage the cybersecurity risk of multi-vendor industrial technology across an entire network of sites.

Visualise
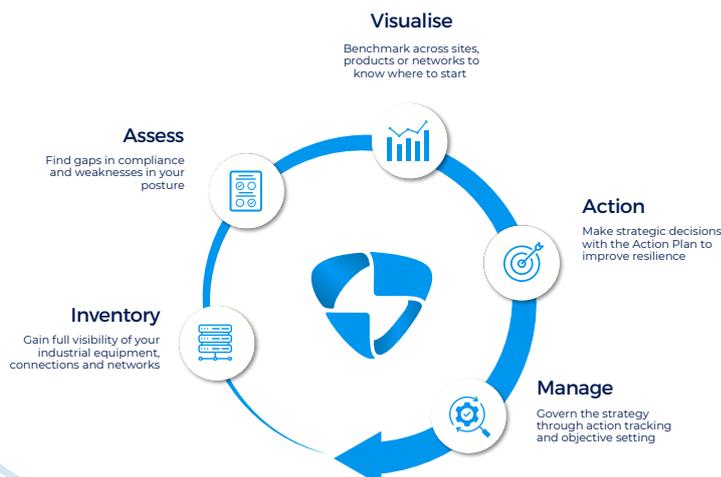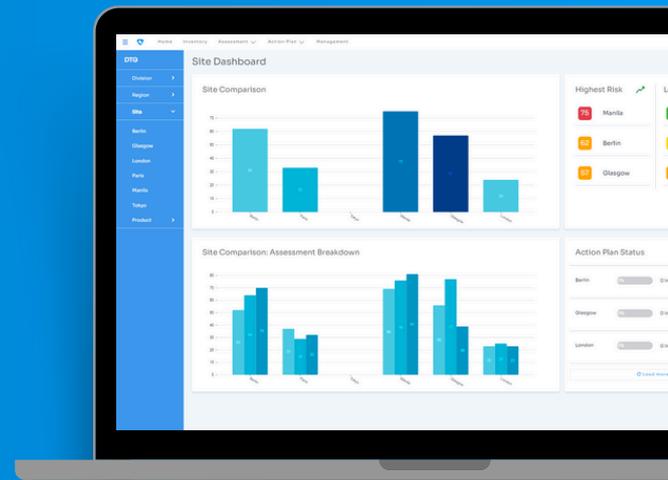Benchmark across sites, products or networks to know where to start

Assess
Find gaps in compliance and weaknesses in your posture

Action
Make strategic decisions with the Action Plan to improve resilience

Inventory
Gain full visibility of your industrial equipment, connections and networks

Manage
Govern the strategy through action tracking and objective setting

CAST helps you build an inventory of your OT assets, fully assess and quantify cyber risks, prioritise and set risk mitigating action plans, and then monitor progress at both a site and enterprise level.

The OT Cyber Challenge

Embracing digitalisation and increasing the connectivity of legacy manufacturing systems leaves organisations vulnerable to cyber threats. Increasing incidents of malicious cyber attacks have shown just how easy it is to cripple network-based infrastructure.

The security of operational technology is more critical that ever but it is often poorly communicated and therefore, poorly managed. Multi-vendor equipment audits and point-in-time surveys are costly, with results often becoming outdated before the report even reaches your desk.

Threats
to your
business

Disruption of Operations
Attacks can lead to production downtime, equipment failures, and supply chain interruptions

Safety Risks
Malicious actions can compromise safety systems, endangering workers and the public

Financial Losses
Downtime, repairs, and recovery efforts resulting in significant financial losses

Data Theft or Manipulation
Attackers can steal sensitive, proprietary and secret data or manipulate data to cause incorrect decisions

Supply Chain Impact
Attacks on ICS can ripple through supply chains, affecting other interconnected systems and partners

Reputation Damage
Public awareness of an attack can harm an organisation's reputation and erode trust

Traditional approaches are falling short

As organisations seek to extract value from data, enhance digital & become more inter-connected, cyber security remains an ever-increasing risk. The data shows most organisations are struggling to manage this risk using traditional assessment approaches.

75% of organisations reported >1 intrusions in 2023
Impacts included downtime, financial or data loss, brand degradation, and even reduced physical safety

87% of organisations do not have centralised visibility of all OT activities
The majority of organisations don't have a wholistic picture of their OT operations or security posture

51% of intrusions impacted OT systems
Resulting in operational outage that affected productivity, taking several hours to return to service

The CAST Approach

Traditional		CAST
Struggle to measure and track industrial cyber risk		Quantification of risk using simple metrics
Point in time assessments that date quickly		Lifecycle product that displays real time, dynamic data
Lack of engagement from senior management		Built to provide 'big picture' visibility to business leaders
Inconsistent analysis when assessing risk across sites		Standardised approach enables cross-site comparison
Focusing on technical risk, ignoring business risk		Business strategy considered as part of risk evaluation
Action tracking in spreadsheets and emails		Action plans, statuses and live scores all in one place

THE CAST PLATFORM

How it works

Inventory

Gain full visibility of your industrial equipment, connections and networks

- ✓ Create an accurate OT asset register that is up to date and complete

- ✓ Map assets to sites, buildings, locations and products to get a wholistic picture of your network

- ✓ Assign asset type and criticality level to aid asset classification

Assess

**Find gaps in compliance and weaknesses in your posture**

- ✓ 3-part assessment evaluates your Assets, Procedures and Products.

- ✓ Questions aligned to industry standards from HSE, IEC & NIST

- ✓ Bulk assess assets of the same type

Visualise

Benchmark across sites, products or networks to know where to start

- ✓ Assessment data and risk scores displayed on dashboards

- ✓ Compare across product lines, sites, regions, divisions and your enterprise as whole

- ✓ Spot trends and pin point highest risk areas
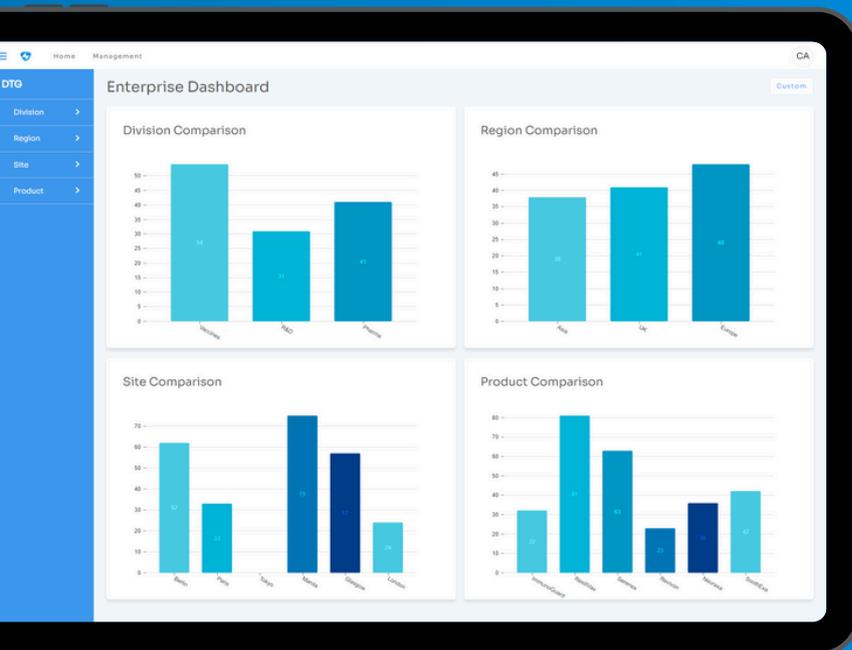
Manage

Govern the strategy through action tracking and objective setting

- ✓ Senior management can assign and schedule future assessments

- ✓ Keep track of new vulnerabilities as they arise and assign actions accordingly

- ✓ Document storage for relevant files and information

Action

Make strategic decisions with the Action Plan to improve resilience

- ✓ Prioritise highest risk items and build your own action plan for mitigation

- ✓ Assign owners and set priority levels

- ✓ Continuously update action status to see risk scores reduce

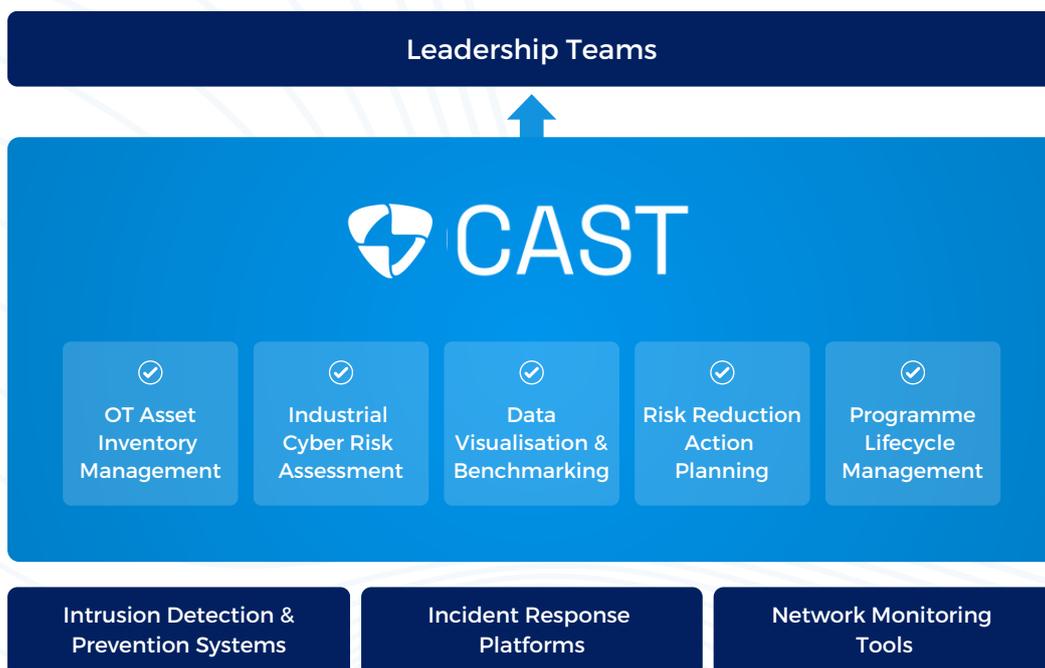# Industrial Cyber Security, Translated for Business Leaders

Cybersecurity risk, particularly in the manufacturing space, is often unquantified and poorly communicated to business stakeholders.

CAST is purpose built to equip business leaders with the tools to measure and manage the cybersecurity risk of multi-vendor industrial technology across an entire network of sites.

Bridging The Gap to Leadership

CAST provides an end to end solution for the entire lifecycle management of industrial cyber security while also adding useful tools for leaders to prioritise and quantify risk in a standardised way. CAST empowers business leaders, providing the right data to strategise with confidence, and ultimately get back control.

Leadership Teams

CAST

| ✓ OT Asset Inventory Management | ✓ Industrial Cyber Risk Assessment | ✓ Data Visualisation & Benchmarking | ✓ Risk Reduction Action Planning | ✓ Programme Lifecycle Management |

Intrusion Detection & Prevention Systems

Incident Response Platforms

Network Monitoring Tools

Why CAST ?

No matter where organisations are with their current operational technology cybersecurity risk management framework, CAST delivers tangible benefits.

Business Focused

Articulate cyber risk profiles to business stakeholders to enable enterprise risk management

Augment Your Processes

CAST aligns with your existing data & processes to visualise and control your cybersecurity programme

Manage the Lifecyle

Maintain your progress to date and manage new cyber challenges as part of your ongoing risk mitigation

Cost & Time Efficient

Our digitised process is low cost and resource light compared to other assessment approaches

What do our customers say?

"Increases senior management engagement in OT Cyber Security"

"Plain English used, so easy for non-technical personnel to understand"

"Can be used to validate investments and remediation projects then easily visualise the improvements"

"Easy to use web-based interface that is intuitive and well-laid out"

"Instantly see areas for focused remediation to lower risk"

ABOUT US

WHO WE ARE

DTG is a life science advisory company, specialising in digital transformation.

We provide strategic technology and business advice to life science manufacturers.

OUR SERVICES

WHAT WE DO

DIGITAL CONSULTANCY

- Digital Manufacturing Strategy
- Execution Road-mapping
- Industry 4.0 Baselining
- Project Health Checking
- Technology & Vendor Assessments
- New Facility Digital Blueprint

Unlocking digital value

INDUSTRIAL CYBERSECURITY

- CAST: OT Cyber Risk Management Hub
- OT Cyber Strategy & Consulting
- Specialist Contractors

Protecting your digital assets

DIGITAL CULTURE TRAINING

- Demystifying Digital
- Industrial Cybersecurity
- Digital, Data & Data Analytics
- Digital Leadership

Building a digital culture

CONSULTANT SOLUTIONS

- Process Engineer
- Data Scientist
- Validation Engineer
- ICS Cyber Consultant

Bridging your skills gaps

LOW / NO CODE DEVELOPMENT

- Bespoke Application Design
- Vendor/Platform Assessment
- Low / No Code Strategy

Building high value apps

THE DTG TEAM

OUR EXPERIENCE

Our dedicated team have spent decades driving and advising some of the worlds largest pharmaceutical companies. We understand the complex nature of working in high value, highly regulated manufacturing environments.

Within our team we have a breadth of skills and experience across life sciences manufacturing.

- Automation & digital systems
- Supply chain management
- Digital strategy development
- Enhanced productivity
- Business growth

SCHEDULE A DEMO

Want to experience CAST for yourself?

Book a personalised tour of our solution and see first-hand
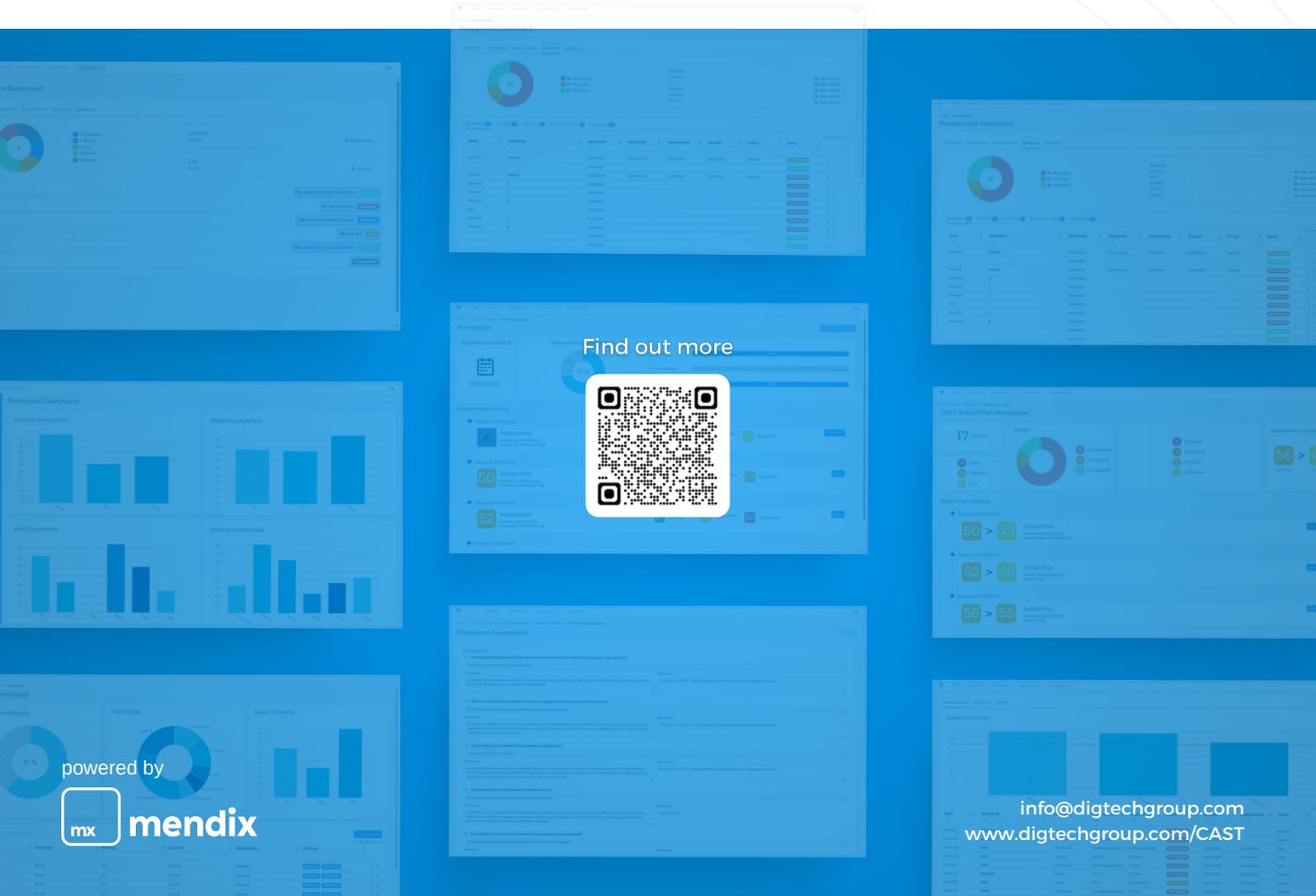how CAST can help you digitise your cyber risk management.

www.digtechgroup.com/CAST-demo

CAST

CLARITY • CONFIDENCE • CONTROL

Find out more

powered by
mendix