

# One Stop Solution To Achieve Industry 4.0 Goals



## Climb The Ladder Of Safety Culture Using

### Arresto Connect<sup>+</sup> Digital Platform



- ✓ **DIGITIZE**
- ✓ **COMPLY**
- ✓ **ANALYSE**

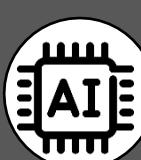


**5E**

**5C**

**5L**

- ✓ Easy Asset Inspection
- ✓ Assured Compliance
- ✓ Quality Assurance



Artificial Intelligence



Universal Sensors



Virtual Reality



Augmented Reality



Patented Dynamic QR Codes

THIS IS A  
GAME CHANGER!



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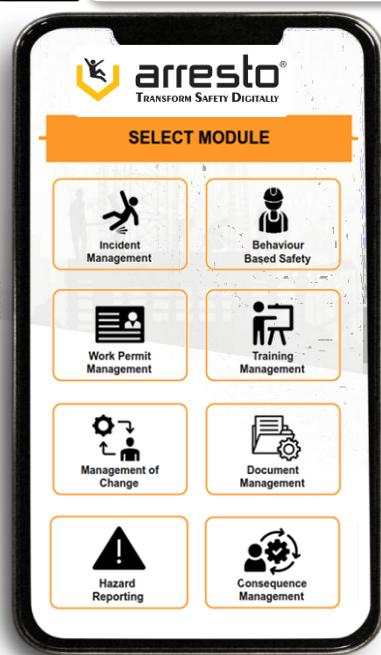
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Enablers Are Independent, Interdependent And Interrelated With Core Processes



## OHMS

### Occupational Health & Safety Management System

Arresto Connect<sup>+</sup> introduces cloud-based **Custom-Built innovation** which allows user to **customize business processes as per requirements** and relieves the user from a mountain of paper records.

**Identify And Mitigate Safety Risks To Protect Your People And Organization**

### OHMS Modules

Incident Management	Safety Observation	Hazard Reporting	Action Management
Report each step of Incident, Near-Miss, or any observation that could be A potential risk and help it to remain visible and under control.	Report Safety Observations to improve safety awareness and promote risk-reducing behaviour across your organization.	Identify hazard and aid human observation. Report hazards, at-risk behaviour and unsafe conditions from your smart phone.	Convert the insights from collected data from modules into actions & recommendations. Monitor actions, accountability and report on progress.
Hazard Identification & Risk Analysis	Work Permit System	Asset Integrity	Safety Meeting
Identify potential hazards, assess associated risks, and implement measures to mitigate the risks. HIRA is crucial for ensuring the safety of People, Process, and Products.	End-to-End solution to ensure that necessary safety precautions are taken before, during, and after the execution of potentially hazardous tasks.	Enable your asset to perform its required function effectively and efficiently while safeguarding people, the environment, and the asset itself	Schedule, manage and track minutes of meeting. Record key decisions and assign ownership.
Consequence Management	Audit & Inspection	Safety Suggestion	PPE Management
Define fair & uniform process to deal with employee safety behaviour that crosses threshold level	Structured process to evaluate safety efficiency, effectiveness, and reliability.	Record suggestions related to safety and monitor their compliance.	Plan, procure, issue, maintain, inspect, track, trace, test and manage PPE.
Road Safety Violation	Training Management System	Document Management	Emergency Preparedness
Report, track and manage violation related to road safety	Manage training need identification, automated course scheduling, alerts, reminders and pre/post training content through LMS platform.	Update, review, validate, access and acknowledge key internal documents and policies.	Plan and record anticipated emergency response. Monitor periodic mock drills and maintain display/status markers.
Legal Statutory Compliances	Contractor Safety Management	Occupational Health	Management Of Change
Maintain, remind and validate all your legal & statutory documents/regulations digitally.	Qualification, induction, training, safety documentation, field safety audit, assessment and consequence management of the contractor	Integrated platform for occupational health related processes and data management.	Manage risks and incidents with management of change tool to improve safety, compliance and performance.



Powered By



ARTIFICIAL  
INTELLIGENCE

PPE & Hazard Detection  
Traffic Management  
Illumination Management

UNIVERSAL  
SENSORS

Work At Height Sensors  
Make Your Own Sensor

VIRTUAL  
REALITY

Work At Height VR Programs  
Make Your Own VR Program

AUGMENTED  
REALITY

Work At Height AR Programs  
Electrical Safety AR Programs  
Make Your Own AR Program

DYNAMIC  
QR CODE

Asset Integrity  
OHMS  
Physical Verification (PV-FAR)



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Digitise Business Processes & Address Vulnerabilities For Business Continuity



# Occupational Health & Safety Management System



PLANS	MODULES	USERS	LOCATION	QR STICKERS	ADD-ONS
	<b>SILVER</b>	1	100	1	1500
	<b>GOLD</b>	3	100	1	3500
	<b>DIAMOND</b>	5	100	1	5000
	<b>PLATINUM</b>	10	100	1	7500
	<b>ENTERPRISE</b>	ALL	100	1	15000

**ADD-ONS**

- Your Brand
- Training
- Integration
- Hardware
- SMS Gateway
- Customization



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A Dynamic QR Code Is All You Need To Digitize Safety

 **Thinksafe**  
SCAN SENSE SECURE



## Asset Integrity

The Dynamic QR code are powered by Arresto Connect+, a cloud-based asset integrity software. This unique 360° digital platform reminds a user of a pending competent person inspection, generates inspection reports with proof of evidence and monitors closure of non-conformity.

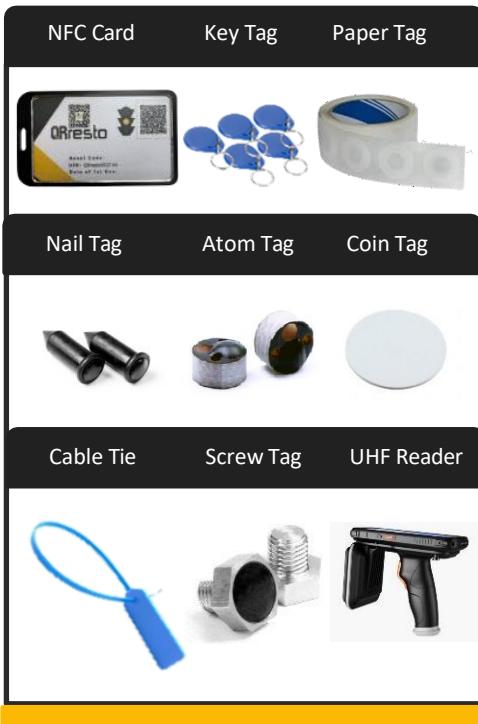
## Integration of Product, People, Process



Easy Asset Inspection | Assured Compliance | Quality Assurance

### Dynamic RFID Tags

- ✓ Non-contact, water, heat and abrasion resistant.
- ✓ Read by smart phones, do not need expensive RFID readers.
- ✓ Available in different size and shape.
- ✓ Some tags are compatible to metal.



### Dynamic QR Code

- ✓ Provides real time information.
- ✓ Records last scan location.
- ✓ Makes your occupational health & safety management system interdependent and interrelated.

#### Polyester Sticker



- ✓ Waterproof
- ✓ Tear Resistant

#### UV Resistant Sticker



- ✓ UV Resistant
- ✓ Waterproof
- ✓ Tear Resistant
- ✓ Abrasion Resistant

#### Aluminum Label



- ✓ Robust for harsh environment
- ✓ Corrosion Resistant

#### Metal Case Label



#### Portable Lazer Engraver



### Return On Investment (ROI)

#### BENEFIT

 Minimize unwanted purchase or loss of assets

 Saves manpower through automation of documentation

 Increases life of assets and its efficiency

 Saves time and enables transparent audit

 Minimizes accidents and financial losses. Increases profitability

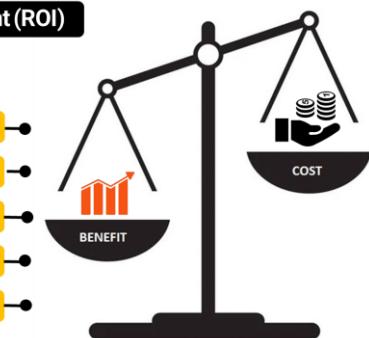
Monetary Savings

Time saving Benefits

Greater life of assets

Reduce Accidents

Optimize manpower



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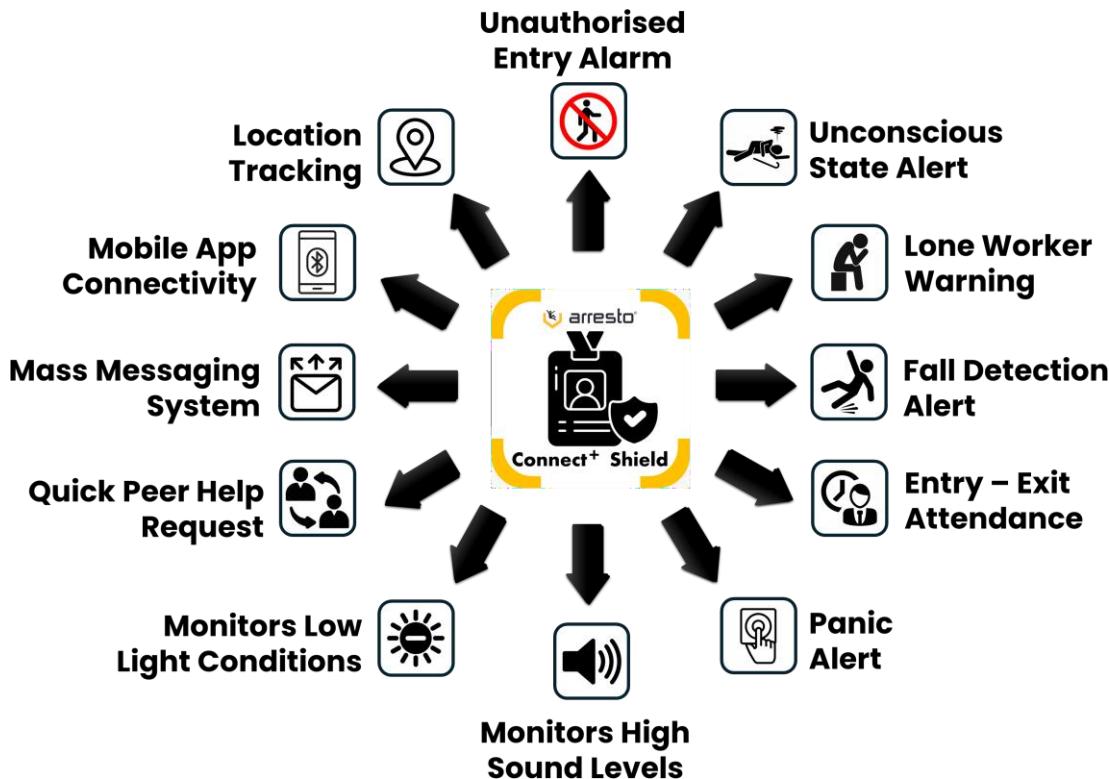


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## Connect+ Shield

The Arresto Connect+ Shield is a GPS based sensor that monitors the safety and wellbeing of the employee and ensures connectivity with the safety and emergency rescue teams in real-time.



## Smart Lanyard

Continuously monitor compliances and ensure predictive maintenance of assets in your occupational health & safety management system.

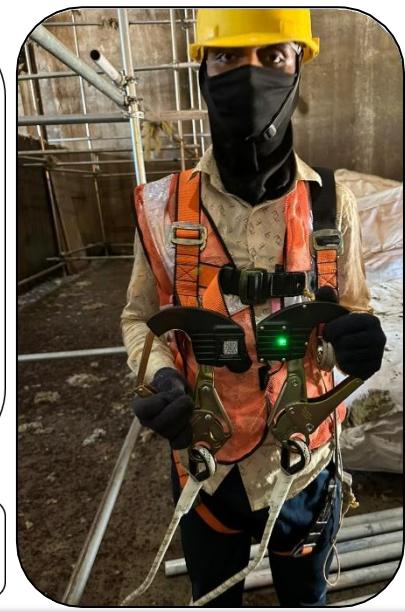


### Making Fall arrest Digital

- Most work at height accidents occur due to human error or not connecting the harness lanyard to an anchor.
- The smart sensor detects when the lanyard is not connected.
- It sounds an alarm and flashes a red light to remind the user to connect his lanyard to an anchor.
- The sensor of the smart lanyard is linked to a cloud-based software that informs the safety team of violations and sounds an alarm in their mobile handsets too, in case the user is not connected.
- The smart dashboard provides analytics for training purpose

### Smart lanyard

- Monitor 100% tie off
- Detect and Alert Disconnection





Redefine Reality, Immersive Experience And Data-driven Insights



## Augmented Reality Application

Personalized **Immersive Learning Experience** in your own **Environment and Assets**.

- ✓ Create digital twin of your workplace.
- ✓ Select industrial assets from Arresto vast library of 3D images.
- ✓ Link images to a story board in quick time.
- ✓ Link AR programs to OHSMS modules for interactive learning.

Enhanced Training And Induction	Real-time Information Overlay	Risk Visualization
Practice safety procedures before working with real equipment.	Get real-time data and information overlay onto equipment from database of OHSMS modules including safety guidelines, status, hazards etc.	Visualize potential hazards and risks in 3D to help workers identify and avoid dangers more effectively.
Maintenance Support	Emergency Response Improvement	Low Downtime and High Productivity
Get step-by-step instructions for equipment repair or maintenance tasks.	Get real-time information about escape routes, emergency exits, and the location of safety equipment.	Get quick access to information and assistance.

## Virtual Reality Application

A virtual tour of inaccessible or dangerous workplace and experience the consequences of accidents in a safe virtual environment.

- ✓ Enhance industrial safety by providing realistic training, mitigating risks, improving emergency preparedness.

Behavioral Safety Training	Risk-Free Learning
Simulation of real-world scenarios that test and reinforce safe behaviours	An environment where employees can make mistakes and learn from them without real-world consequences
Hazard visualization	Customizable Training Scenarios
Experience hazard virtually and understand the importance of safety measures and precautions	From our vast 3D asset library recreate your own industry environment for an effective connect
Remote Training and Collaboration	Equipment Familiarization
Employees can teleport to the plant while present at multiple locations	Allow workers to explore, interact with machinery & equipment virtually before encountering them in actual workplace



## Universal Sensors

Continuously monitor compliances and ensure predictive maintenance of assets in your occupational health & safety management system.



Scalability	Flexibility	Data Transmission
Decide activity and select a sensor. Our sensor is based on the primary accelerometer sensor with a scalability to add sensor of your choice to available multiple open ports	The Arresto Connect <sup>+</sup> software allows the flexibility to assign threshold values to each sensor according to your requirement through our calibration portal	The Arresto Connect <sup>+</sup> software along with compatible hardware allows the sensor to transmit data to cloud through Bluetooth (BLE5), Wi-Fi, LoRa WAN and M2M Sim
Over The Air (OTA) Updation	Arresto Connect <sup>+</sup> Sensor Module	Dashboard
The sensor firmware and threshold data are updated over the air without user input	The software controls the sensor with easy user interface and smart processing of sensor data for high-end analytics	Arresto Connect <sup>+</sup> connects sensor, assets and users. The smart grouping feature creates A hierarchy and transmits alerts to all stakeholders in real time. The dashboard provides graphical analytics



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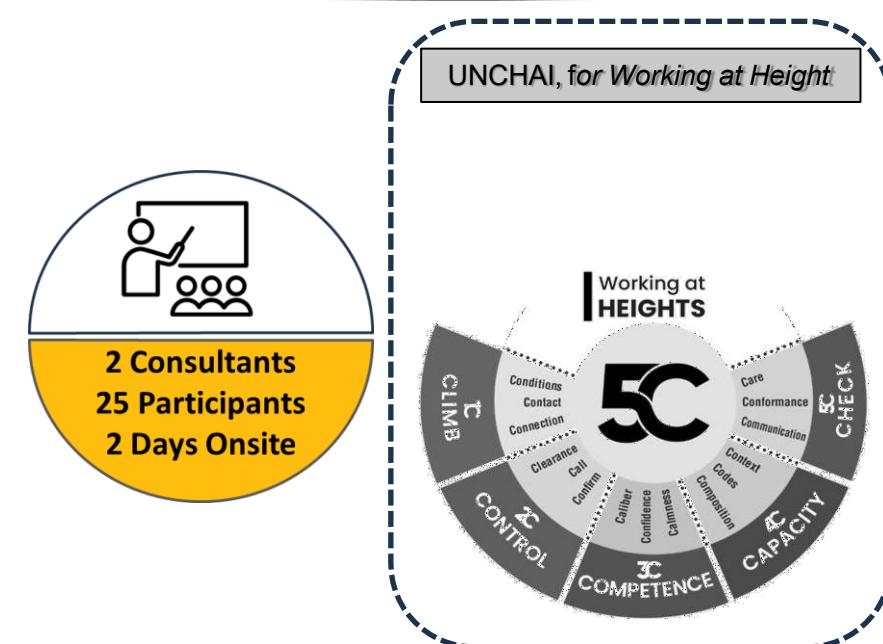
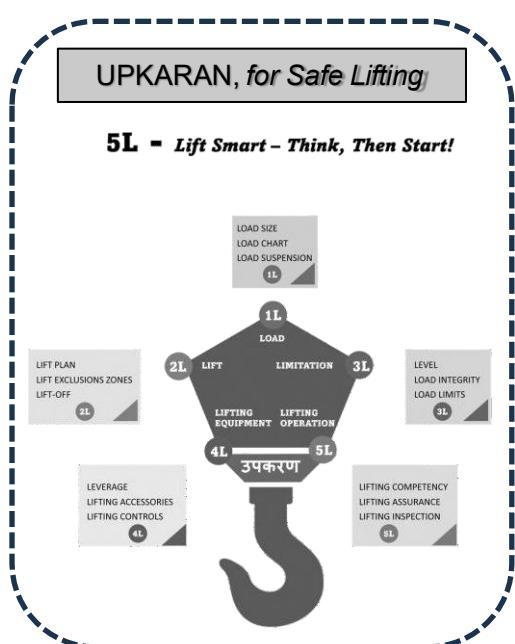
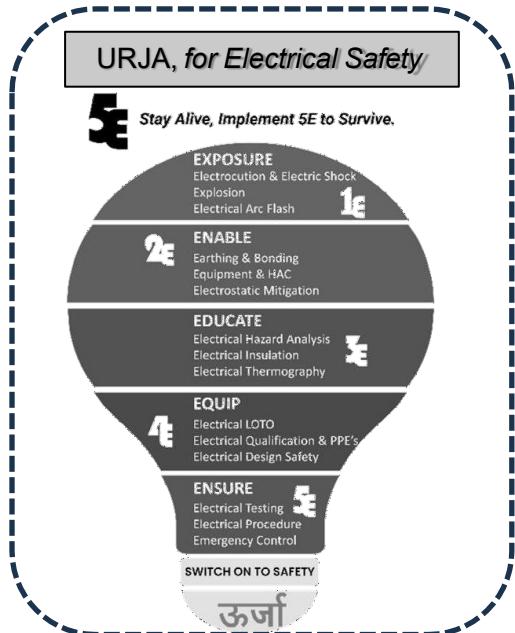


## The Arresto SMART Safety Culture Campaign



## **Capability Building & Training**

Enhance organization's safety culture with adaptive training methodology in line with Industry 4.0 using digital aids (AR, VR, AI). Assessment/Knowledge retention through cloud-based mobile application.



UNCHAI

The 5C's of Unchai is a 360° program to maximize safety during working at height. Follow 5C's to eliminate Work at Height accidents. This campaign helps to understand how each C's impact the effectiveness of our fall protection program.

URJA

This campaign helps you to understand 5E's of electrical safety at work. Emphasize the recognition for the safety of those who must work around and with electricity. It ensures the safety of human beings as well as equipment.

UPKARAN

This campaign helps to ensure that operators have the knowledge and skills needed to safely operate the equipment. Includes understanding the capabilities and limitations of the equipment, how to inspect and maintain it, and how to properly rig and lift loads.

UDAAN

This campaign prioritize safety and help to mitigate risks and limit liability for airports, by ensuring that proper safety procedures and practices are followed. Airports can minimize the likelihood of accidents, which can have severe legal and financial consequences.

## RESCUE

This campaign enables the participants to assess the workplace hazards and create an effective rescue plan considering site conditions, hazards, access situations and safety of the rescuer and the victim.



# Our Belief...

## *Technology Save Lives*

