

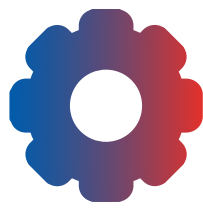
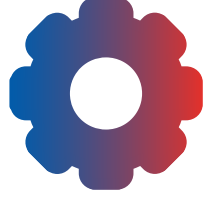
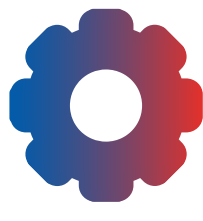
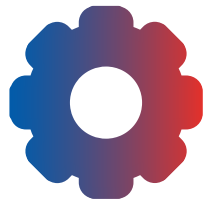


Healthcare Reimagined!







Hospitals and healthcare demand the highest level of service quality with no room for errors to serve patients. Advanced automation solutions help hospitals to protect their healthcare staff and provide a healing touch to their patients.

Decimator, our UV disinfectant mobile robot is designed for indoors disinfection. It is equipped with cutting-edge technology including UV sterilization lamps that produce short-wave UVC light and automatically sprays disinfectant in indoor space. It can be used to fight against COVID-19 pandemic in hospitals, malls, airports, office spaces, hotels.. etc.

Features

-  **Data Collection:** Monitors disinfection process with data and route records.
-  **Natural Navigation:** Fully Autonomous mobile robot with automated navigation and charging.
-  **Charging and Controls:** In 10 min, disinfection of a 250 sqft room; in one recharge cycle, disinfection of 10-15 of such large rooms.
-  **High Intensity:** Designed to deliver 50 mJ/ cm² of UV light from 1-meter distance; 25mj/cm² will be enough to breakdown Covid -19 and SARS DNA.

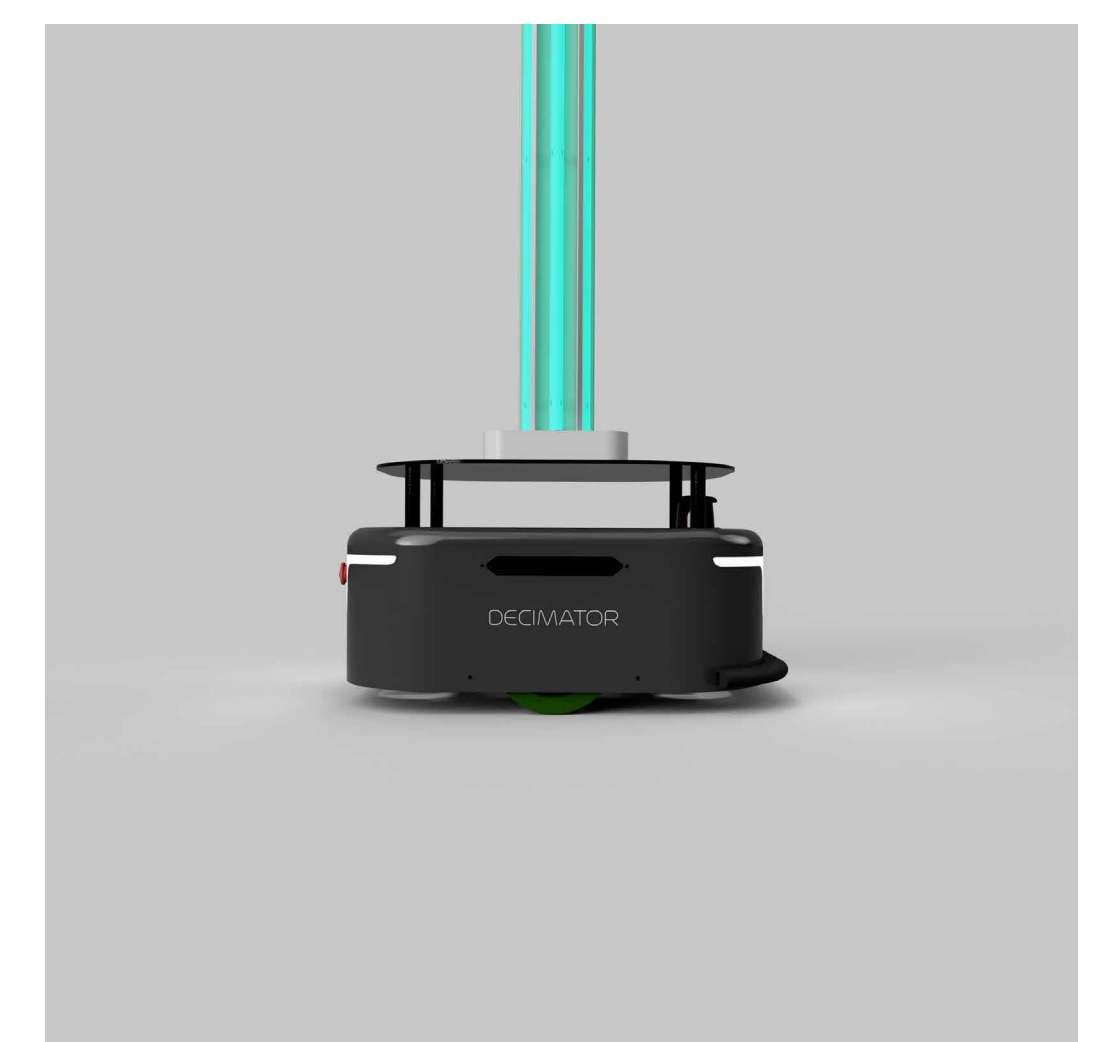
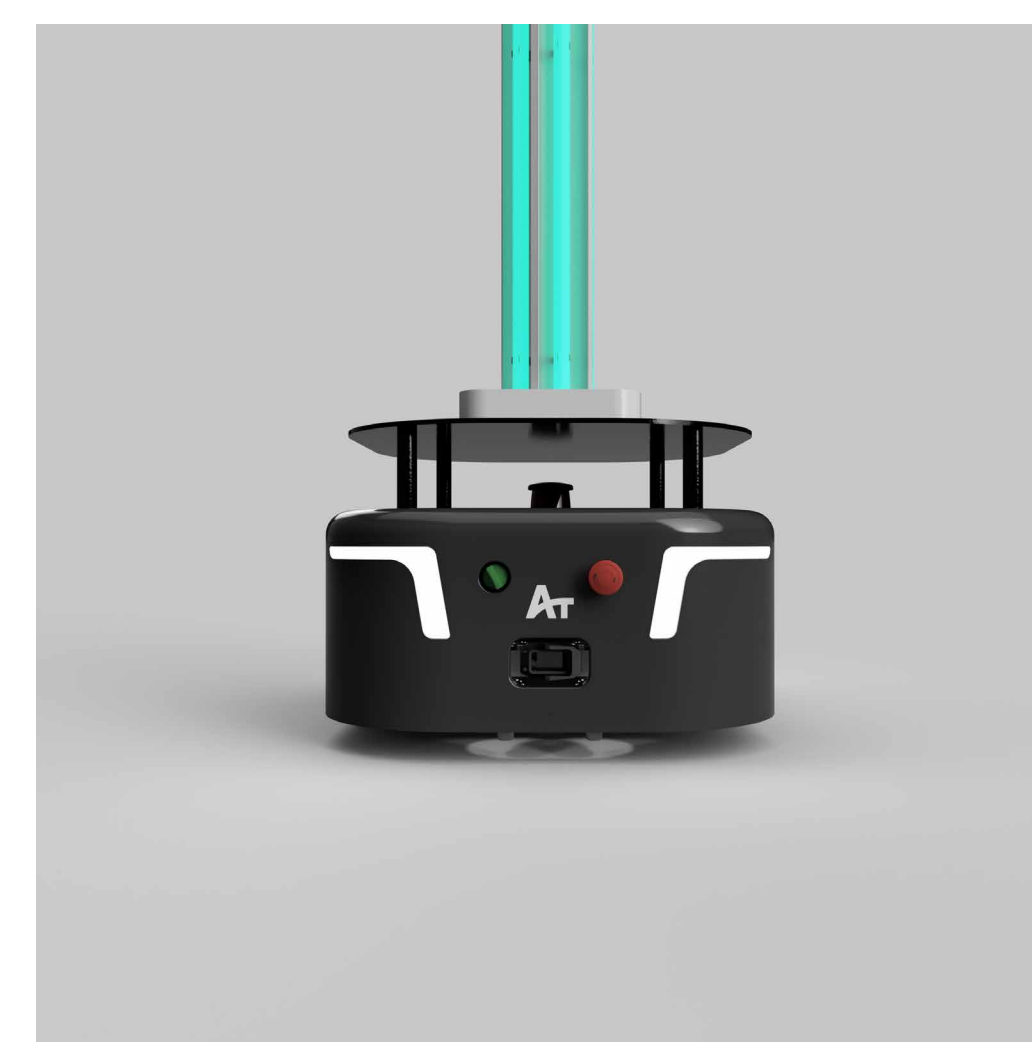
Benefits

-  **Germicidal:** Making UV energy an effective way to prevent microorganisms from replicating.
-  **Safe:** UV disinfection is chemical-free process and leaves behind no residue.
-  **Error free:** No-touch automated disinfection eliminates human error in the disinfection process.
-  **High Kill Rate:** Optimal BLE intensity and residence time of light ensure 99.99% kill rate.
-  **Easy to operate:** Set up time of around 20 min, operate through an Android tab.
-  **Advanced Analytics:** On a daily basis for better scheduling of routes, speeds, and safety.



DECIMATOR

Safeguarding the movement through sanitization!

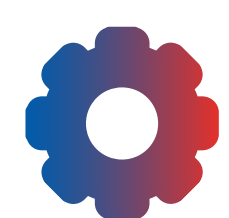


Use Cases

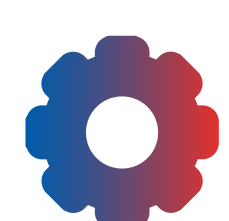
Hospitals | Hotels | Airports | Malls | Offices

Dynamo, our Mobile robot enables contactless movement of materials like Medicines, Blood Samples, Imaging Documents, Surgical materials, Linen – bedsheet, uniform and food & meal trays to the patient thereby enabling healthcare staff to focus more on the health and well-being of the patients.

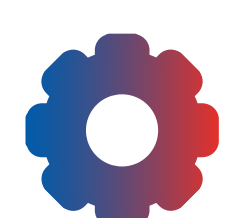
Features



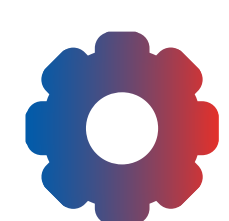
Intelligent: Auto-localization of position and execution of predefined mission with minimal human intervention.



Human-machine Interface: The robot receives instructions through a human-machine interface.



Advanced Analytics: On a daily basis for better scheduling of routes, speeds, and safety.



Two stage obstacle sensors: Indicating the robot to slow down and stop.

Benefits



Increased productivity: Automated delivery enables technicians and other staff to focus on performing high-value tasks.



Safe: The sensory system and collision avoidance capabilities restrict the damage and ensures safety.



Scalable: More no. of delivery robots can be induced to provide surge capacity during peak demand.



DYNAMO FOR PATIENTS' ESSENTIALS DELIVERY

Automating the Movement and safeguarding delivery!



Efficient: Automated delivery brings down costs and improves on-time reliability.



Tracking: Accurate tracking of high-priced equipment and supplies ensure that the number of lost items is decreased.



Integration: Seamless integration with the existing management software system.

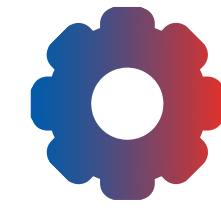
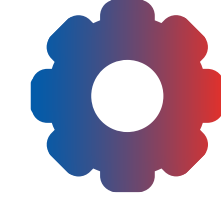
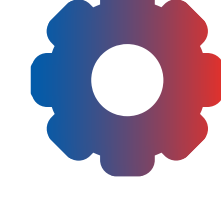
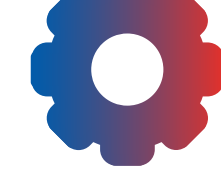
Use Cases

Laboratory | Pharmacy | Food Services | Surgical Supplies




Other clinical/necessity supplies

Equipped with thermal sensors and natural navigation technology, Screener Bot moves around the entrance/reception area and screens the visitors for COVID-19 symptoms i.e fever, cough and cold. It can also have a dispensing system which dispenses sanitizer for hands cleaning.

Features

-  **Temperature sensing:** Senses the Temperature of the person to an accuracy of +/- 1 degree celsius.
-  **Non-Contact sanitization:** It will have contactless dispensing system to dispense alcoholic liquid.
-  **Video Conferencing facility:** The robots has the facility of video conferencing for any required human interaction.
-  **Fast Charging:** It has a battery charging time of 30 min with a run time of 8 hours.

Benefits

-  **Reduces virus transmission:** Screening at the entrance help to minimizing the chances of virus transmission through human contact.
-  **Staff protection:** It will protect healthcare warriors from being infected and serve the patients without any virus replication.
-  **Surveillance and routine checks:** Keep roaming around hospital while checking if people are maintaining safe distance.



SCREENER BOT

Dispensing safety with Mobility!



Data storage: Image storage on cloud for any abnormal case.



Versatile: The same bot can be used for multi-purposes.



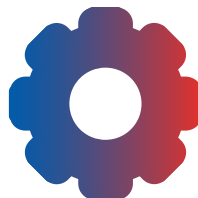
Advanced Analytics: On a daily basis for better scheduling of routes, speeds, and safety.

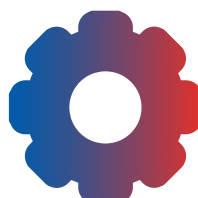
Use Cases

Quarantine Centers | Hospital premises | Any Indoor Premises

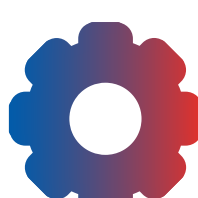
RTLS provide an unprecedented opportunity for hospitals to revolutionize both the visitor and patient experience. Digital wayfinding kiosks and asset tracking with an accuracy of mm, based on the locational intelligence, improves hospital operations and patient care.

Features

 **Indoor Mapping & Experiential Wayfinding:** Combination of wireless and BLE Beacon technology, visitors can be provided with accurate turn-by-turn directions.


 **Mobile Patient Check-In:** BLE beacons have the ability to accommodate and improve automated patient check-in.


 **Clinical Care:** Proximity-based notifications to trigger a message when a patient or practitioner enters a specific area.

 **Facilities Management:** RTLS combined with wireless hospital asset management, deliver better tracking of hospital equipment and resources.

Benefits

 **Increase Asset Utilization:** Reduction in overspending on misplaced assets and ensuring equipment can always be found when needed.

 **Easy movement:** Beacons helps to guide a patients and visitors to different sections of the hospital.


 **Effective staff scheduling:** Internal staff communication can be facilitated and in emergency situations, the closest available staff can be routed to the patient.



RTLS (REAL TIME LOCATION SYSTEM)

Tracking movement through automation!

 **Simplify Compliance and Security:** Keep patients and files safe in the physical world and digital.

 **Increase Patient Satisfaction:** Expedite the visiting process to keep doctors and patients happier.

 **Advanced Analytics:** Beacons proved extensive analytics which helps in data-driven decision making in hospitals.

Use Cases

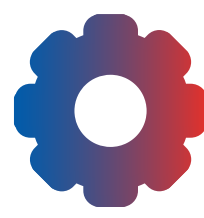
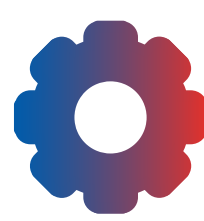
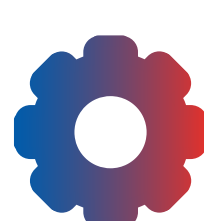
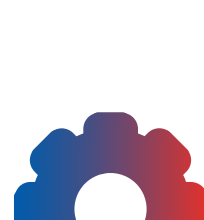
Quarantine Centers | Hospital premises | Any Indoor Premises

AUTOMATED PHARMACY







Dispensing cure via automation!

Pharmacy automation involves the automation of common tasks and processes performed in a pharmacy or other healthcare settings such as medication dispensing which has traditionally been a time consuming and tedious task, boosting prescription volume by 50%.

Features

-  **Prescription dispensing system:** Speedy and accurate process from receiving a prescription to issuing of medications.
-  **Security:** Medications are locked securely in an automation system tracks all dispensed pills.
-  **Automated packaging and labelling:** Reduction in manual error by using barcode technology to perform packaging and labelling of medications.
-  **Space requirement:** Organized and systematic placement in the automation system leading to effective space management.

Benefits

-  **Increased Productivity:** Boosts prescription volume by 50% resulting in better productivity.
-  **Waste Reduction:** Eliminates potential medication waste that can occur during the filling and labelling of prescriptions.
-  **Redundancy elimination:** Reduction in time spent on filling, packing, labeling and dispensing medications.
-  **Improved Patient Counseling:** Significantly reduction of physical workload on pharmacy staff increases time to counsel instructions to patients.
-  **Error reduction:** Reduce the possibility of error by requiring specific dispensing information to be input prior to allowing patients access to the medication.
-  **Drugs Safety:** Keeping medication in sterile environment avoiding contaminations and manual error in dispensing.

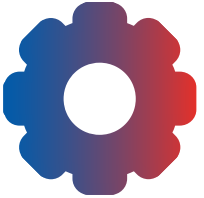
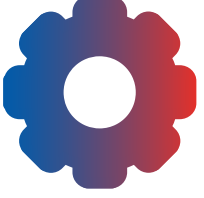
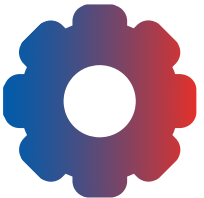
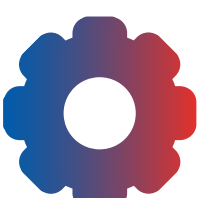


Use Cases







Pharmacy in Hospitals | Pharmacy in Retail

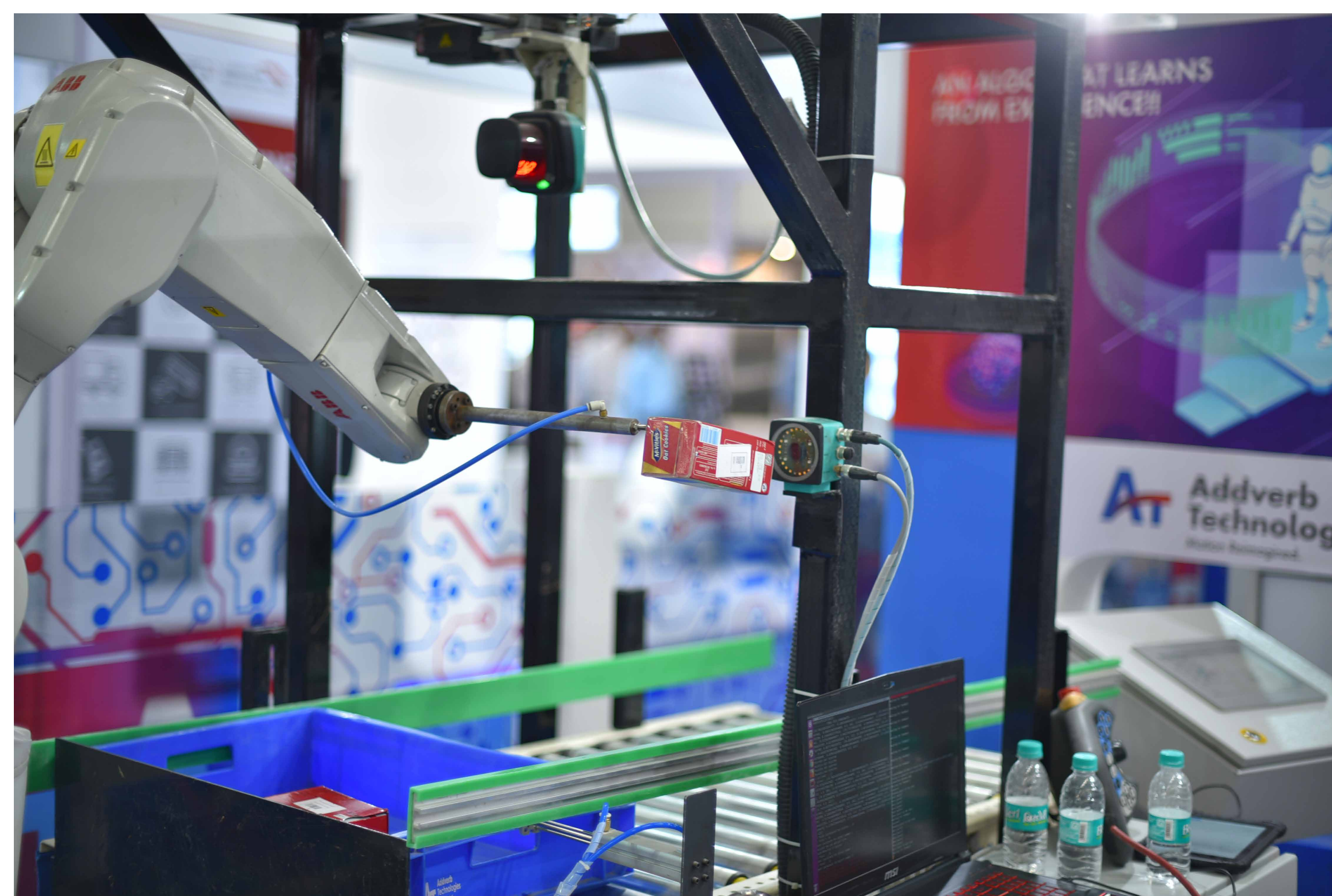
Laboratory automation reduces manual steps, such as aliquoting and manual order and results entry, thereby reducing misidentification error.

Features

-  **Specimen Labeling:** Equipped to read new high-density (QR) codes that can carry comprehensive information facilitating labelling.
-  **Sample Movement:** Robotic system can do several samples at a time and one arm can complete 5-6 cycles per minute.
-  **Traceability:** Through conveyor system, barcode, time stamp and Robotic pick and place, samples become easy to track.
-  **Intelligent:** Returns problem samples (e.g., misread bar code, missing work order, others) to priority lane for attention.

Benefits

-  **Greater efficiency:** Supports high-throughput workflow by driving the intelligent coordinated operation of automation components.
-  **Speed:** Enables rapid input and prioritization of samples.
-  **Safety:** Decreases risk of sample contamination by means of individual decapping process.
-  **Standardization:** Improve and standardize processes using value stream mapping and dimensional floor plan simulations to decrease non-value added activity.
-  **Error free:** Streamlined workflows and result management driven by rules-based informatics results in error free sample management.
-  **Saves time:** Saves 60% of the technicians' time spent on carrying samples across the lab.



LAB AUTOMATION

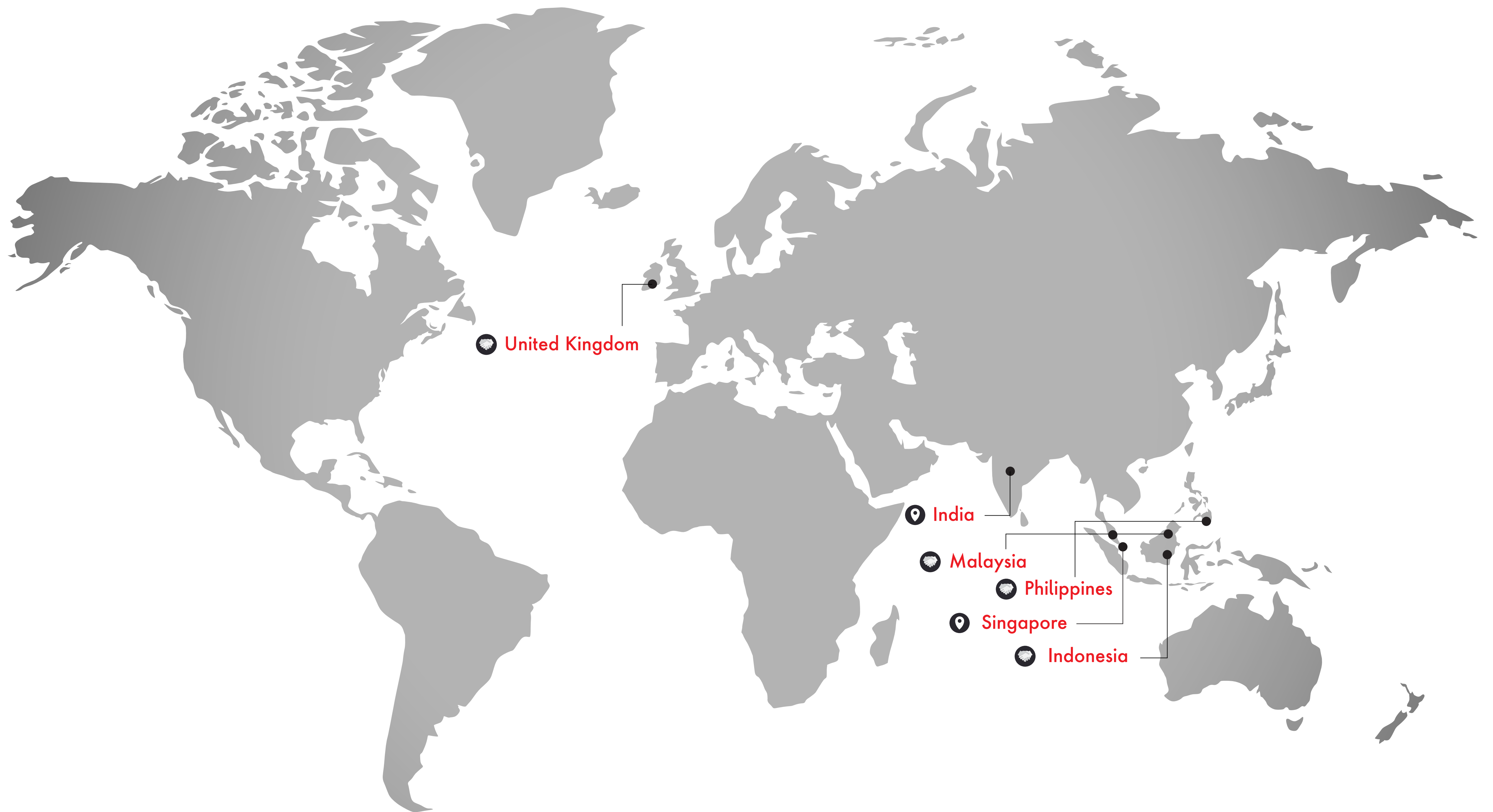
Moving samples error free



Use cases

Hospital Sample Labs | Private testing Labs | Hospital R & D Labs

Global Presence



Our Clients



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