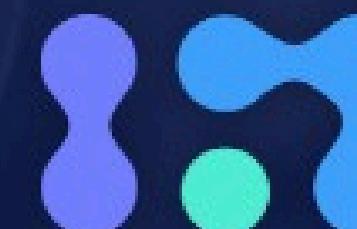


IOT SOLUTIONS

PVT LTD

~ Pioneering IoT to Reshape Global Interactions ~

 AV IOT
SOLUTIONS

ABOUT US

We are pioneers in delivering innovative IoT solutions that empower businesses. Our expert team combines extensive experience with a commitment to excellence, driving efficiency, enhancing productivity, and unlocking new growth opportunities. Discover how our tailored solutions can transform your business today.



TESTIMONIAL



IoT Solutions Pvt Ltd has a team of skilled engineers at the forefront of automation technologies. They excel in PLC programming, SCADA design, and integration with IoT and Industry 4.0 concepts, consistently demonstrating proficiency and innovation.

Uditha Meththananda



I highly recommend IOT Solutions for their exceptional expertise in automation solutions. With a proven track record of successful projects across various industries, they have consistently demonstrated a deep understanding of automation technologies and a commitment to delivering top-tier service.

Wikum Wijesinghe



IOT Solutions Pvt Ltd is a standout automation company that excels in delivering customized, scalable, and secure automation solutions. Their technical expertise, combined with a client-centric approach, makes them a top choice for businesses seeking to optimize their operations through automation.

Oshade Ranawaka



MEET OUR TEAM



Rachitha Muthukumarana
CEO
BSc.Eng(Hons) Mechanical Engineering -
University of Moratuwa
M.Eng - USA
Ph.D. - USA



Rashintha Welgama
Automation Engineer
BSc.Eng(Hons) Mechanical Engineering
(Mechatronics Specialisation) - SLIIT



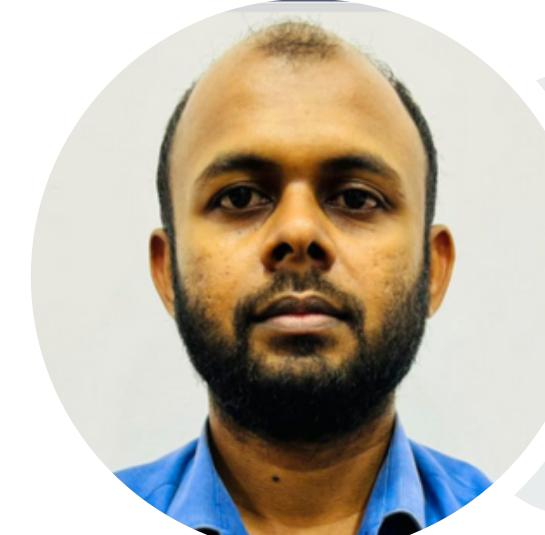
Nishal Dayarathna
Director
BSc.Eng(Hons) Electrical Engineering -
University of Moratuwa
MBA - University of Wales Trinity Saint David



Santhush Wijerathne
Automation Engineer
BSc.Eng(Hons) Mechanical Engineering
(Mechatronics Specialisation) - SLIIT

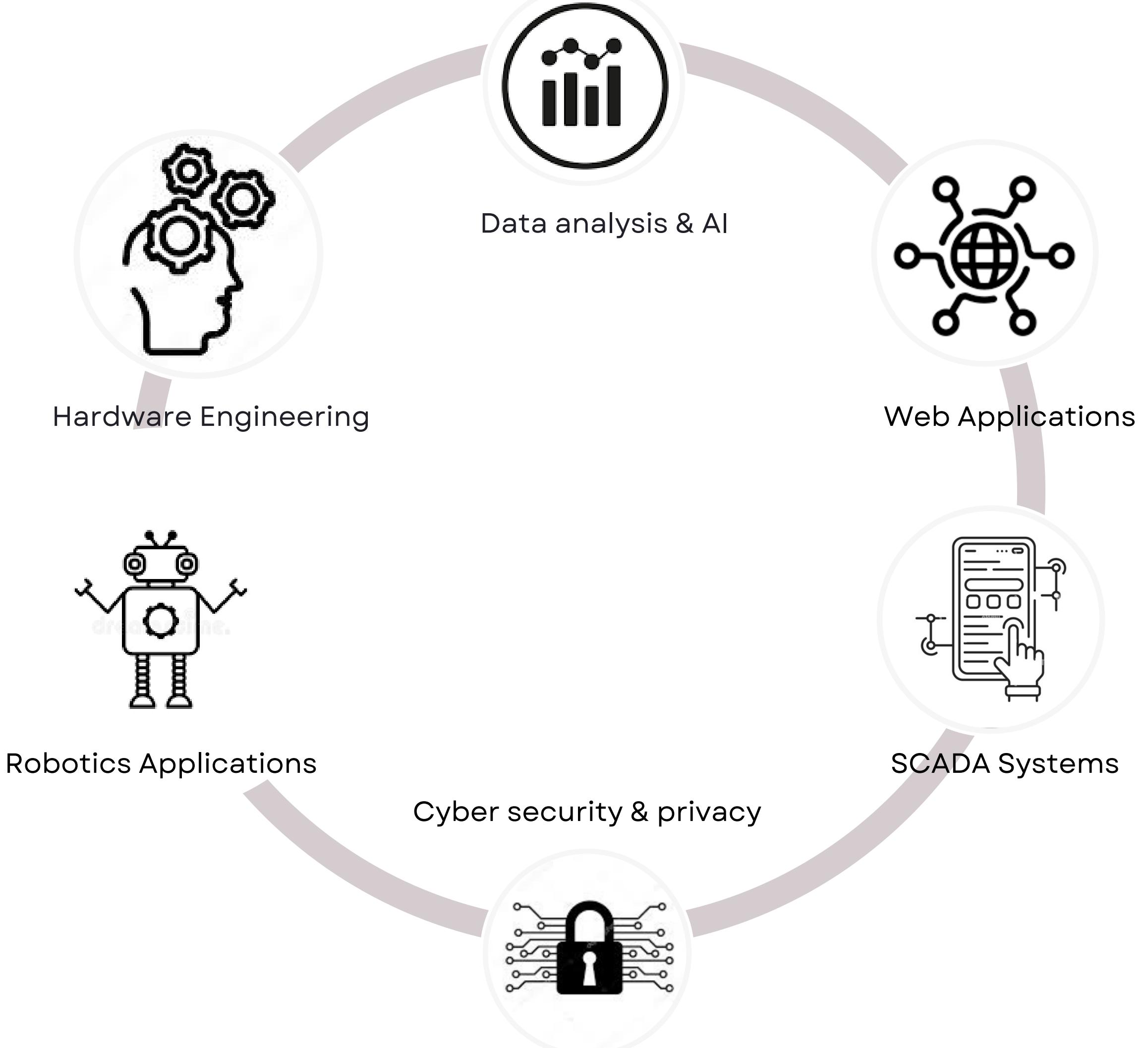
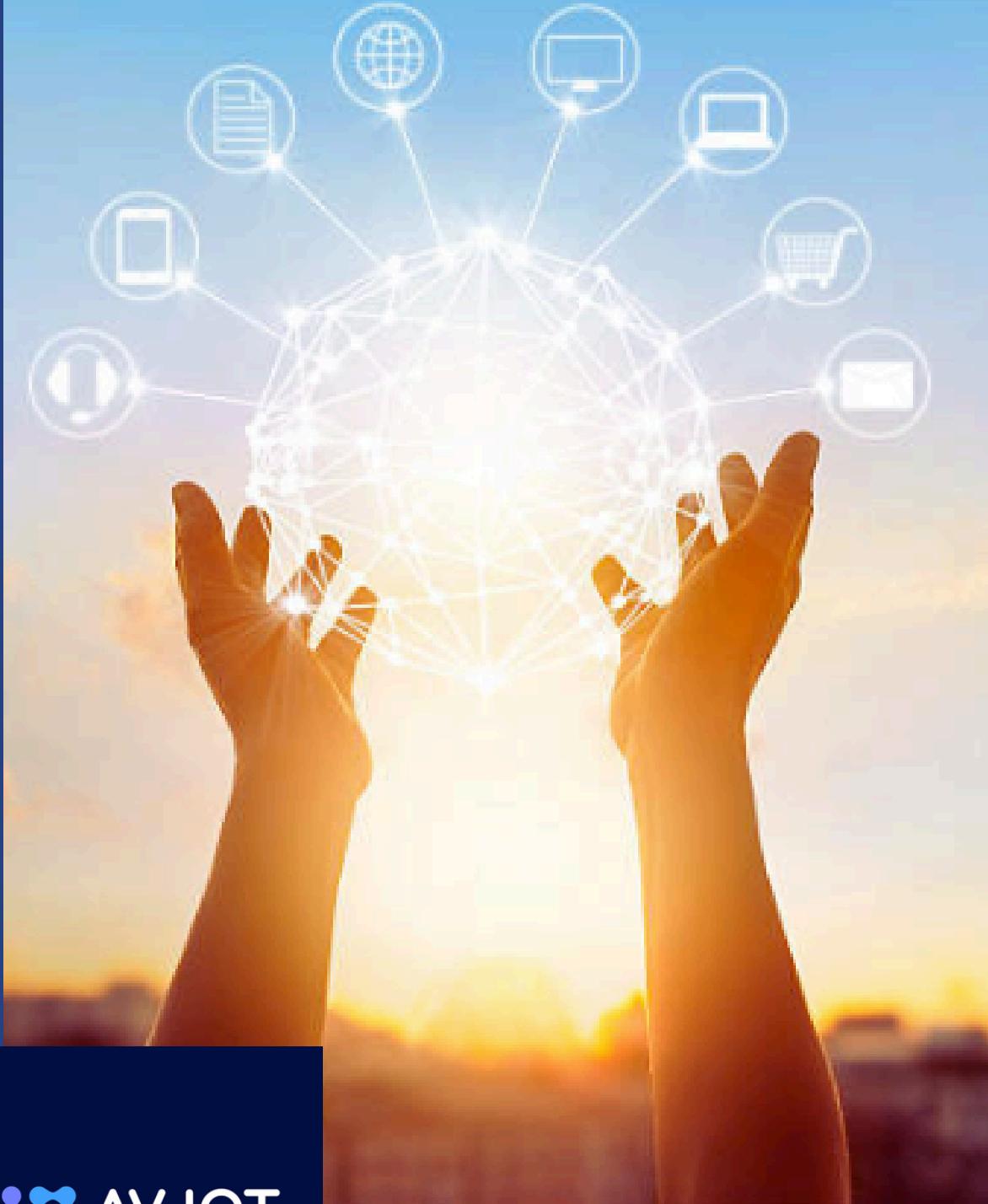


Nuwan Prasanna
Software Engineer BET(Hons) Mechatronics
Engineering Technology -
University of Sri Jayewardenepura



Chamara Yapharathne
Software Process Engineer
BSc. Textile and Apparel Engineering -
University of Moratuwa
Msc.IT and Strategic Innovation - Kingston
University, UK

WHAT WE OFFER YOU



WHY WOULD YOU CHOOSE US

Expertise

Benefit from our team's extensive experience and knowledge in developing IoT solutions, ensuring your project's success in capable hands.

Innovation

Stay ahead with our cutting-edge IoT solutions, leveraging the latest technologies and best practices to drive your business forward.

Reliability

Trust in our proven track record of delivering high-quality, reliable IoT solutions that exceed expectations and deliver tangible results for our clients.

Customization

We understand that every business is unique, which is why we offer tailored IoT solutions that are specifically designed to meet your individual needs and objectives.

Partnership

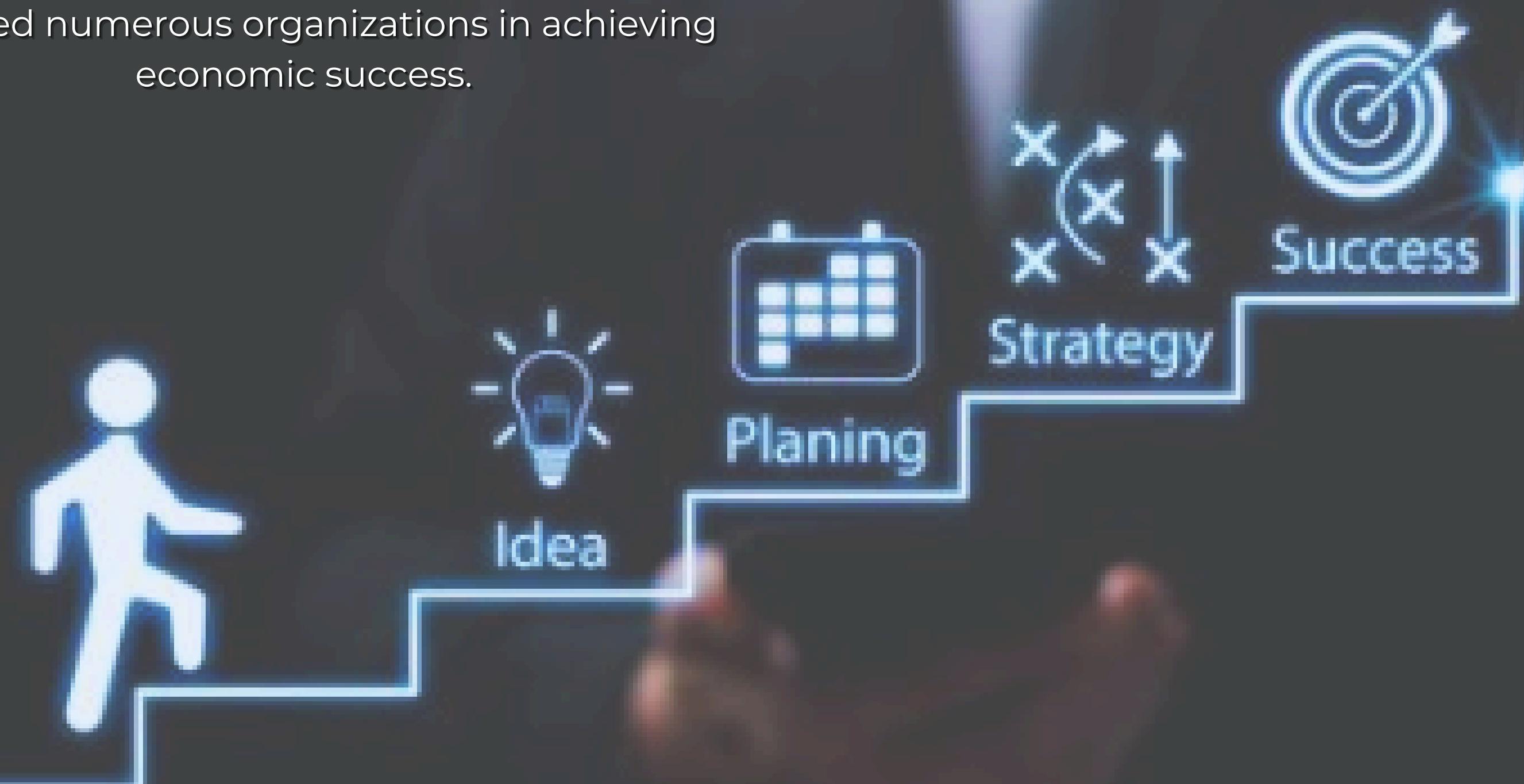
Choose us for our collaborative approach, mutual trust, shared goals, long-term commitment, and value creation, ensuring success in every partnership.

SOME OF OUR CLIENTS



FEW OF OUR OUR SUCCESS STORIES

We have developed top-notch IOT devices and assisted numerous organizations in achieving economic success.



OCR Project

IOT Dashboard

Recipe Management System

Cube Counting System

Coconut Counting System

Big Bag Project

2022

2023

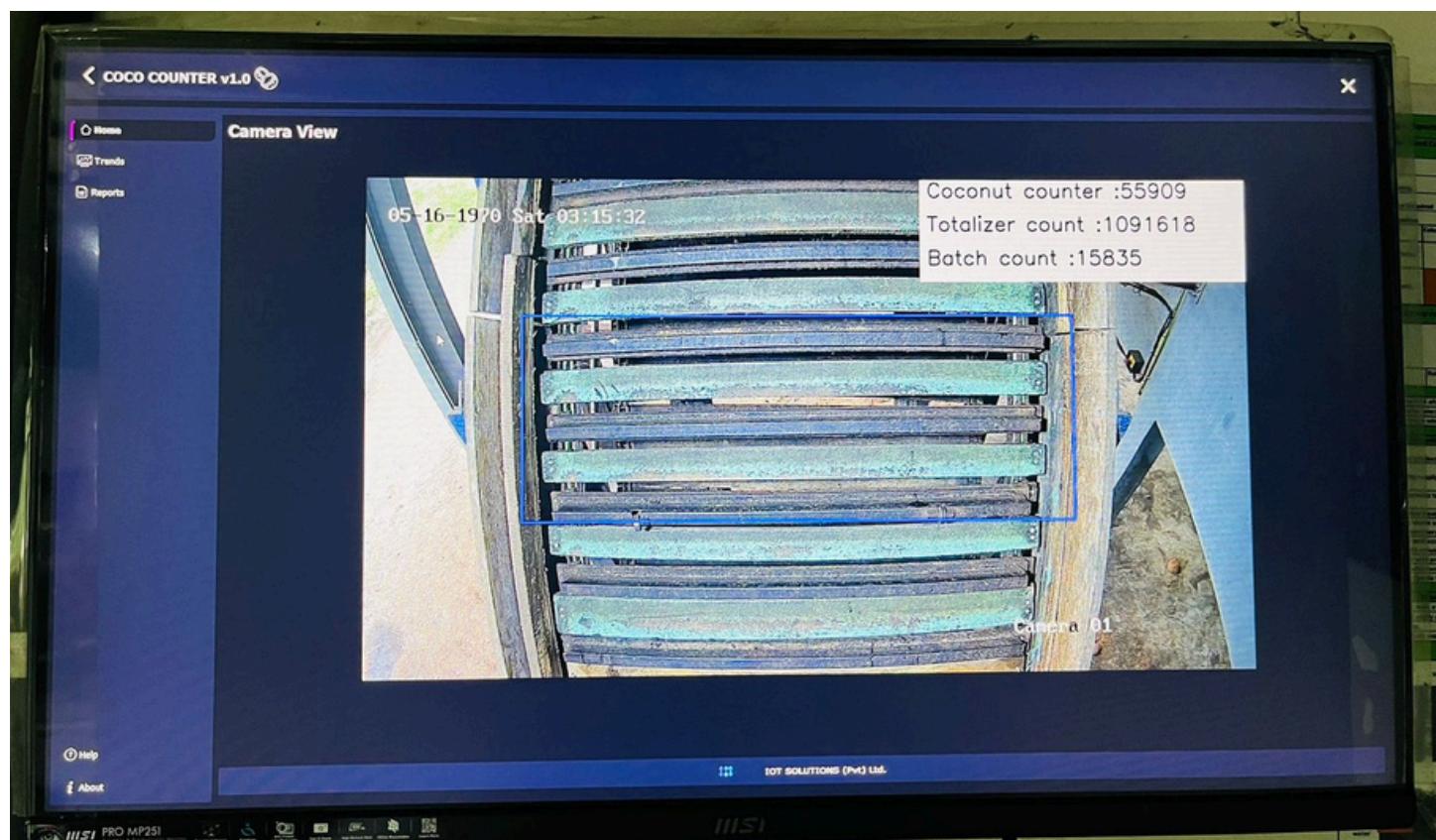
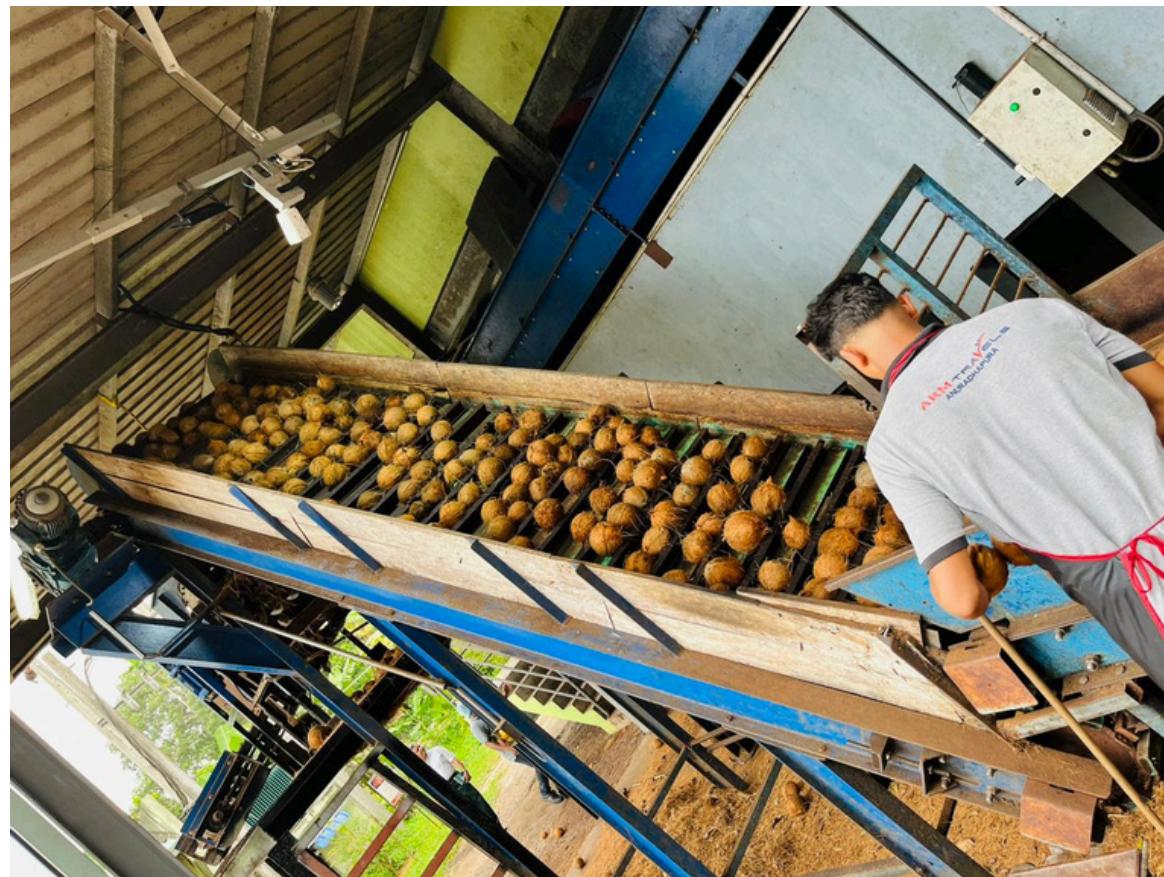
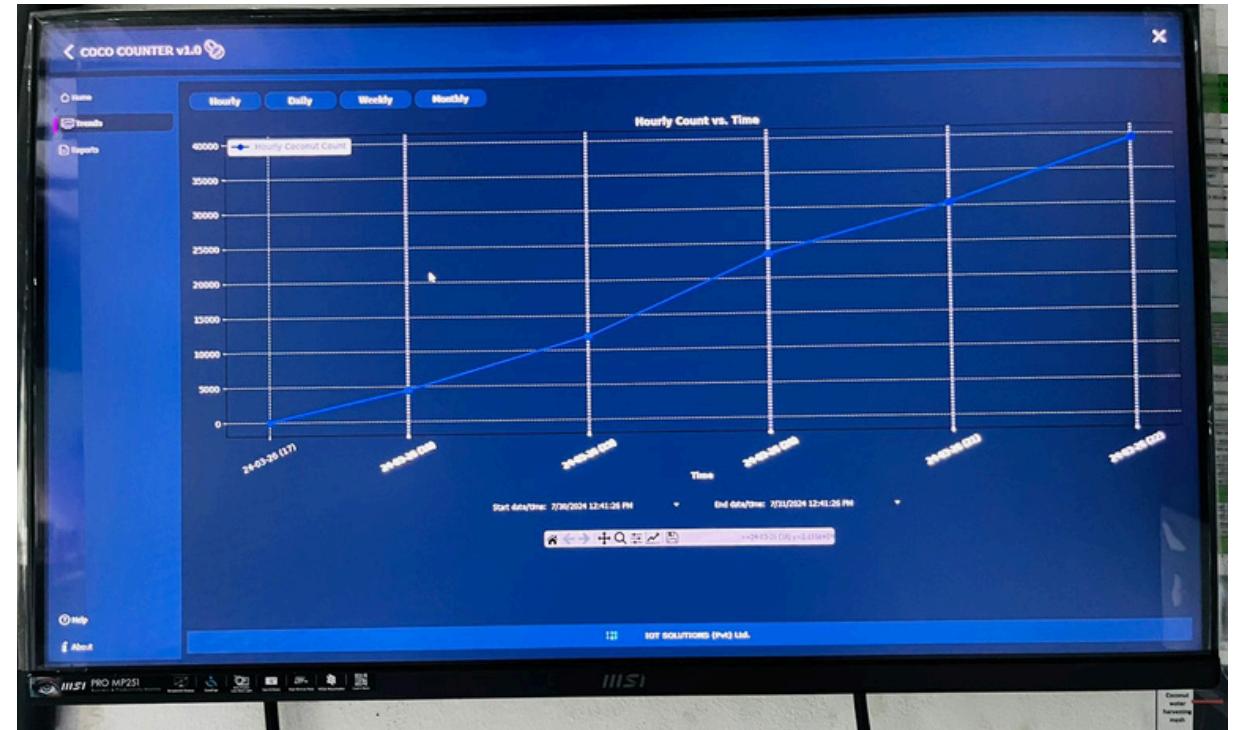
2024

COCONUT COUNTING SYSTEM

The Coco counter project was initiated upon the request from Adamjee Lukmanjee & Sons Ltd. to automate the counting of unloaded coconuts used for there production line as a measure to perform accurate calculations on there throughput while getting clear identification of their productivity. This project included image processing with machine learning, PLC programming and as well interface development together with database management.

The Coconut Counting System is an innovative project designed to automate the process of counting coconuts using advanced image processing and machine learning techniques. The project involved the development of both frontend and backend components using Python, the consumers were provided with facilities to obtain real time trends and reports producing ease of work. The core coconut identification task was handled by a custom trained YOLO (You Only Look Once), complemented by a custom-developed counting algorithm for getting the count. Every detected entity was highlighted and displayed on the video feed for the easy identification of users. An HMI was used to indicate the live count and as well the user was given the privilege to obtain a batch wise count without any disturbance to the real time count.

COCONUT COUNTING SYSTEM

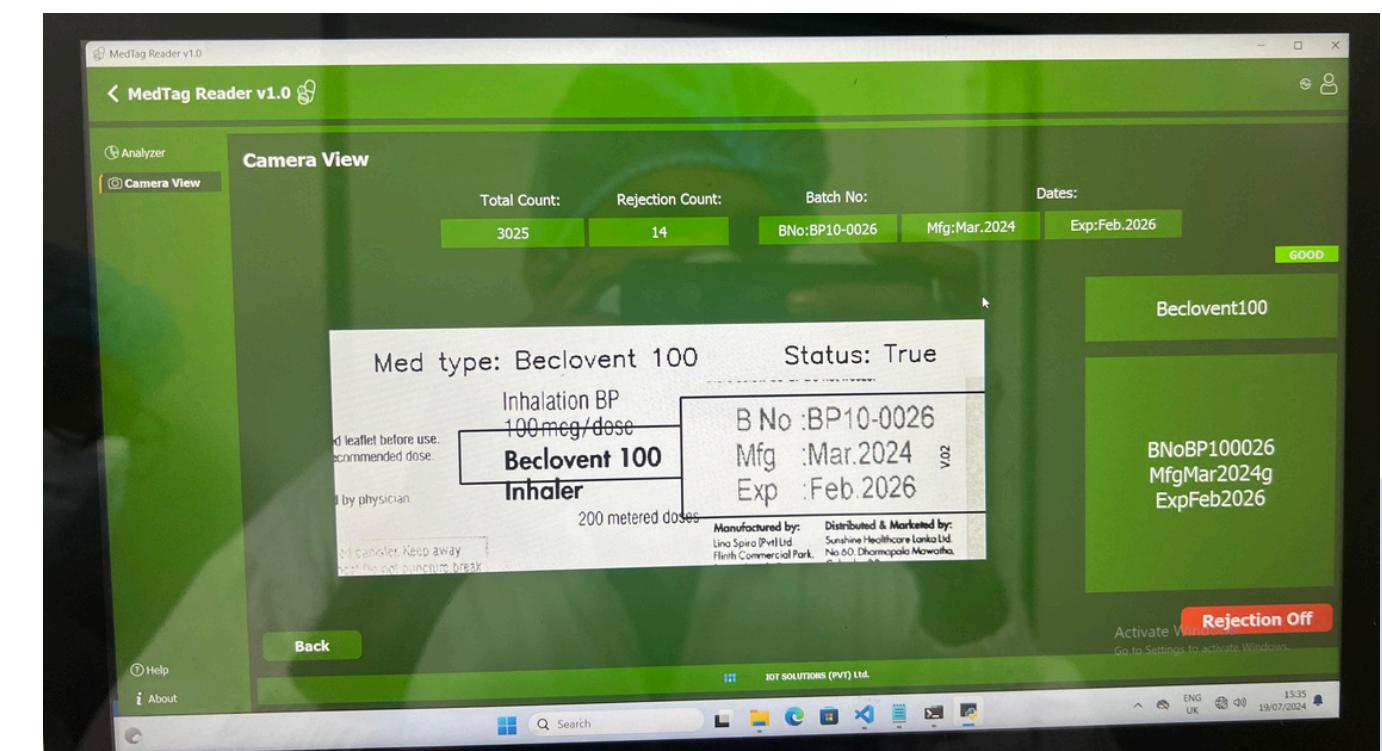
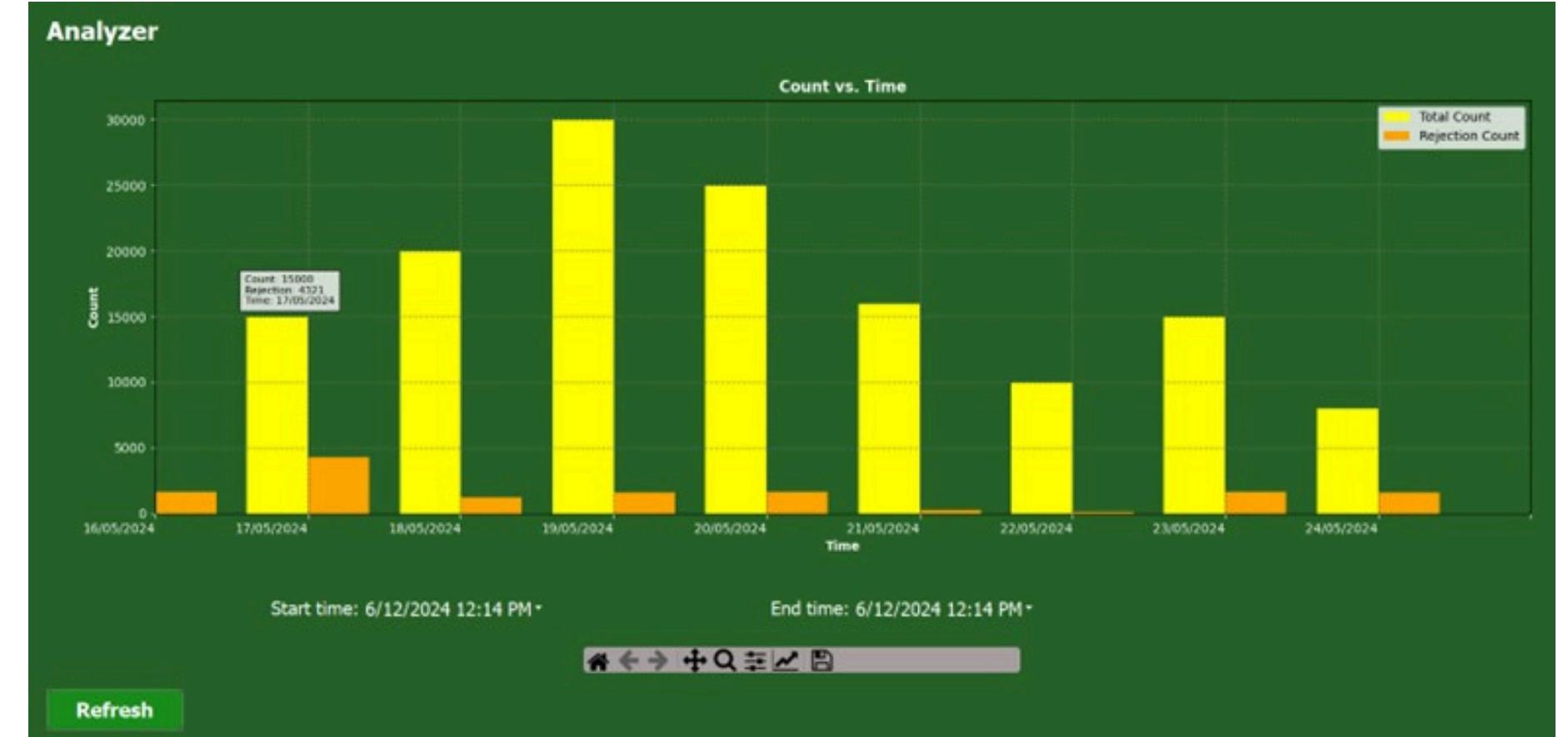


OCR PROJECT

We implemented an advanced label verification system for Lina Spiro to ensure the accuracy of printed labels on inhaler canisters. A high-resolution camera system was installed to inspect each label, integrated with image recognition software to verify compliance with required standards.

For correctly labeled canisters, an air valve directs a burst of air to push them onto the working line conveyor. In the event of a label error, the system automatically shuts off the air valve, preventing the defective canister from entering the working line. This system significantly improved Lina Spiro's quality control by reducing labeling errors and enhancing operational efficiency.

OCR PROJECT

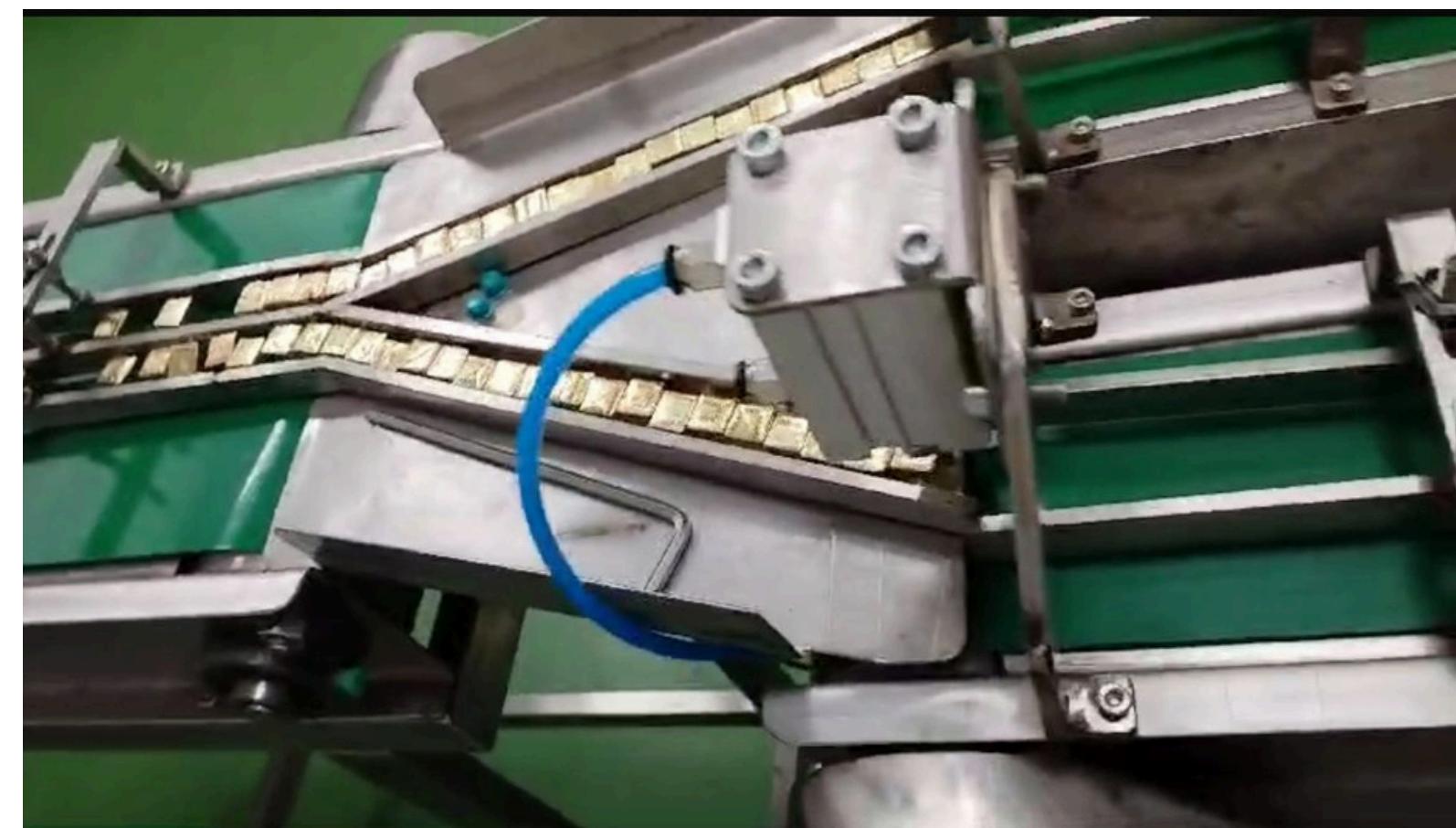


CUBE COUNTING SYSTEM

Project for Knorr: High-Efficiency Conveyor Sorting System

Our team developed a custom conveyor system for Knorr designed to efficiently process large batches of soup cubes. The system is engineered to sort the cubes into two separate containers, precisely matching the customer-specified quantities. Additionally, we ensured that the system met the required production speed, optimizing both performance and efficiency to align with Knorr's operational demands.

CUBE COUNTING SYSTEM



HS NOODLES MATURITY MONITORING SYSTEM (BIG BAG PROJECT)

The HS Noodles Maturity Monitoring System is designed to efficiently manage and monitor the maturity of noodles during production.

This system encompasses a range of functionalities, including user management, data entry, reporting tables, data export/import, and access control.

It allows users to input data through various channels, such as barcode scanner readings in serial format and manual data entry for selecting items.

These features enable streamlined data management, ensuring that the maturity of noodles is accurately tracked and reported, contributing to enhanced quality control in the production process.

HS NOODLES MATURITY MONITORING SYSTEM (BIG BAG PROJECT)

UNILEVER SRI LANKA HS NOODLES MATURITY MONITORING SYSTEM **sma (SM)**

HS-Noodles Bag Collection

DAY WEEK MONTH YEAR

	2	0	0	0	0	TOTAL 2
	2	0	0	0	0	TOTAL 2
	2	0	0	0	0	TOTAL 2

Logout

Powered By IoT Solutions Pvt Ltd.

Dashboard

UNILEVER SRI LANKA HS NOODLES MATURITY MONITORING SYSTEM **smo (SM)**

HS Noodles Bag Collection

Barcode

Selected date is from 01-01-2024 to 01-02-2024

ID	Barcode	Barcode Type	Pickup Time	In Stock / Cleared	Barcode Image	Barcode Details
1	SLP 2024-01-01 00:00:00	SLP	2024-01-02 00:00:00	In Stock		SLP 2024-01-01 00:00:00
2	SLY 2024-01-01 00:00:00	SLY	2024-01-02 00:00:00	In Stock		SLY 2024-01-01 00:00:00
3	SLW 2024-01-01 00:00:00	SLW	2024-01-02 00:00:00	In Stock		SLW 2024-01-01 00:00:00

Logout

Powered By IoT Solutions Pvt Ltd.

Home page for big bag feeder user

UNILEVER SRI LANKA HS NOODLES MATURITY MONITORING SYSTEM **sma (SM)**

HS Noodles Bag Collection

DAY WEEK MONTH YEAR

Product Type	T < 8hr (Immature) T1	Bhr < T < 720hr (Matured) T2	720hr < T < 744 hr. (Expired Alert)-T3	T > 744hr (Hot rework)-T4	Total
SLWT	0	1	0	0	1
SLYE	0	1	0	0	1
SLPP	0	1	0	0	1

Bypass Door Lock

ID	Door Code	Name	Open / Close
1	1234	door1	

Bar-Code Reading List

ALL	IN STOCK	CLEARED				
ID	Barcode	Noodle type	Pickup Time	Collector	Time Duration	In Stock / Cleared
3	SLP 2024-01-01 00:00:00	SLPP	2024-01-02 00:00:00	BBC A	20h 40min	In Stock
2	SLY 2024-01-01 00:00:00	SLYE	2024-01-02 00:00:00	BBC A	70h 43min	In Stock

Logout

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Home page (perspective of SM user)

A	B	C	D	E	F	G	H
1							
2	Date - 2023-12-28			Time - 17_32_20 PM			
3							
4	Product	T<8hr (Immature)	8hr<T<720hr	720hr<T<744hr	(Expired Alert)	(Hot rework)	Total
5	SLW	2	0	0	0	0	2
6	SLY	2	0	0	0	0	2
7	SLPn	3	0	0	0	0	3
8	WLW	3	0	0	0	0	3
9	WLG	1	0	0	0	0	1
10							
11	Total	11	0	0	0	0	11
12							
13							
14							
15							

Sample generated report

IOT DASHBOARD

IOT DASHBOARD

RECIPE MANAGEMENT SYSTEM

RECIPE MANAGEMENT SYSTEM

AUTOMATION SERVICE PROVIDER

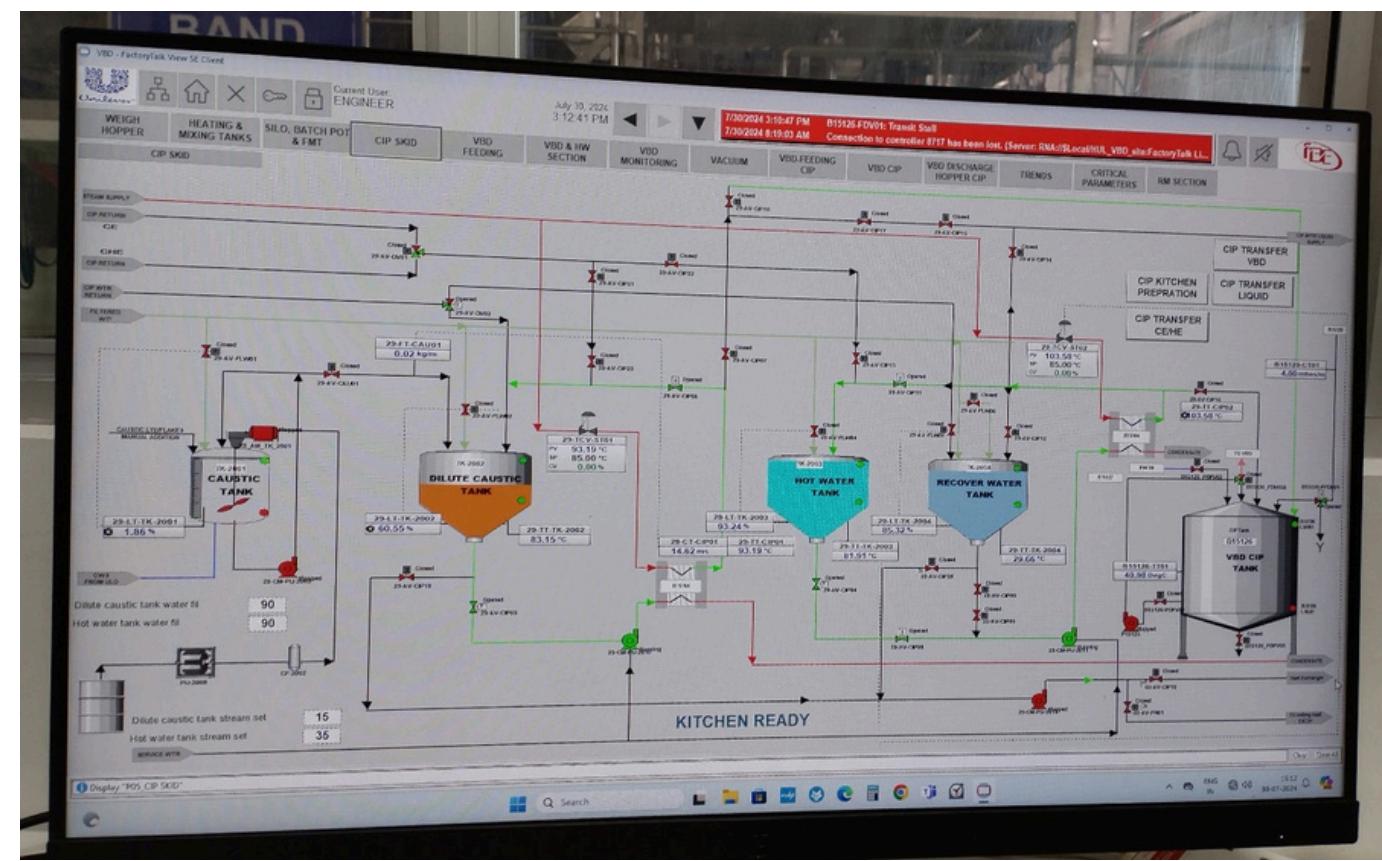
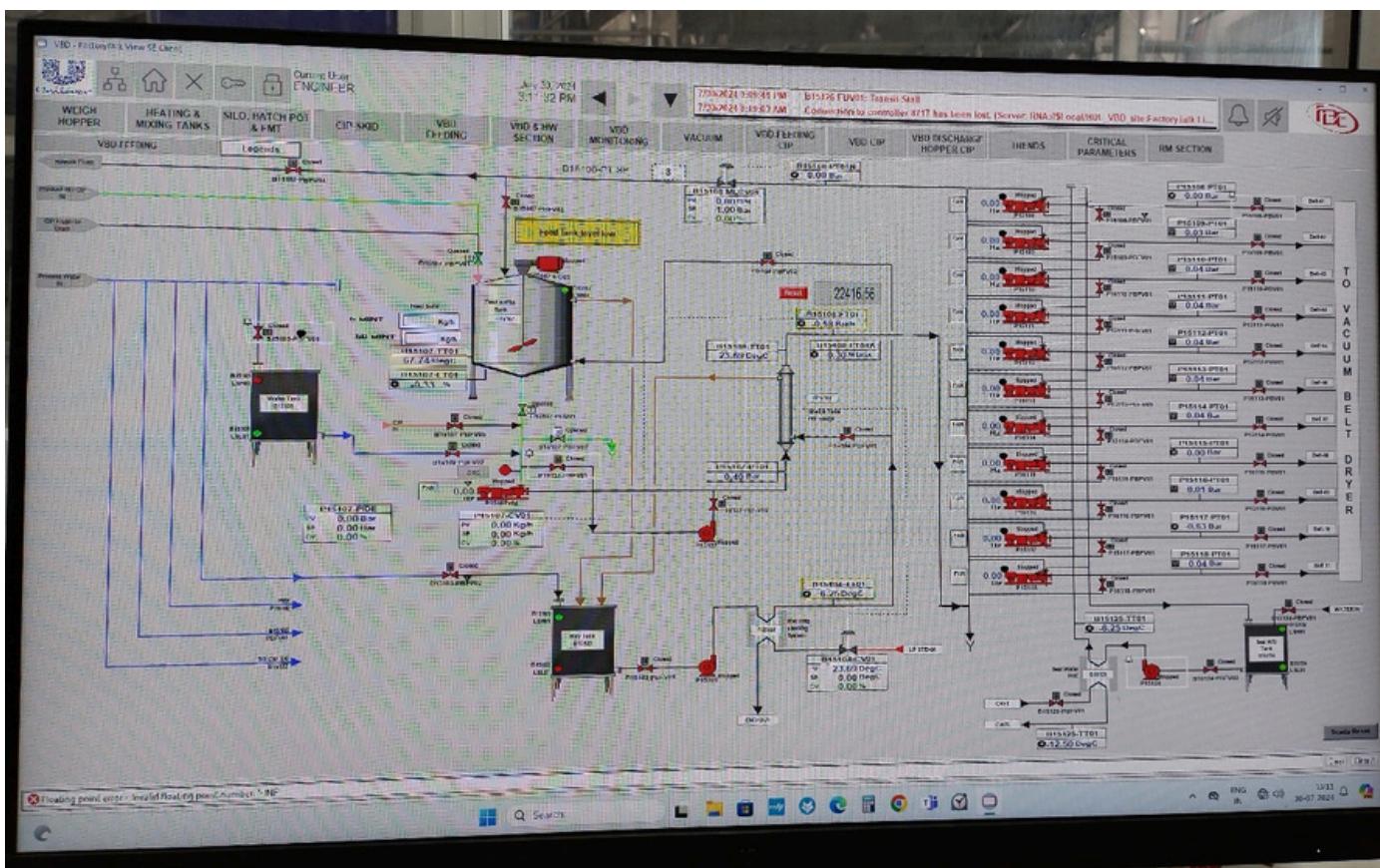
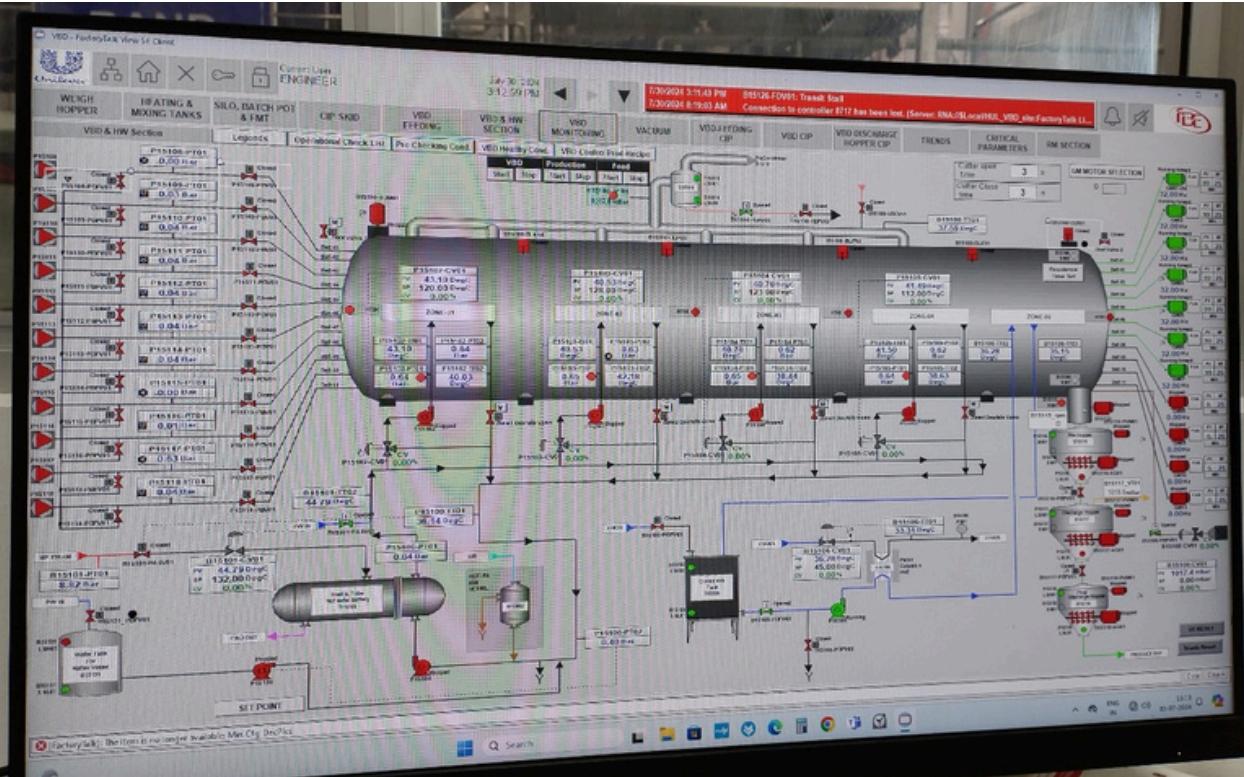
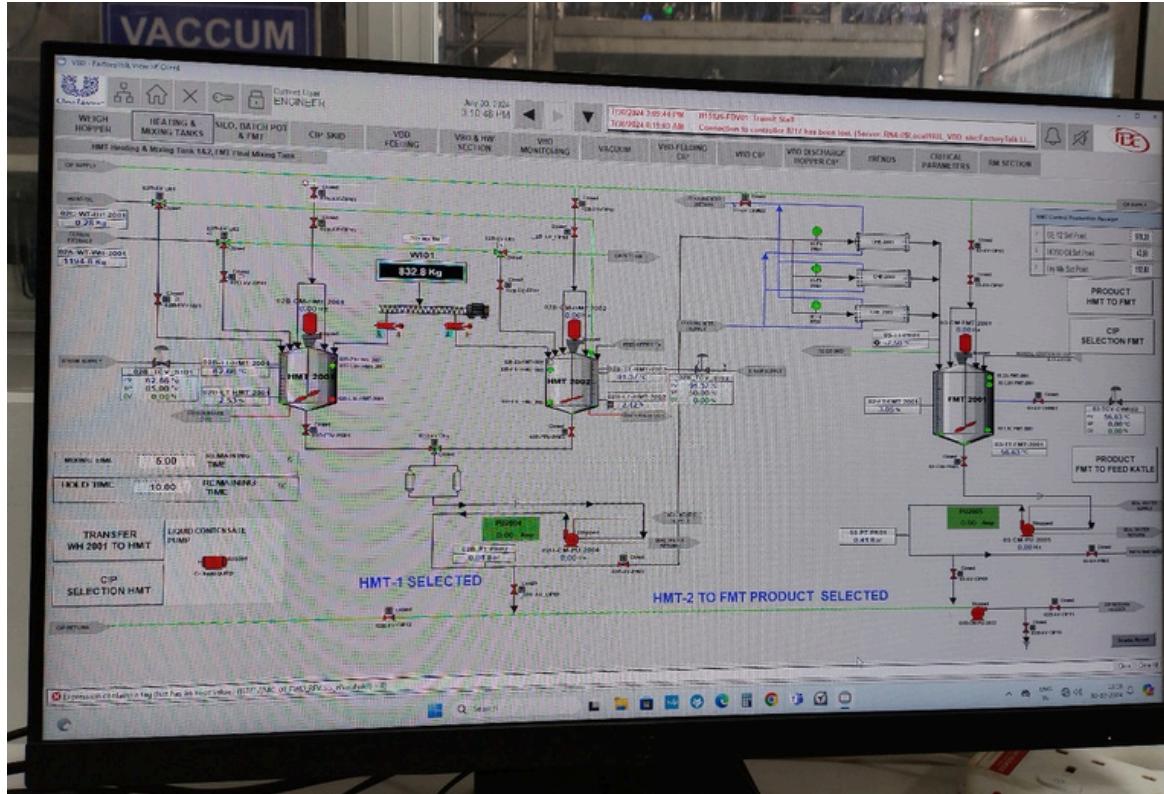


At our company, we specialize in offering comprehensive IT consultation services designed to ensure the smooth operation and recovery of your systems. Our expert team conducts thorough assessments to identify any issues or potential risks within your existing infrastructure. We then provide tailored recommendations and implement the necessary solutions to restore and enhance your systems' performance.

Whether you're facing unexpected downtime, security vulnerabilities, or simply need to optimize your operations, we are committed to delivering the highest level of service.

From hardware repairs and software updates to security enhancements and system optimizations, we handle every aspect of IT maintenance and recovery, allowing you to focus on what matters most—running your business.

AUTOMATION SERVICE PROVIDER





AV IOT SOLUTIONS



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~ Empowering Innovation Through Dynamic IoT Solutions ~

Empowering Innovation Through Dynamic IoT Solutions



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