



**MALAYSIA
MADANI**
daya cipta



KITA SELANGOR



Ahli Kumpulan UEM 

Lane Remote Function

ANUGERAH INOVASI NEGERI SELANGOR

JABATAN TOL DAN MEKANIKA, ELEKTRIK & ELEKTRONIK

PLUS BERHAD

TAHUN 2025



INTRODUCTION

BRIEF BACKGROUND OF SERVICE



A member of UEM XENOS



Projek Lebuhraya Usahasama Berhad

ASE	1	North-South Expressway
NKVE	2	New Klang Valley Expressway
SPDH	3	Seremban-Port Dickson Highway
		Length: 805.8km
LINKEDUA	4	Malaysia-Singapore Second Crossing
		Length: 47km
PB	5	Penang Bridge
		Length: 13.5km
ELITE	6	North-South Expressway Central Link
		Length: 63km
BKE	7	Butterworth-Kulim Expressway
		Length: 17km
		Total Length: 986.3km

27 June 1986 - Known as Highway Concessionaires Berhad

13 May 1988 - Renamed to **Projek Lebuhraya Utara-Selatan Berhad (PLUS)** and was completed 15 months earlier than expected construction date

29 November 2010 - incorporated as **PLUS Malaysia Berhad (PMB)** and involved in investment holdings

PMB is the holder of Projek Lebuhraya Usahasama Berhad (TRUS), TERAS Teknologi Sdn Bhd ("TERAS"), Terra PLUS Sdn Bhd, and Zoom Interactive Sdn Bhd

Projek Lebuhraya Usahasama Berhad (PLUS), a wholly-owned subsidiary of PMB, was incorporated on 27 July 2011 with the aim of consolidating all highway concessions under PMB (except LPT2) into a single entity. This consolidation was finalized on 12 January 2012.

With this consolidation, PMB became the largest toll highway operator in Malaysia and one of the largest in Southeast Asia, as well as the eighth largest in the world and with over 20 years of experience in operation and maintenance, now preparing for the future as a modern highway toward the era ahead.

Khazanah Nasional Berhad

UEM Group Berhad

Employees Provident Fund

Projek Lebuhraya Usahasama Berhad

Terra Plus Sdn Bhd

Zoom Interactive Sdn Bhd

TERAS Teknologi Sdn Bhd

TERAS Control Systems Sdn Bhd

Projek Lebuhraya Utara-Selatan Berhad

Linkendua Malaysia Berhad

Expressway Lingkaran Tengah Sdn Bhd

Penang Bridge Sdn Bhd

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INTRODUCTION

BRIEF BACKGROUND OF SERVICE



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PLUS SENIOR LEADERSHIP



Datuk Nik Airina Nik Jaffar
Managing Director,
PLUS Malaysia Berhad

 Operation Oversees PLUS' daily operations, including operational functions, health and safety, maintenance of highway assets, and ensures execution of sustainability initiatives	 Financial Manages PLUS' financial strategies and operations to meet obligations as the largest rated sukuk issuer, ensuring long-term sustainability and investor returns	 Human Resource Leads PLUS' talent management and industrial relations, ensuring a capable workforce for sustainability initiatives, and overseeing all PLUS members
 Technology & Innovation Oversees and leads the development, implementation, and operation of technological ecosystems within PLUS	 Governance, Risk & Compliance Tasked with leading the Programme Management Office, overseeing PLUS' sustainability strategy, and coordinating sustainability practices	 Commercial Implements PLUS' commercial and customer strategies with a focus on customer-centric sustainability practices and partnerships with businesses and organisations

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INTRODUCTION

BACKGROUND OF PROJECT TEAM



Team profile background – Team Portfolio, Logo & Motto

The circle symbolizes the association formed by individuals with diverse qualities and expertise, working together as a team to successfully achieve clear objectives

Blue (Alliance) represent vitality for the company and its future
Grey represents balance of productivity with serenity
Dark Purple – represents power, strength and endurance
Indigo (Together we define) – represent wisdom and creativity



The Xeno5 Team is a dynamic collective of creative professionals, innovators, and technical experts dedicated to crafting forward-thinking project and design solutions. The Xeno5 logo is a testament to our team's collaborative effort and creative synergy, highlighting our values of innovation, diversity, and precision

"Empowered By Innovation"

Collaboration and working towards a common goal promotes creativity and learning by optimizing shared knowledge and broadening skill sets.

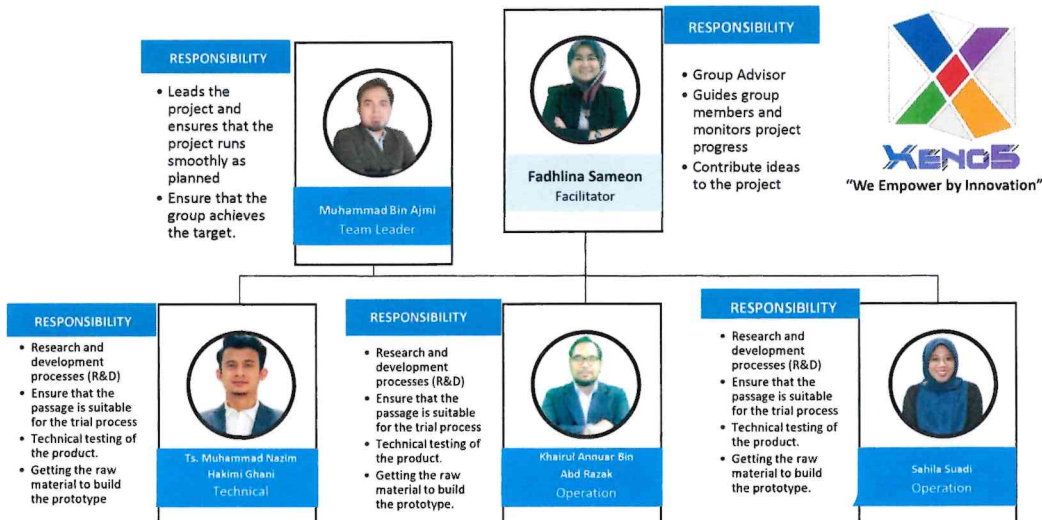
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INTRODUCTION

BACKGROUND OF PROJECT TEAM



Team Structure



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EXPLANATION OF PROJECT OUTCOME/RESULT

SUMMARY OF PROJECT INNOVATION

Explanation of Innovation Product Creation

Project Briefing

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Lane Remote Function

The Explanation..

→

The objective of the Project Innovation

To minimize toll fare manipulation incidents and reduce operational expenditure by automating enforcement and verification processes at toll plazas

→

Project Methodology

Leveraging ALPR (Automatic License Plate Recognition) technology to capture and compare vehicle entry images with those recorded at exit lanes, ensuring vehicle identity consistency and detecting potential toll manipulation

→

Technology adoption

Deployment of ALPR (Automatic License Plate Recognition) systems as a proactive enforcement tool to detect, verify, and act on toll fare manipulation attempts in real time

→

Project Location

Initial pilot testing was conducted at Bertam and Sungai Dua toll plazas. Following the success of the pilot testing, the system has been progressively implemented at all toll lanes throughout the northern and southern regions.

→

Project Implementation

The project was officially implemented in March 2023, with phased deployment across all toll plazas to ensure smooth integration and operational efficiency

→

Result

This innovation strengthens the toll management ecosystem by enabling faster verification, efficient monitoring, and safeguarding toll revenue against manipulation attempts.

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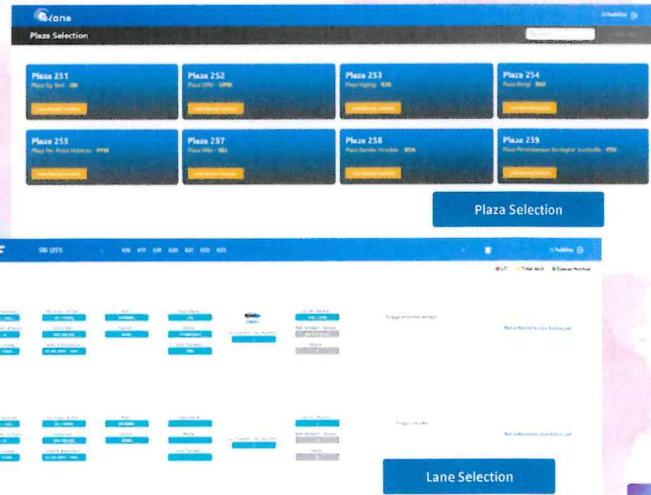
EXPLANATION OF PROJECT OUTCOME/RESULT

SUMMARY OF PROJECT INNOVATION

LANE REMOTE FUNCTION "LRF"



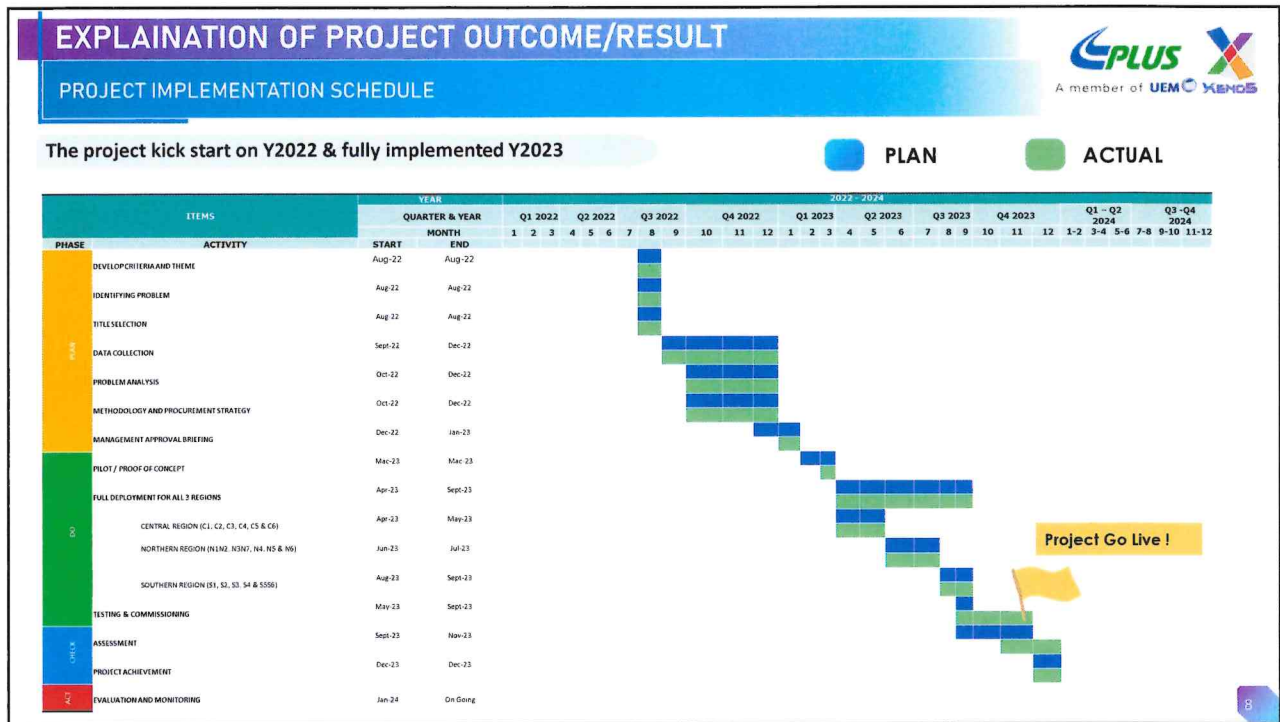
Homepage



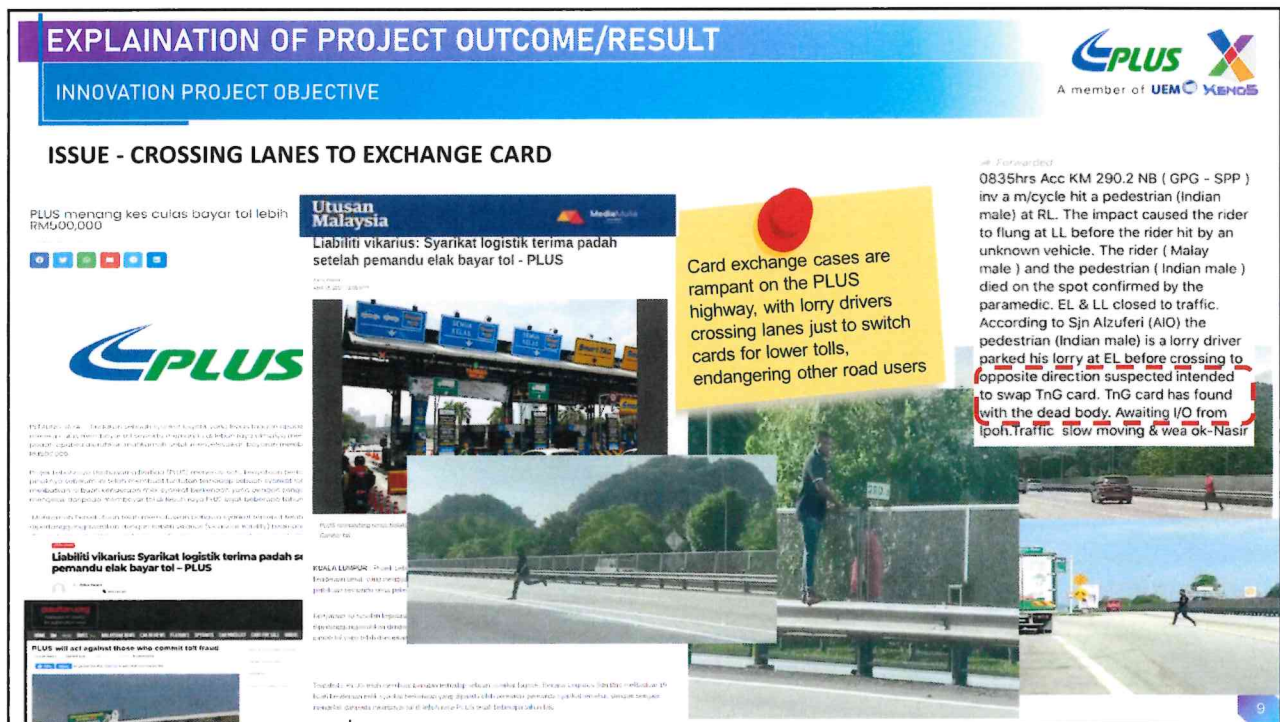
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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION PROJECT OBJECTIVE

CURRENT SITUATION : MANUAL CCTV VERIFICATION PROCESS

TRX NO	NCSH_MFGNO	NCSH_ENTRYPLAZA	NCSH_ENTRYDATE	NCSH_ENTRYLANENO	NCSH_ENTRYCLASS	NCSH_PLAZANO	NCSH_TRXDATE	NCSH_LANENO	NCSH_EXITCLASS	NCSH_JOBNO	NCSH_OPERDATE
1	1686538959	322	11/21/2021 21:35	1	2	321	11/21/2021 5:43	K10	2	9	11/21/2021
2	4162950191	321	11/20/2021 21:52	1	2	322	11/21/2021 5:36	K11	2	8	11/20/2021
3	1680990351	322	11/21/2021 3:44	1	3	323	11/21/2021 22:44	K07	3	7	11/21/2021

Transaksi no	Idg No	Camcorder Location Manual	Plaza & Jalan Location Manual	Plat Location Manual	Camcorder Location Kamera	Plaza & Jalan Location Kamera	Plat Location Kamera	Transaksi / GID/REKOR/KLASIFIKASI/TRANSKRIPSI/ASSET/DAFTAR/ANALISIS
1	K00000000		AKH K10 2			AKH K10 2		TERUKAI KAD
2	4162950191		SAT K10 2			AKH K10 2		TERUKAI KAD
3	K00000000		AKH K10 3			AKH K10 3		TERUKAI KAD

* Hide the plate number detail due to Privacy Concern.

The manual process of reviewing CCTV footage involves careful eyeballing, and tedious checking, which can take a lot of time

Step 1: Identify LIT hot stretches by each region

Step 2: Extract transactions LIT on the identified hot stretches

Step 3: Manual CCTV verification to search entry and exit image

Step 4: Compile the data as an evidence during operation exercise at ground

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION PROJECT OBJECTIVE

Current Data Analysis

DATA OVERVIEW

TOTAL TOLL MANIPULATION CASES

YEAR	DATA TOLL MANIPULATION
2019	2,882,752
2020	2,551,464
2021	2,146,701
2022	2,593,580
Total	10,174,497

DATA MANIPULATION

DATA ANALYSIS

To achieve 85% reduction of Toll Manipulation Cases

TARGET FOR REDUCING THE NO. OF TOLL MANIPULATION CASES

2,543,624

Before

85%

Target

Total Manipulation Annual Avg Cases

2,543,624

Total Manipulation Cases (2019-2022)

10,174,497

Total Revenue Leakage (2019 to 2022)

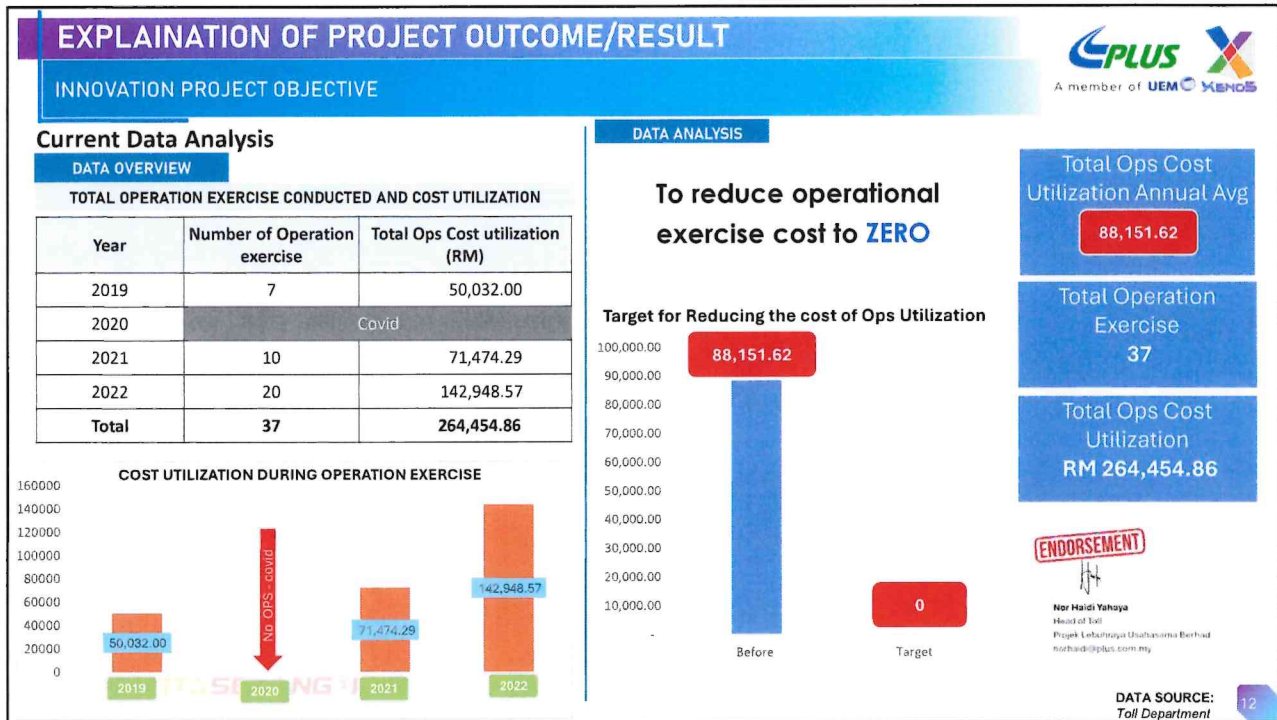
RM 633,008,164.92

ENDORSEMENT

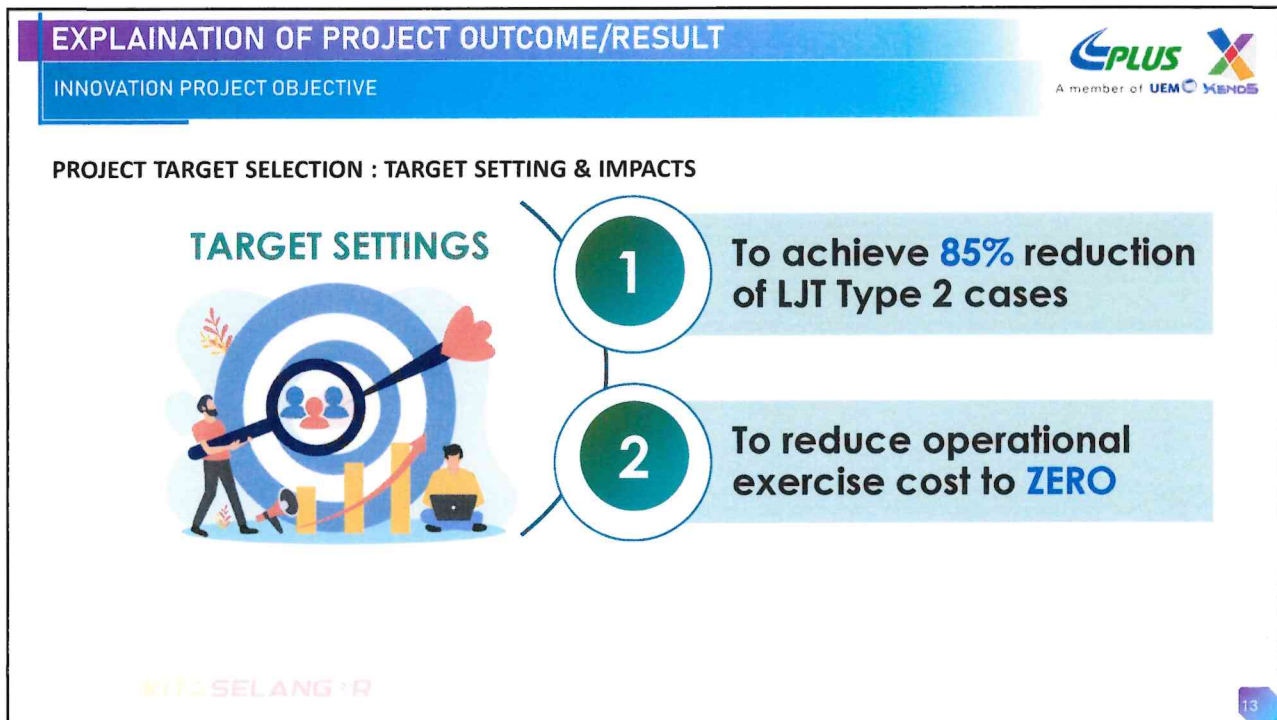
Nor Haidi Yahaya
Head of Toll
Projek Lebuhraya Usahasama Berhad
norhaidi@plus.com.my

DATA SOURCE:
Toll Department

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION PROJECT OBJECTIVE

FINAL CREATIVE SOLUTION SELECTION BASED ON PROBLEM STATEMENT

INPUT

Problem Statement & Main Causes

- The process involves **tedious checking**, which can take a lot of time and be challenging because need to verify every detail
- Contactless Smart card is **easy to purchase**, available at numerous convenience stores and online, making it simple to obtain.
- The manual process of reviewing CCTV footage involves careful **eyeballing**, requiring meticulous attention to detail and a significant investment of time
- The **unavailability of the LJT parameter** makes it difficult to identify and define fraud cases

Most Practical Solutions

- To automate the LJT parameter by **separating LJT Type 1 and LJT Type 2**
- To use Automated **Video Analytics Software**, which uses machine learning to analyze video footage

TOOLS & TECHNIQUES

Decision Making Process

- Brainstorming
- Market Research
- Desktop Studies

OUTPUT

Final Creative Solution

Develop a system that **detects vehicles from the entry point until the exit point**

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS

Existing technologies used to detect vehicles

1 VIDEO ANALYTIC

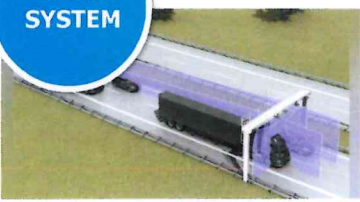


Using video to identify vehicles information based on vehicle plate number.

Detection of Vehicle



2 LiDAR SYSTEM



This technology uses laser scanning to create detailed 3D representations of vehicles

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS

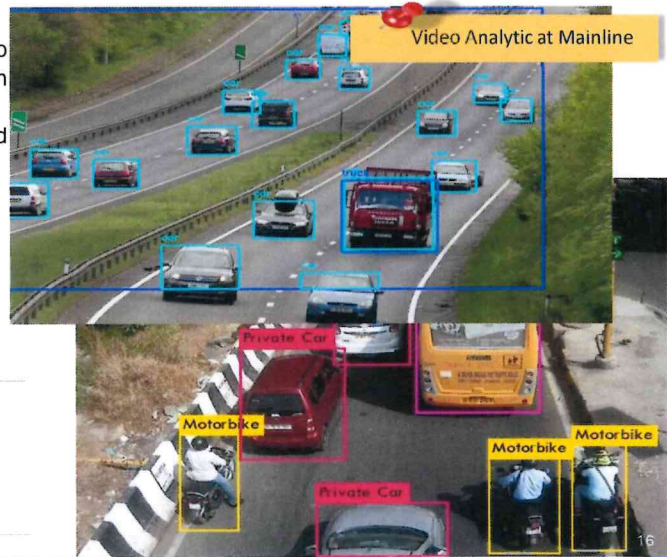
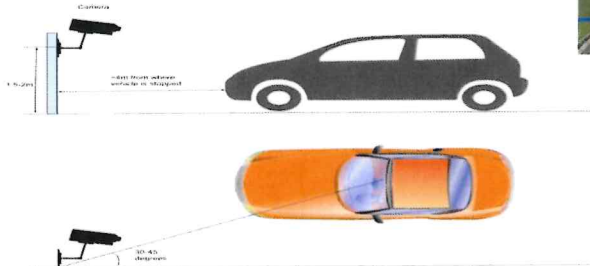


1 VIDEO ANALYTIC (Mainline / Toll Plaza) : Using video to identify actual vehicles based on license plates

- ❑ Digital video technology that integrates video analytics software to generate data and information from each video frame
- ❑ The capabilities of video analysis include advanced image recognition processing using machine learning

Video Analytic at Toll Plaza

VA C&C- CAMERA ANGLE & DISTANCE FROM LANE



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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS

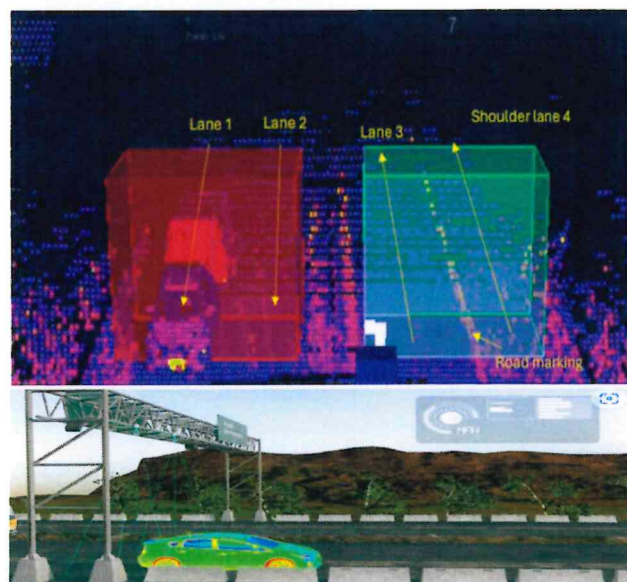


2 LiDAR SYSTEM : Light Detection and Ranging

- ❑ LiDAR provides accurate and reliable vehicle detection and classification, ensuring precise tracking from the moment a vehicle enters the toll zone until it exits.
- ❑ LiDAR (Light Detection and Ranging) technology plays a significant role in enhancing operations within the toll industry

Functionality: LiDAR systems can accurately detect and classify vehicles based on their size and shape as they approach toll booths.

Benefits: This enables precise tolling based on vehicle type, ensuring that charges reflect the actual vehicle category (e.g., cars, trucks, buses).



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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



Comparison on technology to detect vehicle

COMPARISON	VIDEO ANALYTIC	LIDAR SYATEM
Vehicle Profile	Able	Able
Detect Registration Number	Able	Not Able
Hardware Readiness	Utilize Existing	New Installation
Cost-Effectiveness	Yes	No
Time Consume	Low	High
Wide Availability	Yes	No
Detailed Contextual Information	Yes	No
Real-Time Processing	Yes	Yes
RESULT	✓	✗

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS

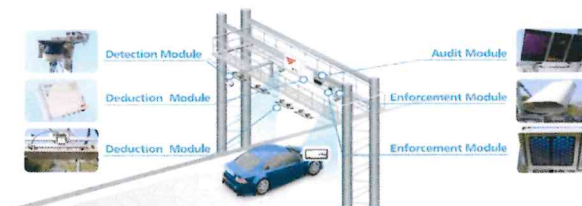


FINAL CREATIVE SOLUTION : BENCHMARK FROM OTHER INDUSTRIES

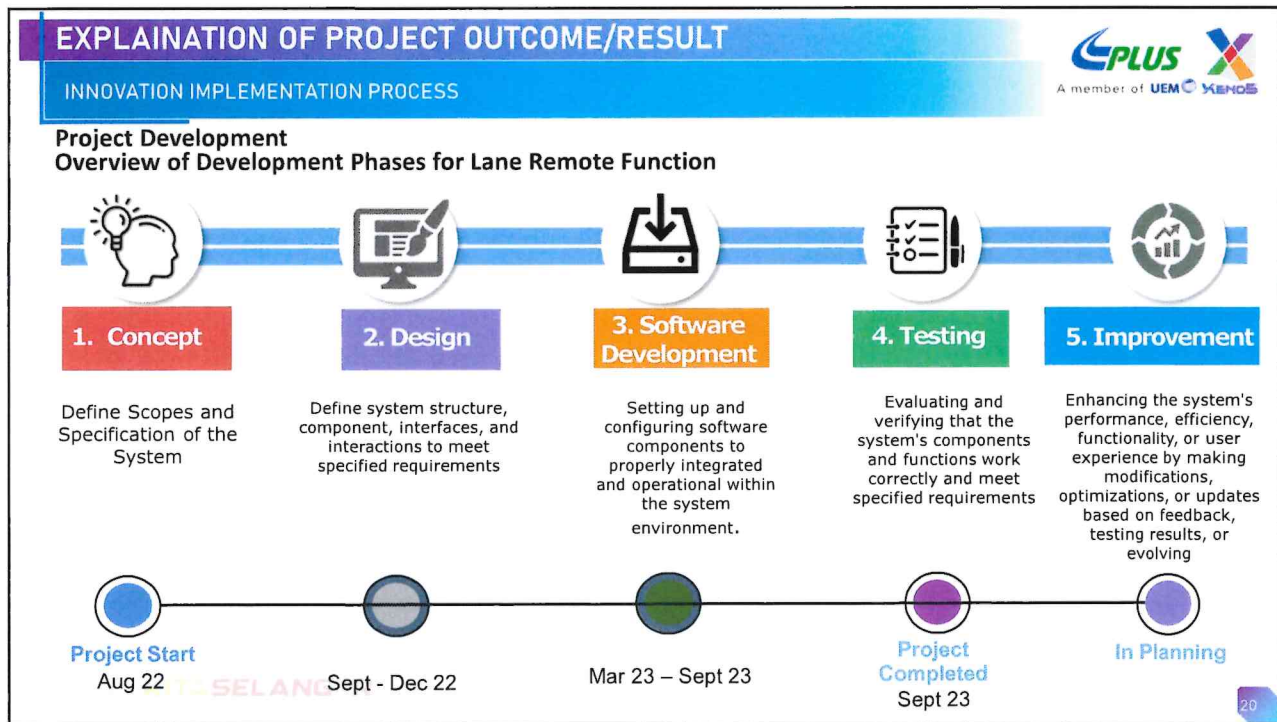
- Brazil implements the RFID system that is paired with an ALB system.
- However, ALPR is optional and not mandated by the government for implementation across all highways.
- Currently the system processes **0.88mil daily RFID traffic**.



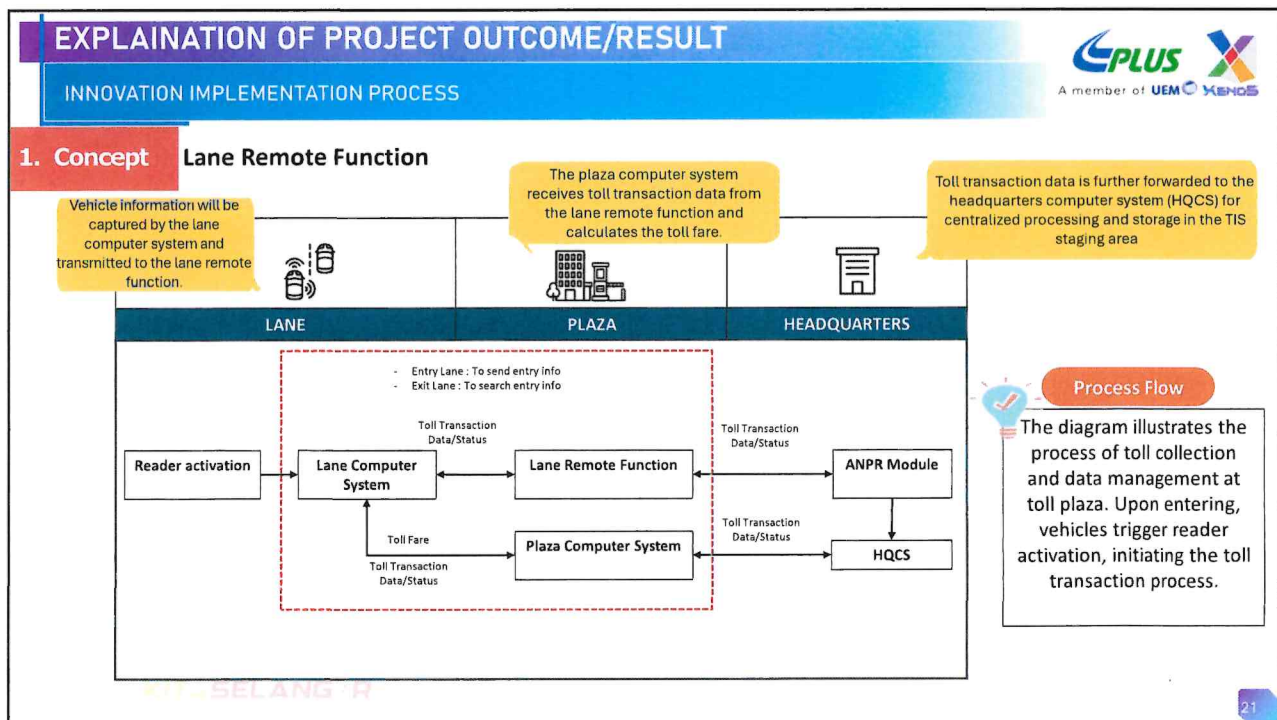
- Taiwan deployed an ALPR system as part of its National ETC toll system. The ALPR (Automated License Plate Recognition) camera is paired with an RFID Tag known as E-Tag
- Currently the system processes about **14mil transactions** daily from Taiwan's traffic.



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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



1. Concept

Conceptual Diagram

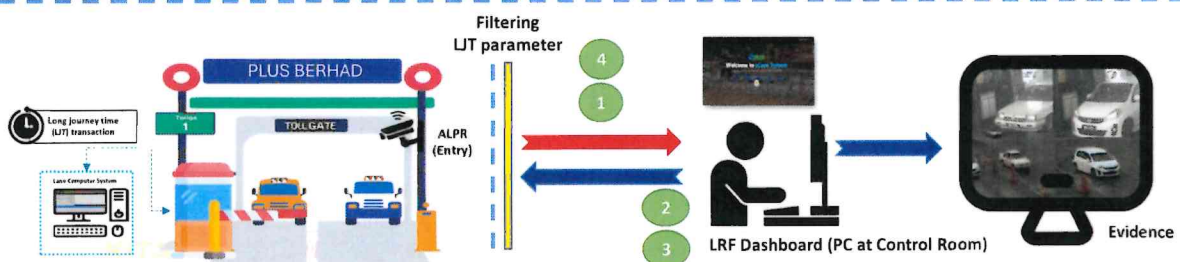
Definition Long Journey Time (LJT) : The time travelled between entry and exit plazas that exceeds the maximum allowable time (but <20 hours)

1. **LJT Type 1** : Exceeding the LJT parameter with a valid reason – no penalty

* Date, Time, Plaza Entry, Lane Entry, Journey Time

2. **LJT Type 2** : Exceeding the LJT parameter without valid reason – penalty charge is imposed

- 1 LJT Event Pop-up at LRF Dashboard Exit Plaza
* Date, Time, Plaza Entry, Lane Entry, Journey Time
- 2 Supervisor will manually **search entry image** from LRF dashboard (Image retrieve from ALPR captured at Entry)
- 3 Supervisor will validate and **decide on the action**
- 4 The LRF system uses travel **time parameters** to detect and filter out suspected toll manipulation



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EXPLANATION OF PROJECT OUTCOME/RESULT

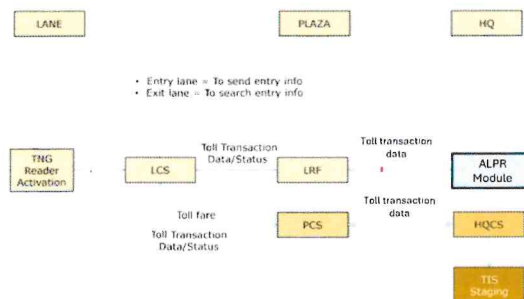
INNOVATION IMPLEMENTATION PROCESS



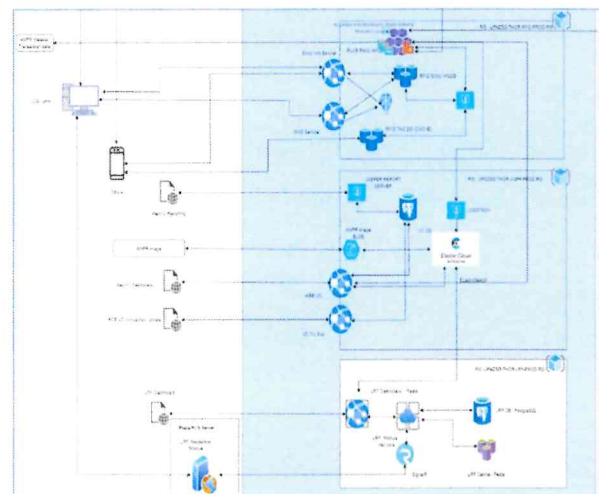
2. Design

Lane Remote Function

Lane Remote Function Architecture



Automatic license plate recognition (ALPR) module is integrated into the system to capture vehicle information and assist in toll enforcement. This system ensures efficient toll collection, data integrity, and centralized oversight for toll plaza operations.



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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



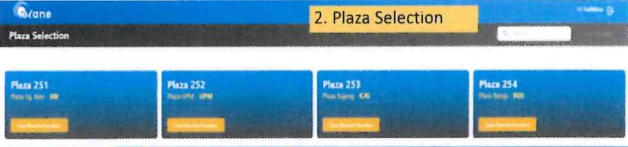
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3. Software Development

Client Software Installation

Lane Remote Function Dashboard

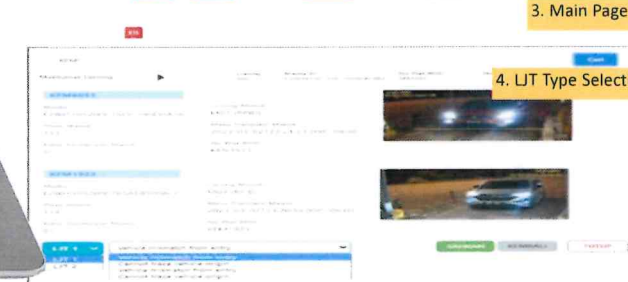




2. Plaza Selection



3. Main Page



4. LIT Type Selection

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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



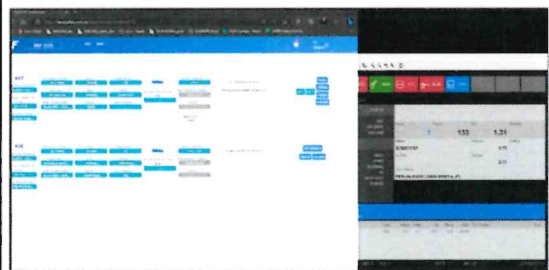
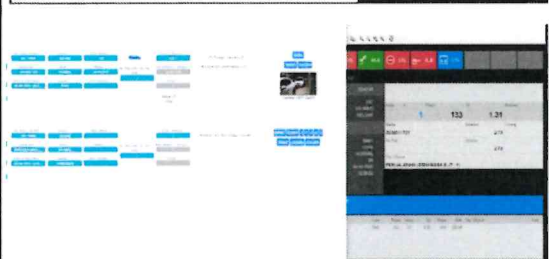
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4. Testing

Testing Client Software : Pilot Test at Bertam & Sungai Dua Toll Plaza

Pilot test conducted at Toll Plaza Bertam (BRT). The deployment was done via:

- i. Online Microsoft Teams
- ii. Onsite at BRT TP

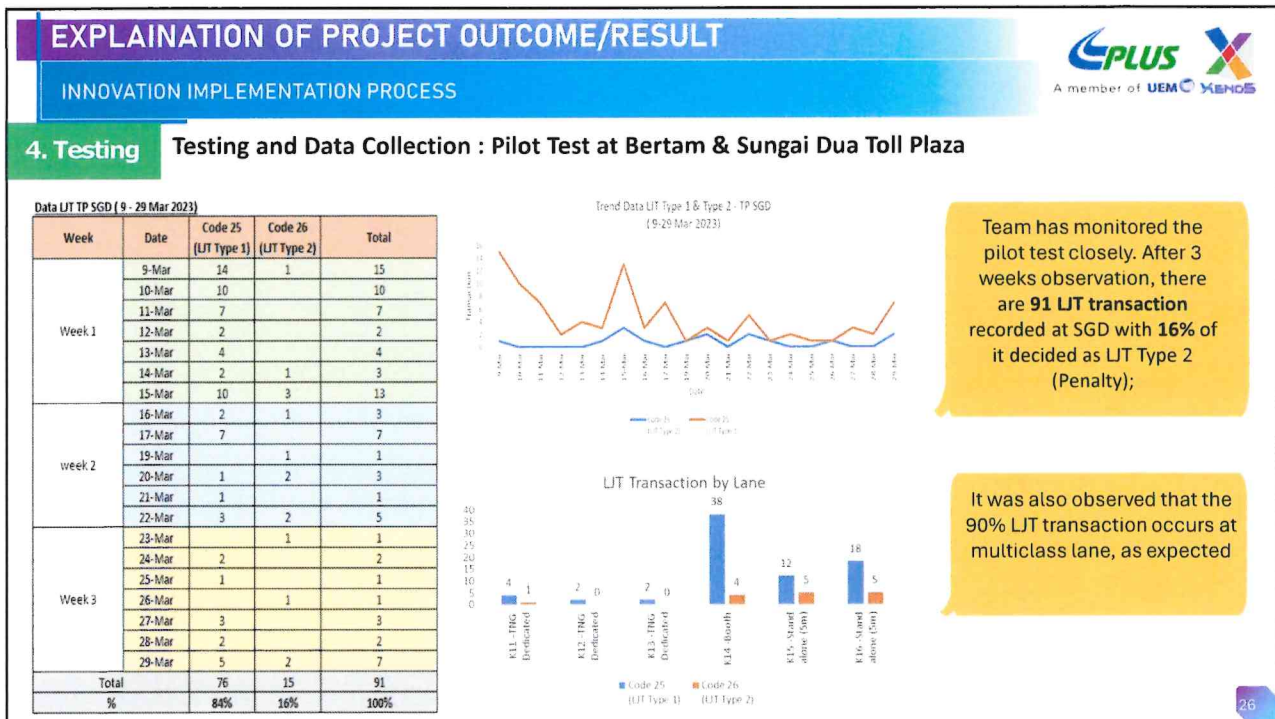





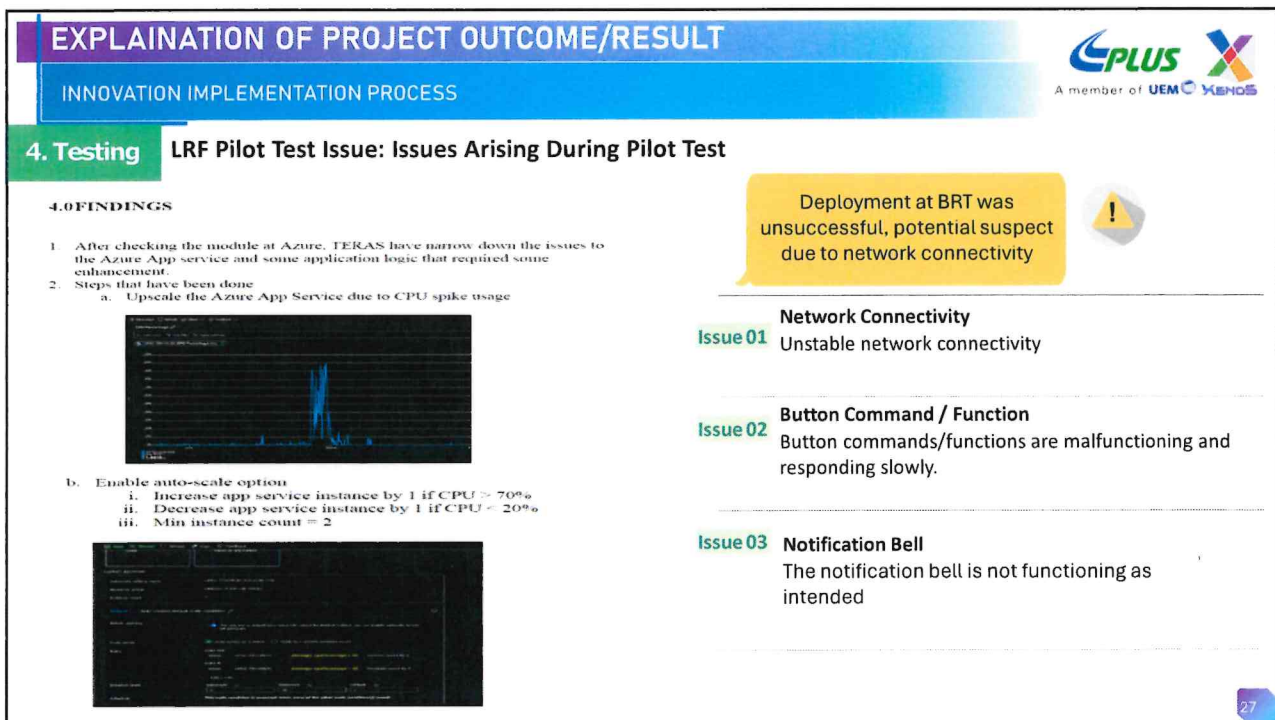




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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



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4. Testing **Analysis of Design Effectiveness – Process Decision Program Chart (PDPC)**

No.	ISSUES	IMPROVEMENT	RISK	CORRECTIVE ACTION
1.	Network Connectivity	1. Establish an alternative to fiber optics and IP VPNs for network redundancy 2. Optimized bandwidth consumption.	Operational Disruptions: Slow connections can disrupt critical systems' operation, resulting in downtime.	1. Enhance network and hardware redundancy at all toll plazas with TIME Managed Mesh Optical Connectivity (MMOC) 2. Avoid consuming unnecessary bandwidth with background applications / activities.
2.	Button command/function in LRF Dashboard – slow performance	To ensure that a system maintains optimal performance and does not become slow,	Lag or delays to validate the LJT transaction, leading to increase traffic congestion	Optimize the Code: Review and streamline the code to make it more efficient and reduce processing time.
3.	Notification Bell	To ensure the notification bell is loud and clearly audible when an LJT transaction is detected at the lane	Missed Alerts- TC may not hear the notification, leading to missed LJT transaction	Increase the volume setting And change to distinct sound: Use a more attention-grabbing sound for the notification bell

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EXPLANATION OF PROJECT OUTCOME/RESULT

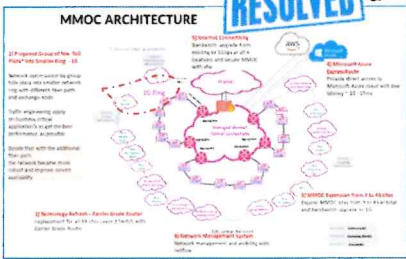
INNOVATION IMPLEMENTATION PROCESS



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5. Improvement **Improvements Based on Issues Identified During Pilot Testing**

Issue 01



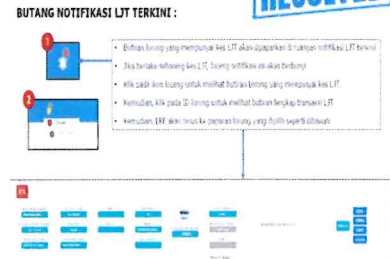
RESOLVED

Issue 02



RESOLVED

Issue 03



RESOLVED

- MMOC expansion from 9 to 43 Sites
- Increase bandwidth from 300Mbps to 1Gbps

- Optimize the Code.
- Review and streamline the code to make it more efficient and reduce processing time.

- Increase the volume setting
- change to distinct sound: Use a more attention-grabbing sound for the notification bell

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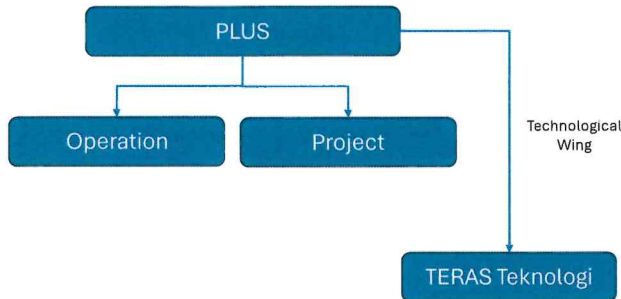
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EXPLANATION OF PROJECT OUTCOME/RESULT

INNOVATION IMPLEMENTATION PROCESS



Documentation of the Innovation Project That Has Been Implemented



PLUS Berkas: No Berkas: PLUS-VOL-SP-001 | Status: Baru | 1 day 01

TAJUK DOKUMEN: FUNGSI BALKEN OPERASI SISTEM TERBUKA DAN SEMI TERBUKA, PENYEDIA PLAZA

NO. PENGELUARAN: 2

TARIKH KUALIFIKASI: 6 Desember 2023

PROOF

Developed with the PLUS Technological Wing (TERAS) as the expertise to develop the system based on establish methodology and requirement.

Manual and SOP created were approved for standardization Lane Remote Function

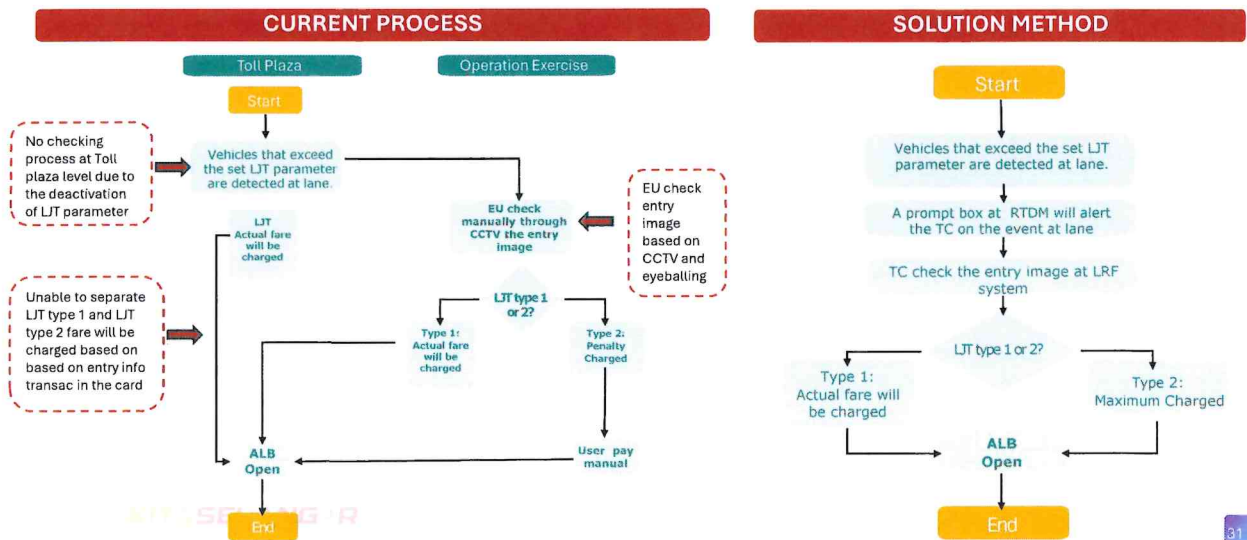
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EXPLANATION OF PROJECT OUTCOME/RESULT

BEFORE AND AFTER PROCESS



FINAL CREATIVE METHOD : COMPARISON EXISTING PROCESS VS SOLUTION METHOD

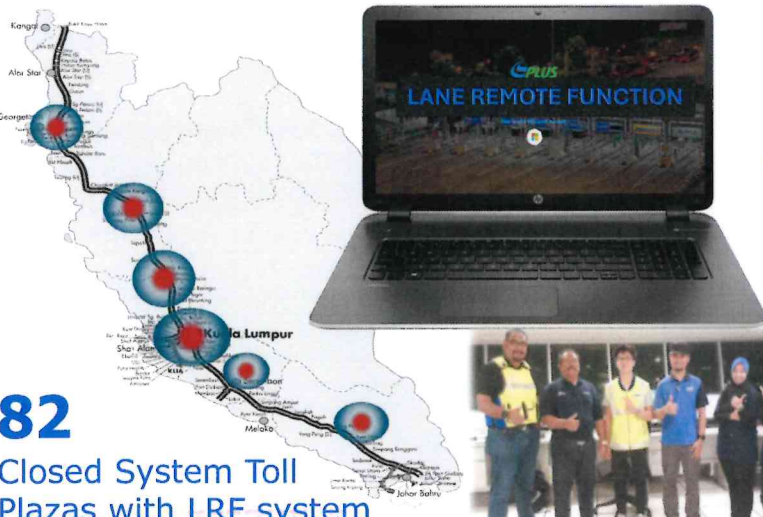


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EXPLANATION OF PROJECT OUTCOME/RESULT

TARGET GROUP AND SCOPE COVERAGE

Lane Remote Function Implementation to the Entire PLUS Expressways



82
Closed System Toll
Plazas with LRF system

- ☐ Implemented at all 82 toll plazas (Close system)
- ☐ LJT parameter activation 24 hours
- ☐ Ability to identify fraudulent activity (EOC) on real time basis




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EXPLANATION OF PROJECT OUTCOME/RESULT

TARGET GROUP AND SCOPE COVERAGE

Replication: Deployment To Selected Toll Plazas

Date	Time	Section	Plaza	No. of Lanes	Lane No.
NORTHERN REGION					
10 July 2023	10:30 pm	N3	JRU	6	K11
					K12
					K14
					K15
					K16
11 July 2023	10:30 pm	N1	BTU	2	K17
					K18
					K19
					K20
					K21
12 July 2023	10:30 pm	N4	WVI	3	K22
					K23
					K24
					K25
					K26
13 July 2023	10:30 pm	N4	ALP	2	K27
					K28
					K29
					K30
					K31
13 July 2023	10:30 pm	N4	BKM	2	K32
					K33
					K34
					K35
					K36
SOUTHERN REGION					
24 July 2023	10:30 pm	S3	MAC	1	K37
					K38
					K39
					K40
					K41
25 July 2023	10:30 pm	S4	SPK	2	K42
					K43
					K44
					K45
					K46
25 July 2023	10:30 pm	S4	SKD	4	K47
					K48
					K49
					K50
					K51
26 July 2023	10:30 pm	S4	SKD	6	K52
					K53
					K54
					K55
					K56



Date	Time	Section	Plaza	No. of Lanes	Lane No.
CENTRAL REGION (TEAM A)					
24 July 2023	10:30 pm	C1	PS	8	K12
					K13
					K14
					K15
					K16
25 July 2023	10:30 pm	C1	SPP	4	K17
					K18
					K19
					K20
					K21
26 July 2023	10:30 pm	C1	TPH	3	K22
					K23
					K24
					K25
					K26
26 July 2023	10:30 pm	C2	BCR	3	K27
					K28
					K29
					K30
					K31

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EXPLANATION OF PROJECT OUTCOME/RESULT

TARGET GROUP AND SCOPE COVERAGE

Proposal To Apply At LPT2 For Operational Consistencies

Projek Lebuhraya Usahakasa Berhad

1. North-South Expressway Length: 801.5km
2. New Klang Valley Expressway Length: 47.1km
3. Seremban-Port Dickson Highway Length: 80.5km
4. Malaysia-Singapore Second Crossing Length: 47.1km
5. Penang Bridge Length: 13.5km
6. North-South Expressway Central Link Length: 63km
7. Butterworth-Kulim Expressway Length: 17km
8. Kuala Terengganu-Johor Length: 184km

Lebuhraya Pantai Timur 2 Sdn. Bhd.

KUALA TERENGGANU

PLUS Highway City



PROJECT REPLICATION

The implementation of the LRF system has been carried out in stages at selected toll plazas and LPT2 Sdn Bhd.



Discussion with LPT2 Team on the LRF Project Overview and benefit



Briefing to LPT2 Plaza staff on the introduction of LRF.

PLUS received a good feedback from the ground on the introduction of Lane Remote Function to reduce the toll manipulation.

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EXPLANATION OF PROJECT OUTCOME/RESULT

TARGET GROUP AND SCOPE COVERAGE

Provides consultation to other highway concessionaires on the implementation of Lane Remote Function (LRF)







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EXPLANATION OF PROJECT OUTCOME/RESULT

SUMMARY OF ELEMENTS

Explanation.. *Lane Remote Function*

Innovative & creative element	The first innovation project in Malaysia that uses the ALPR (Automatic License Plate Recognition) system to detect Exchange of Card activities
Effectiveness element	Reduction of LIT Type 2 cases at 99.83% Reduction of cost utilization to ZERO during operation exercise
Significant element	Secured Revenue - RM 67.2M Customer Survey Index 2024 - 87% Printing cost for toll violation form - RM 1,360.80 /year Operation Cost during Operation Exercise - RM168,000/year
Relevant Element	The impact of Lane Remote Function to Environment -reflects a significant positive effect on resource conservation, air pollution reduction, and energy savings

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EXPLANATION OF PROJECT OUTCOME/RESULT

CREATIVE AND INNOVATION ELEMENT

Uniqueness Of Solution—The first innovation project on Malaysian highways

□ The first innovation project in Malaysia that uses the ALPR (Automatic License Plate Recognition) system to detect Exchange of Card activities

AH2
Rangkaian Lebuhraya AH2
• Myanmar
• Thailand

LANE REMOTE FUNCTION

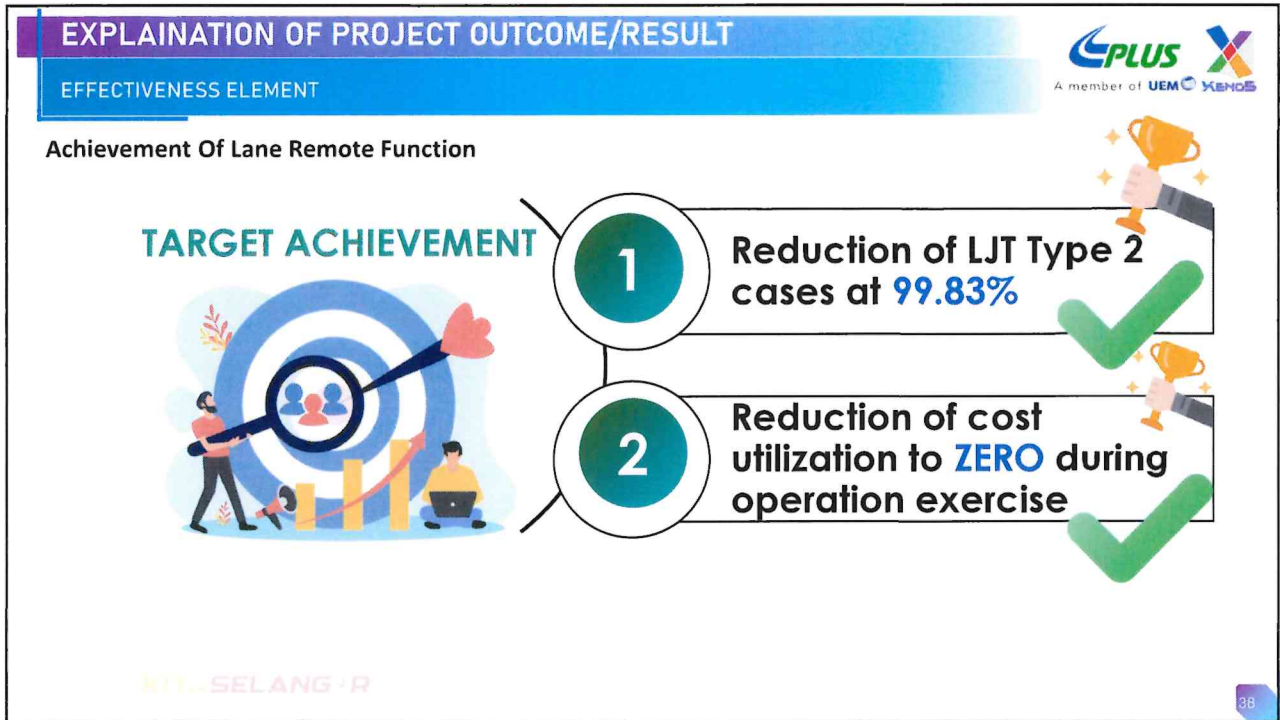
 MINIMAL RESOURCES REQUIRED - No additional manpower and logistics required - Only Supervisor require to validate the transaction	 SEAMLESS OPERATION - Remote validation by Supervisor in the control room - Real-time.	 AUTOMATION - Utilized the existing ALPR Lane Camera (low capex) - Leveraging the latest technology - Such as Cloud and IOT technologies	 MINIMAL TRAFFIC DISRUPTION - Filtration is done using journey time to minimize the manual validation process - Back-end process	 EVIDENCE Able to generate photos as evidence at the Entry TP in case of challenge by users.
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Logos: LATAR, GCE, LP12, KVE, Klang Valley, LEMBAGA LEBUHRAYA MALAYSIA

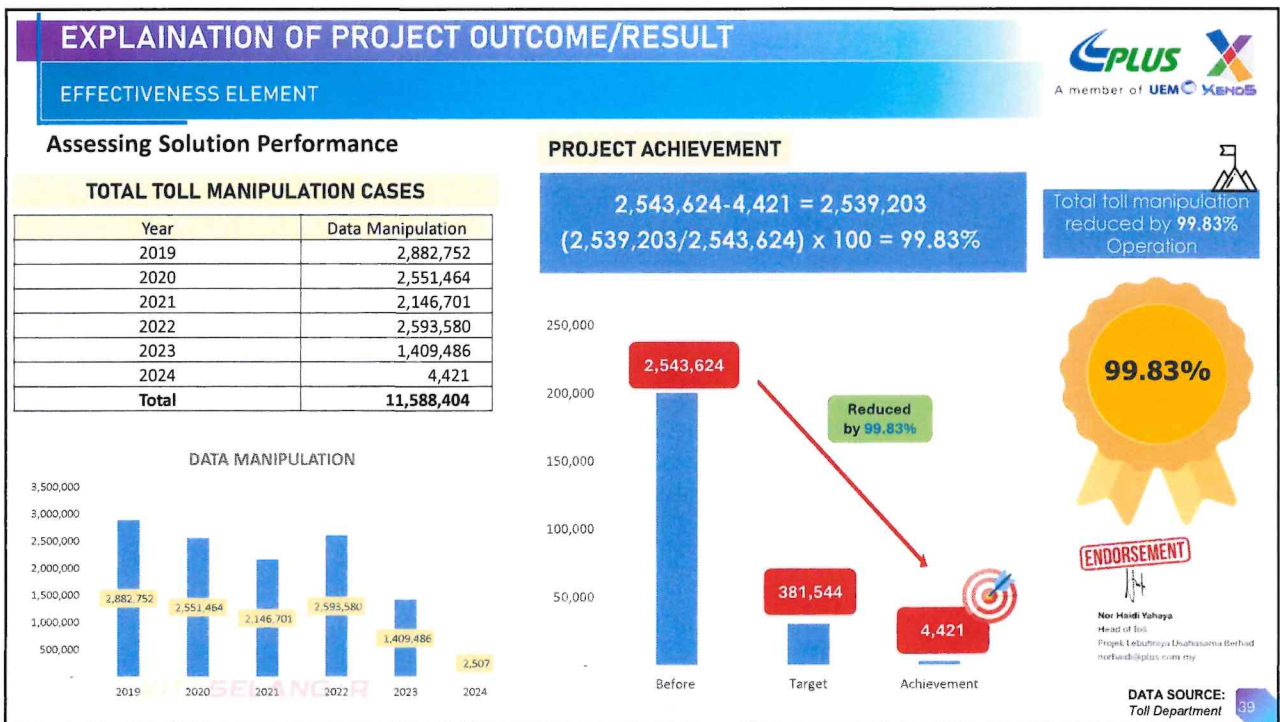
To be further commercialize to other highway operator in Malaysia

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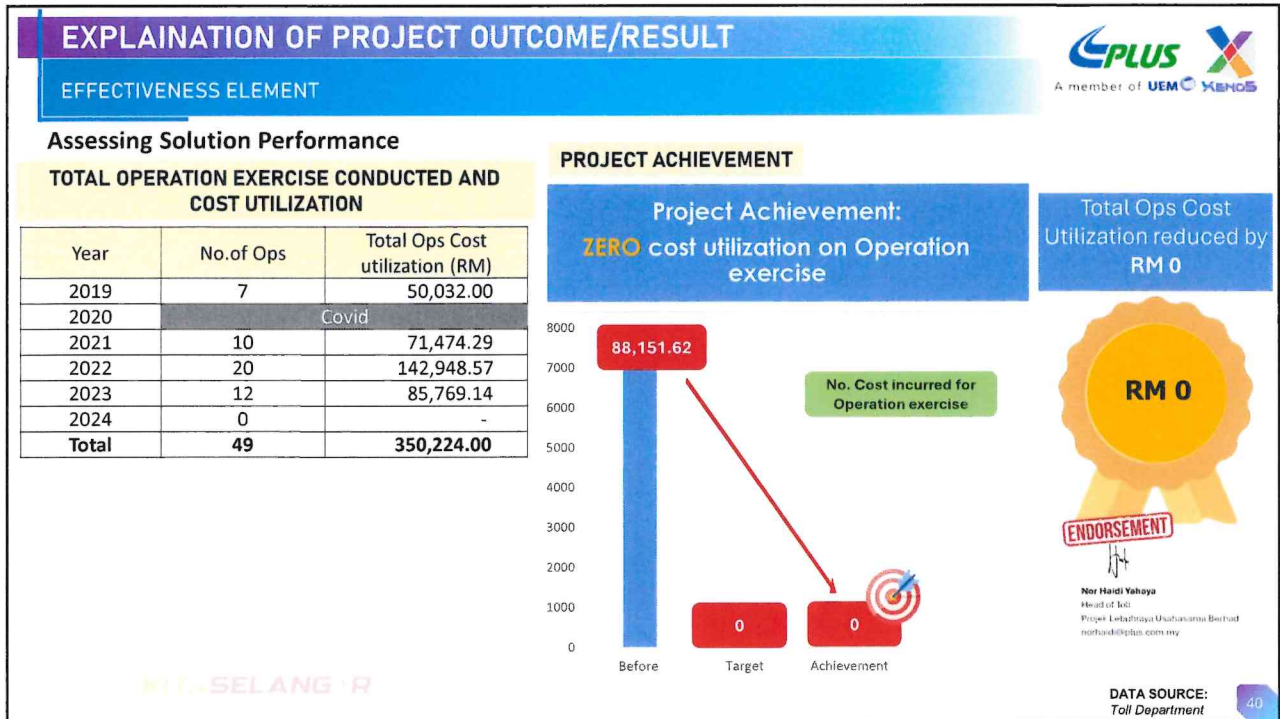
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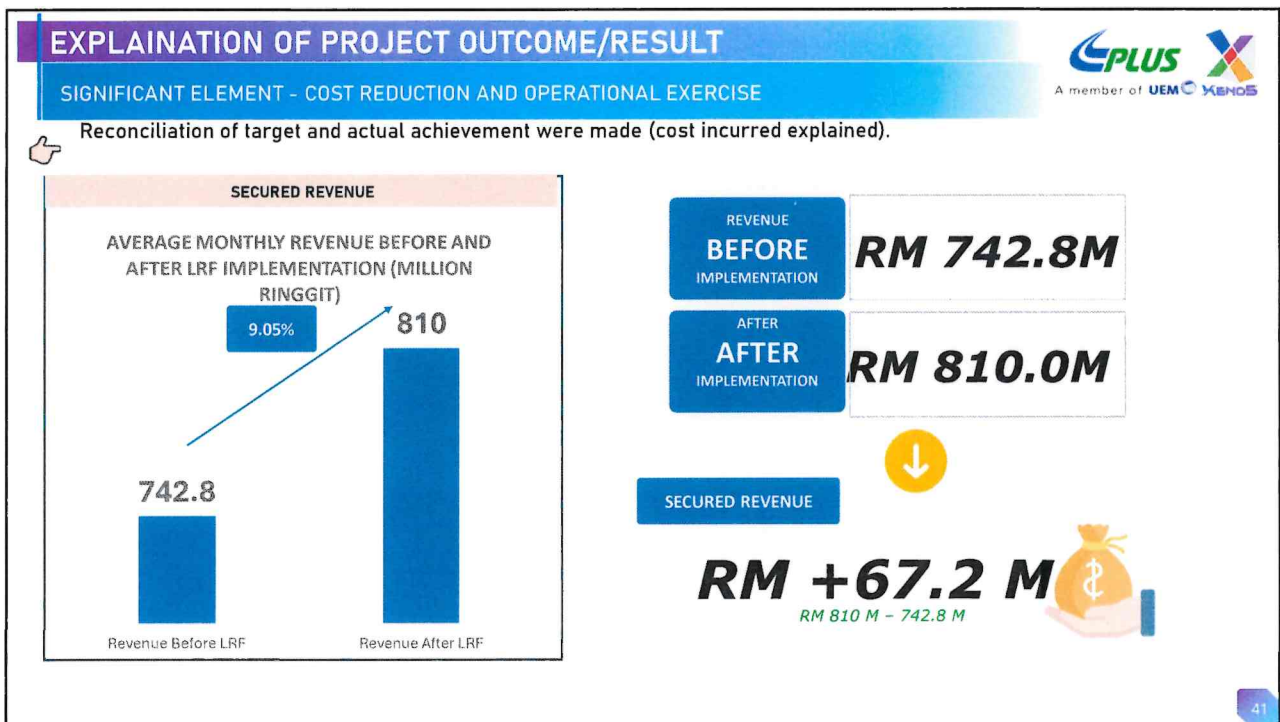
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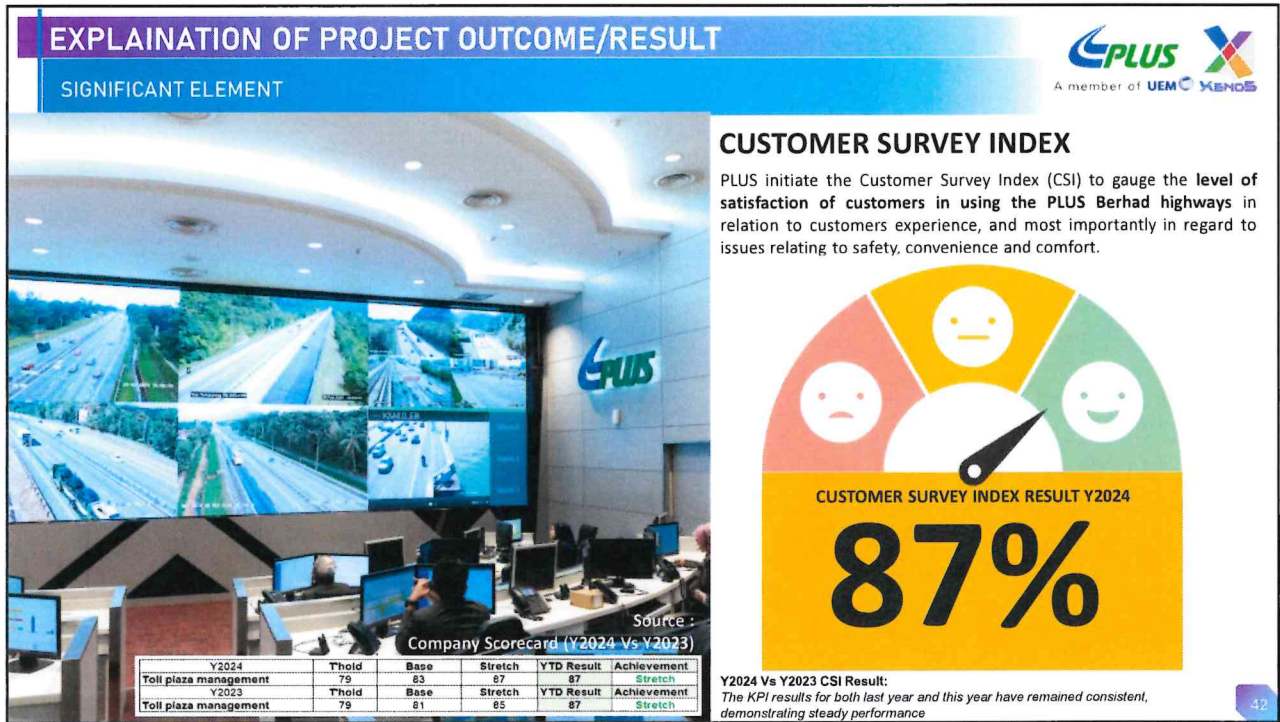
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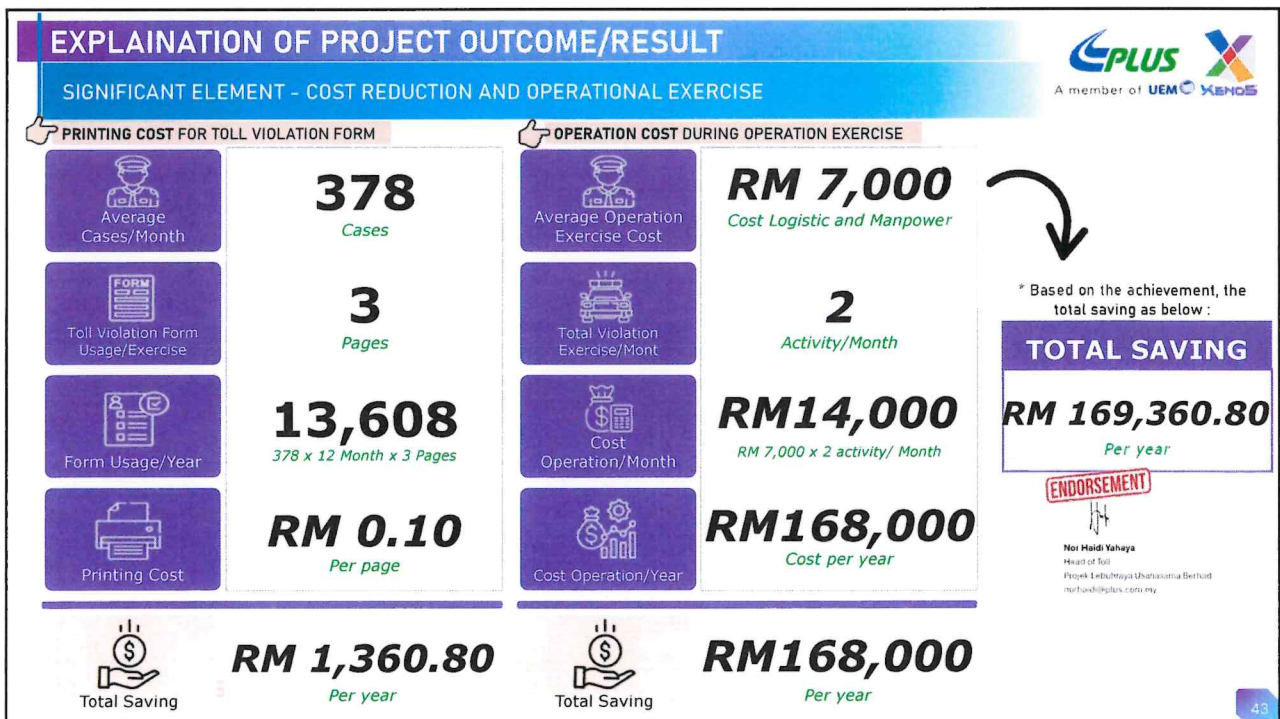
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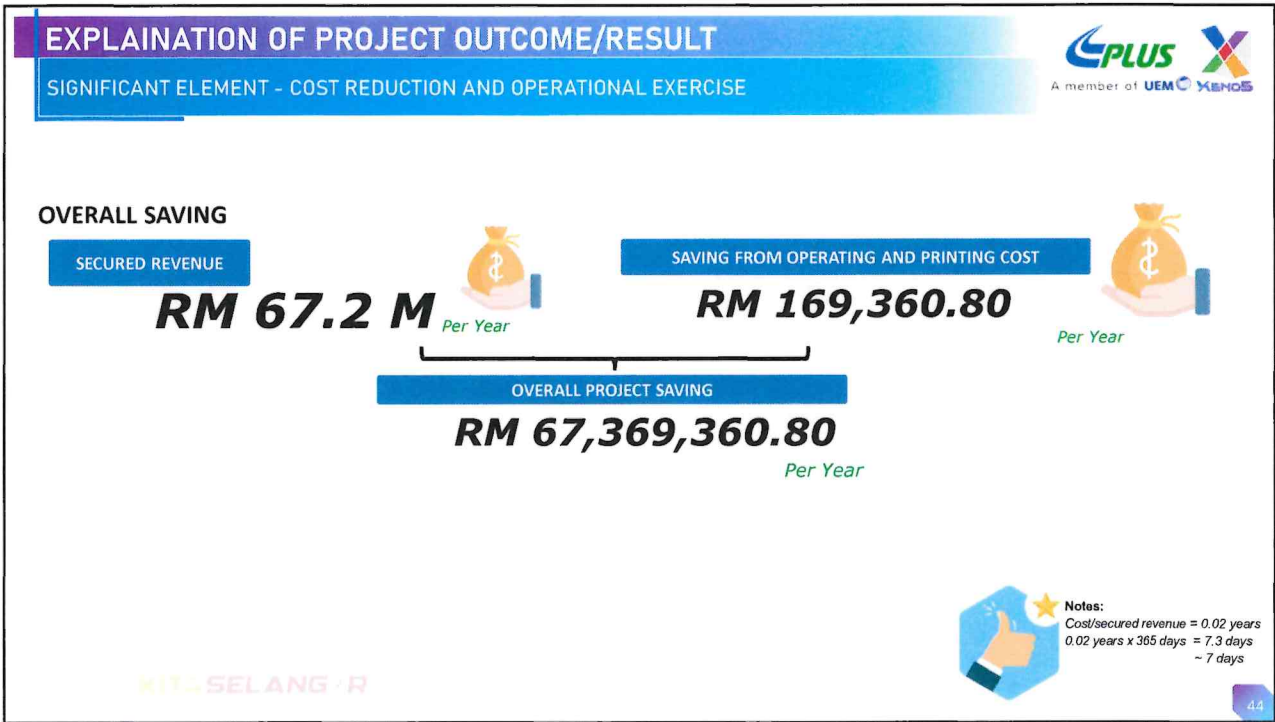
41



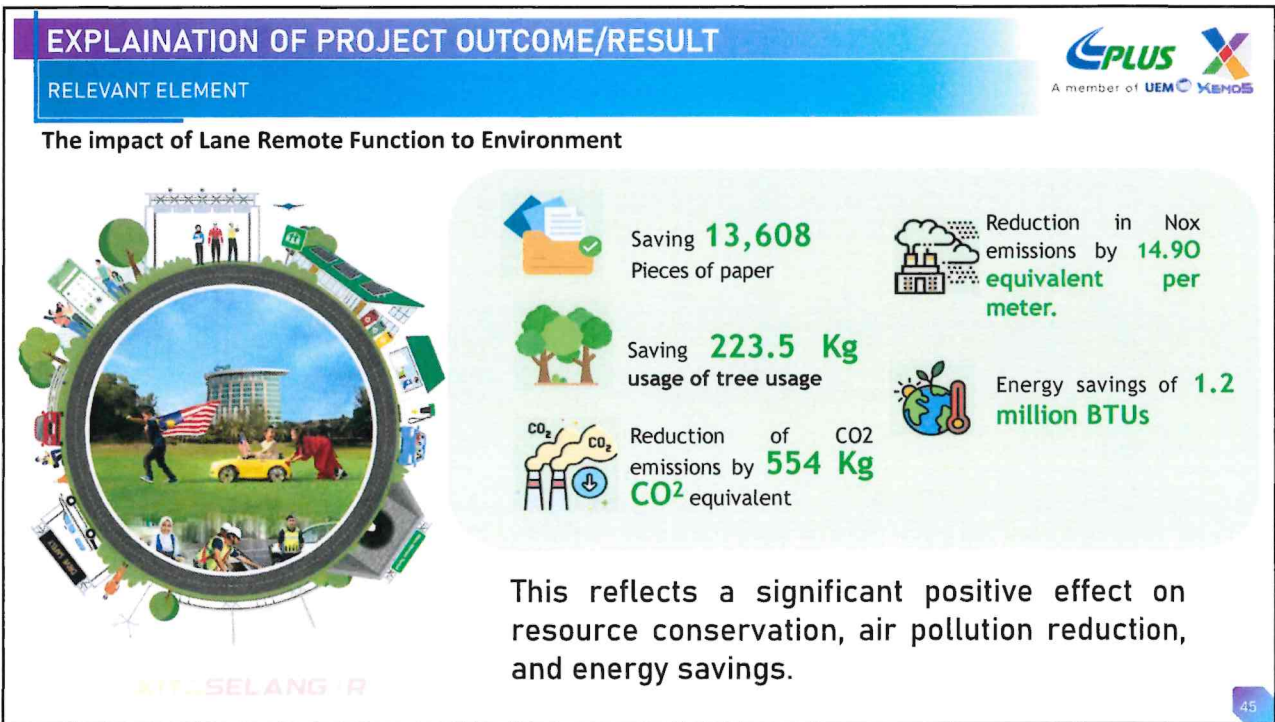
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EXPLANATION OF PROJECT OUTCOME/RESULT

PROJECT ACHIEVEMENT

Appreciation From Top Management




Appreciation Luncheon with Lane Remote Function (LRF) Project Team

Dear Top Management:

261 Department cordially invites YBhg. Datuk Nik Azlina and YBhg. Datuk D. Zakaria Ahmad Zaidi to the **Appreciation Luncheon with Lane Remote Function (LRF) Project Team** at Hotel DoubleTree by Hilton, 3 City Shah Alam.

Date: 14 December 2023 (Thursday)
Time: 12:30 PM - 2:00 PM
Venue: Makam Kitchen, Finance Avenue, Level 1, Double Tree by Hilton, 3 City, 40000 Shah Alam, Selangor.



TO: YBhg. Datuk Nik Azlina Nik Azfar
CC: YBhg. Datuk D. Zakaria Ahmad Zaidi
FROM: Nur Hafiz Bin Hafizul
REF: PLUS/2023/2749/01/01/001
DATE: 14 November 2023
SUBJECT: **APPROVAL TO HOST APPRECIATION LUNCHEON REMOTE FUNCTION (LRF) PROJECT TEAM AT HILTON DOUBLETREE BY HILTON, 3 CITY SHAH ALAM**

1.0 OBJECTIVE

1.1 The objective of this letter is to seek YBhg. Datuk Nik Azlina's approval to host appreciation luncheon with Lane Remote Function Team at Hotel DoubleTree by Hilton, 3 City Shah Alam.

2.0 BACKGROUND

2.1 Full packages were obtained from two main candidates, namely Hotel DoubleTree by Hilton, 3 City Shah Alam and Hotel...




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EXPLANATION OF PROJECT OUTCOME/RESULT

PROJECT ACHIEVEMENT

Team profile background – Team Profile History

Registration of Team

17-26 January 2024



Project Pitching

15 February 2024



Teams Onboarding & Program Roll Out

18 Mac 2024






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EXPLANATION OF PROJECT OUTCOME/RESULT

PROJECT ACHIEVEMENT



A member of UEM XENOS

Primer Award Overall Champion & Winner In Service Sector ICC Malaysia 2024






WINNER

Prime Award Overall Champion & Winner In Service Sector ICC Malaysia 2024



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EXPLANATION OF PROJECT OUTCOME/RESULT

PROJECT ACHIEVEMENT



A member of UEM XENOS

Appreciation From Top Management






Appreciation Luncheon

The Saujana Hotel Kuala Lumpur, Subang
24 December 2024 (Tuesday)
11.30am - 2.30pm





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EXPLANATION OF PROJECT OUTCOME/RESULT

FINANCIAL IMPACT



COST BENEFIT ANALYSIS

DEVELOPMENT COST

RM 1.2M

PAYBACK PERIOD

$$\frac{\text{RM 1.2M}}{\text{RM 67.2M}} = 0.02 \approx 7 \text{ Days}$$

Year

ROI

$$\frac{\text{RM 67.2M} - \text{RM 1.2M}}{\text{RM 1.2M}} \times 100 = 5,500\%$$



Notes:

Cost/secured revenue = 0.02 years
 0.02 years x 365 days = 7.3 days
 ~ 7 days

KITASELANGOR

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