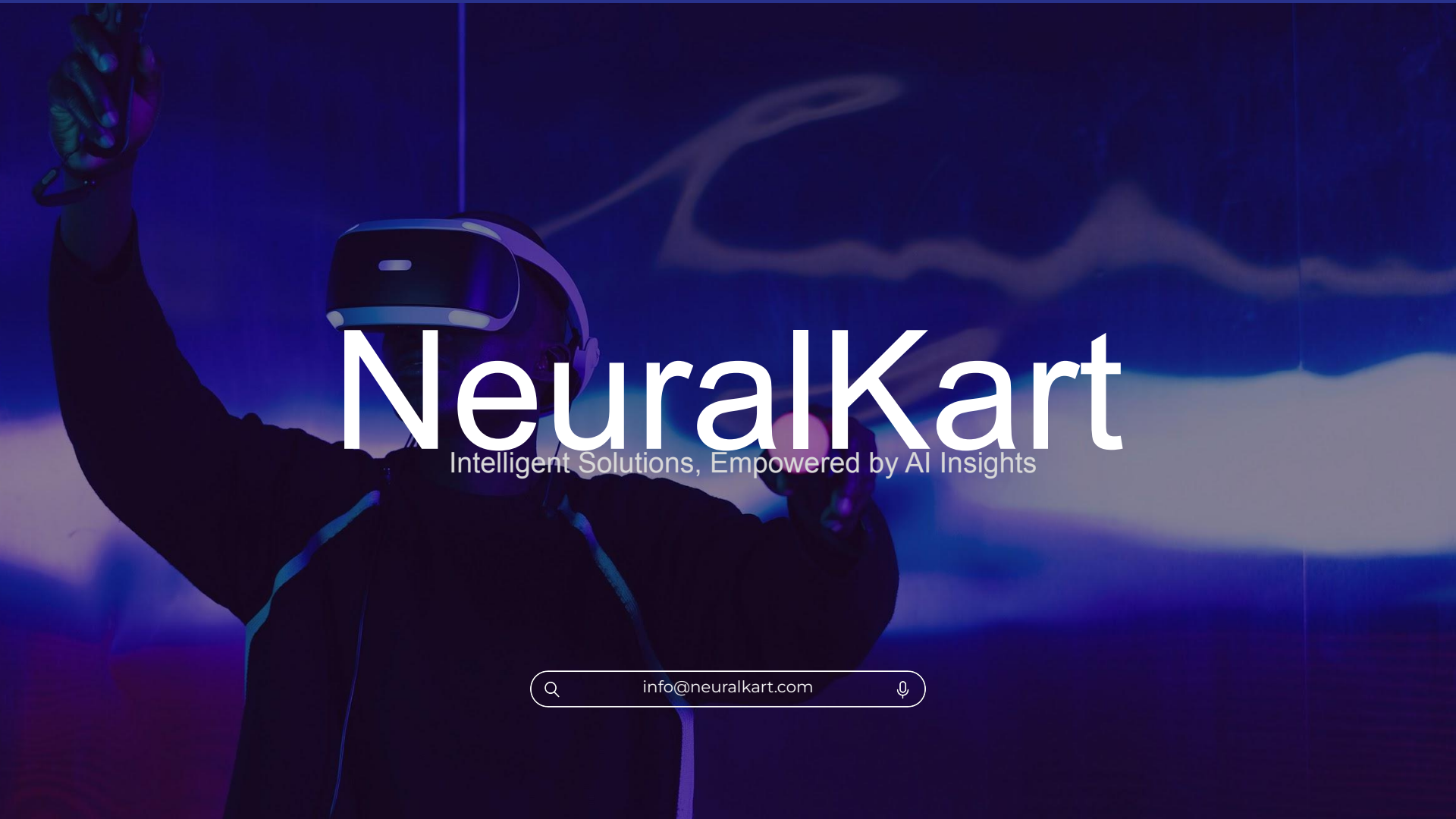


NeuralKart

Intelligent Solutions, Empowered by AI Insights

info@neuralkart.com

Next-Gen Video Management & Analytics

- A centralized software platform designed to manage, monitor, and analyze video feeds from multiple cameras across a large facility
- Enables seamless video monitoring, surveillance, and data-driven insights
- Helping enhance security, improve operational efficiency, and optimize resource management within the IT park

nGage
Next-Gen Video Management & Analytics

Unified Web Platform:
- Multi-camera integration (Camera-Agnostic)
- Centralized control, seamless access

Live Monitoring & Playback
- Real-time HD streaming
- Quick playback & incident review

Access Management
- Role-based access control
- Multi-level user permissions

Automated Alerts & Notifications
- Motion & anomaly detection
- Customizable alerts (email, SMS, app)

Analytics:
- Vehicle/Human Analytics
- InfoSec and System Analytics

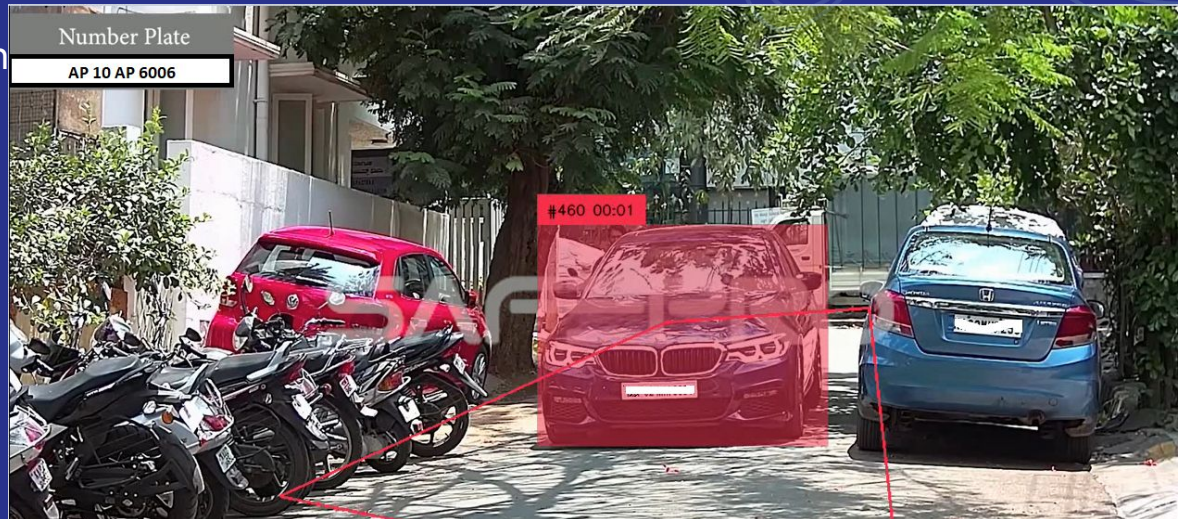
AI Powered – Vehicle Analytics

Sri to update the number sequence & alignment

1 Automatic Number Plate Recognition

2 Secure, Automated Entry/Exit Logs

3 Real-time Vehicle Type Recognition



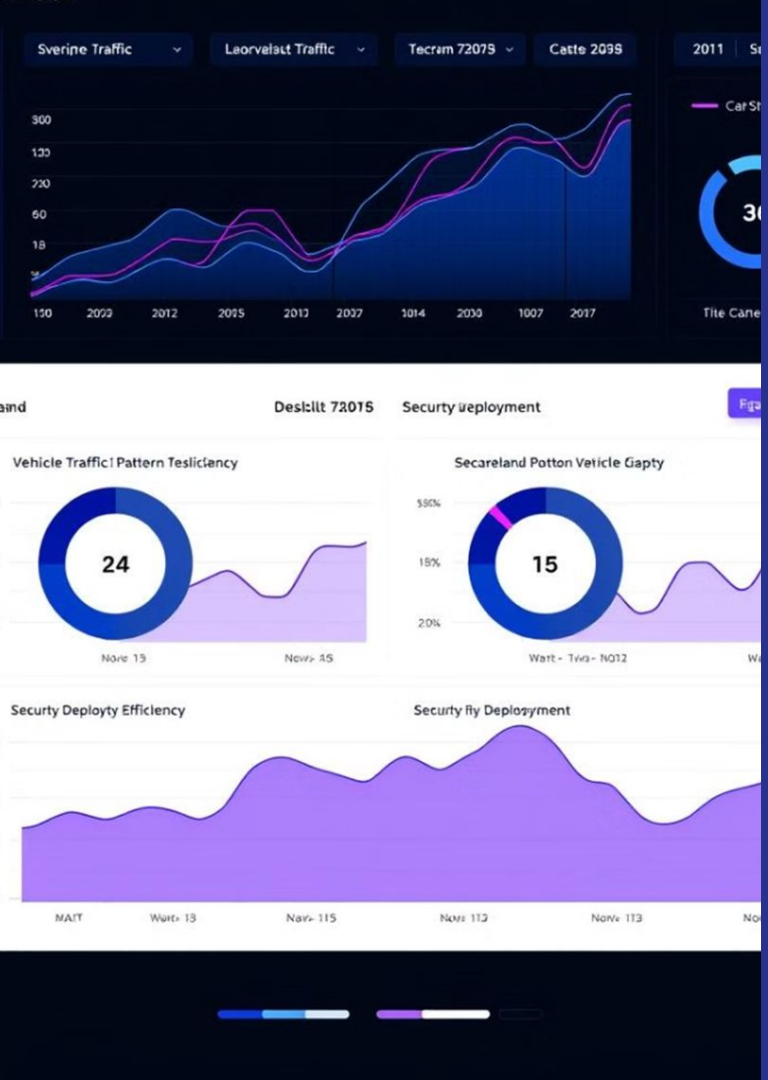
AI Powered – Human Analytics

Sri to update the number sequence
Manoj to update the image

- Restricted Area Monitoring
- Crowd Management & Preventive Congestion

Analytical Insights

Vehicle Analytics	Security Analytics
Vehicle volume by hour/day/week	Security personnel deployment effectiveness
Peak times and trends	Optimal coverage and rapid response



Vidvath & Shreyas

VALUE Proposition

Enhanced Security	Proactive incident prevention
Operational Efficiency	Reduced manual monitoring
Scalable & Customizable	Adapts to diverse security needs

Solutions : Time In Zone

Optimized Facility Management and Energy Savings

Enhanced Resource Allocation and Workforce Planning

Improved Service Availability

Reduction of Idle Time and Increased Productivity

Reduced Security and Maintenance Costs

Potential for Dynamic Pricing Models

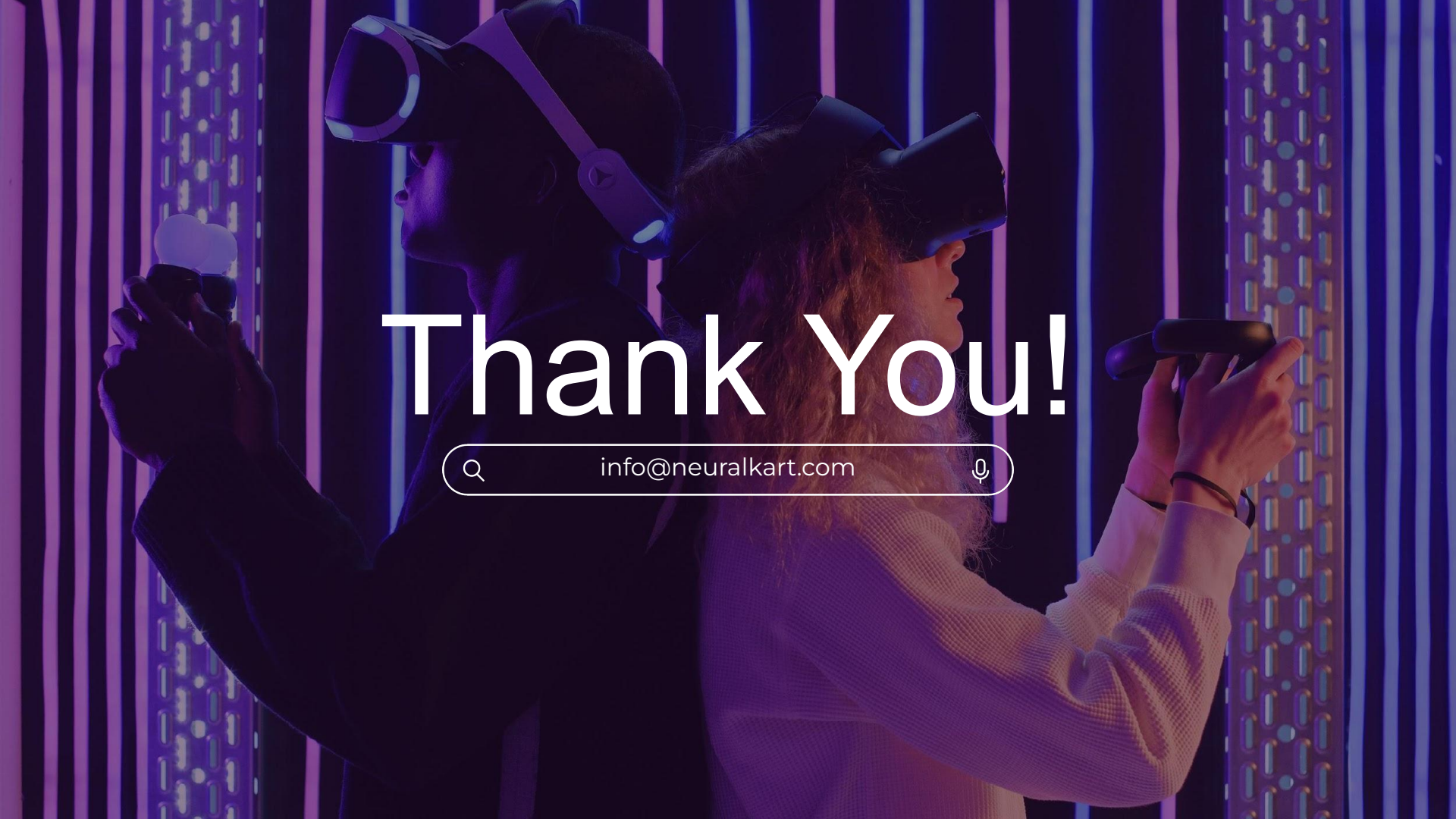
Contracting & Licensing Model

Amount in INR Lacs

Particulars	SAAS Model		Licensed Model	
	Monthly	Annual	Monthly	Annual
Intial Implementation Fee (One Time)		12		12
Recurring SAAS fees	3	36		
Recurring License + Product Maintenance Fee (Annual)				18
Indicative BAU Production Support	1	12	1	12
Total		60		42
Total(Opex Cost post Go-Live)		48		30

Next Steps

- Implementation Phases and timelines



Thank You!

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About the Company

NeuralKart

Full Service Data Science: from Conceptualization to Deployment

Consulting

Determine the best AI tools to solve the problem.

DevOps

Set up the necessary infrastructure to build a scalable solution.

Development

Use our platform to rapidly develop and train the AI solution.

Deployment

Continue to evolve the solution with additional feedback.

NeuralKart Platform

Our Platform has an expanding library of proprietary AI models & frameworks that can be tailored to suit customer needs.

Imaging Analytics

Deep Neural Networks for Imaging Analytics

Pattern Recognition

Unsupervised learning for pattern recognition to detect outliers, fraud etc.

NLP

Unstructured Data Analysis to extract hidden insights in the data

Machine Learning

Supervised Machine Learning models for Classification, Regression, Forecasting

Automated Insights

Generating automated insights from large volumes of structured data

Data Engineering

Multiple algorithms for data cleansing

AI Competencies

Our Core Competencies include cutting edge AI techniques.

Deep Learning
- Convolutional Neural Networks
- Artificial Neural Networks

Natural Language Generation
- Insights Generation
- Identifying Key Trends

Data Processing
- PCA
- Outlier Detection
- Missing Value Imputation

Natural Language Processing
- LSTM
- TF IDF, word2vec
- LDA
- Sentiment Analysis

Segmentation
- PCA
- Outlier Detection
- Missing value imputation

Estimation
- Cox Regression
- Linear Regression
- Non-Linear Regression

Classification
- SVM
- Random Forest
- Gradient / XG Boosting
- Recurrent Neural Networks

Forecasting
- ARIMA
- TBATS
- GARCH Models

Backup Slides

Next-Gen Video Management & Analytics - nGage

Web-Based Interface: Easily manage and monitor video streams from anywhere using a web browser, providing flexibility and convenience.

Scalable Architecture: Supports adding more cameras, storage, or processing power to adapt to growing business needs.

Real-Time Monitoring and Alerts: Receive timely notifications to enhance security response and situational awareness.

Intuitive User Experience: Navigate the clean and user-friendly interface with ease, even for non-technical users.

AI-Powered Analytics: Leverage advanced AI and machine learning capabilities.

AI Powered Solutions

1

Vehicle Analytics

- Automatic Number Plate Recognition
- Secure, Automated Entry/Exit Logs
- Real-time Vehicle Type Recognition

2

Human Analytics

- Restricted Area Monitoring
- Crowd Management & Preventive Congestion

3

Multi-Channel Monitoring System

1

Feed Splitting

Camera feeds split across multiple channels for detailed monitoring.

2

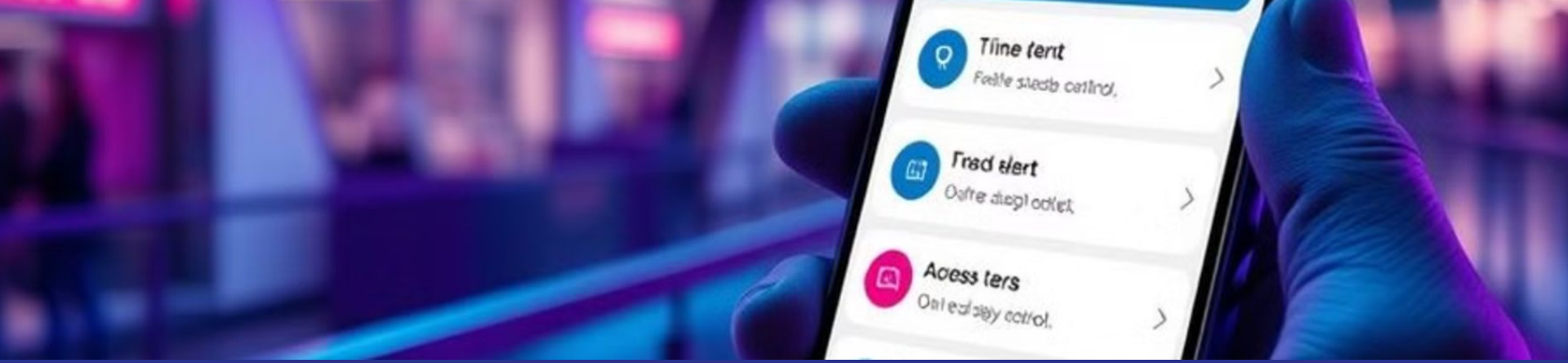
Parallel Monitoring

Enables monitoring of individual blocks within the mall.

3

Enhanced Surveillance

Operators view specific areas in real-time, reducing response.



Alerts and Access Management System

Automated Alerts

Instant notifications for unauthorized access and congestion.

Proactive Measures

Improve safety and visitor experience through quick responses.

Access Management

Automated control at entry/exit points for efficient handling.

Challenges & Objectives

Objective to be eleborated

Challenges

- Limited visibility on parking occupancy
- Inefficient traffic management and safety risks.
- Slow response times for security incidents
- Unauthorized vehicle management
- Monitoring high-traffic zones
- Ensuring tenant & visitor security

Objective : Enhance safety, automate access control

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