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SDN BHD
201401012891 (1088973-V)



ROBOPARCEL

LOGISTIC DOCUMENTS AND PARCEL FULLY INTEGRATED WEB BASED IOT MANAGEMENT SYSTEM

BASED ON ECSID COMPREHENSIVE
FULLY-MALAYSIAN IOT PLATFORM



Who We Are

We are a dedicated team of engineers specializing in intuitive IoT solutions for industrial applications. Our end-to-end platform integrates smart sensor networks, real-time telemetry, and cloud-based AI to transform operational data into actionable insights—helping businesses optimize efficiency, reduce complexity, and achieve sustainable growth.

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Founder RoboParcel



Luqman Nur Hakeem

An experienced Electrical and Electronics Engineer with 5+ years in the industry. A graduate of Universiti Tenaga Nasional, Malaysia, he currently contributes to the ECSID IoT Platform project, leading the development of critical hardware systems.

Muhammad Al Rhosky

An accomplished technology leader with 28 years of experience (1996–2024) in driving innovation. He has led technology transfers, spearheaded product design, and influenced industry standards. His expertise spans advanced microcontroller platforms, automotive technologies, and open-source software solutions, demonstrating a proven track record in cross-disciplinary innovation.



The Problem

There is a lack of comprehensive local technology solution which is independent from foreign entities and Big Tech. There is high financial loss from discrepancies between customer and logistic company on Parcel details. This would also cause customer loss due to service dissatisfaction. There is no current solution in the market that addresses these problems.

The Goal

The objective is to create a robust IoT infrastructure platform that have Real Time Management Systems that automate the Parcel Weighing and documentation which reduces discrepancies due to human error. This systems also utilizes Real Time weighing and documentation for all parties for better increases Data Security while eliminating data tampering. Any Parcel documentation error or discrepancies can be immediately known and remedied. The system is web based as to allowed easy access, implementation and scalability.

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Our Solution

ROBOPARCEL

RoboParcel is a web-based IoT solution designed for efficient parcel and package weighing management. It provides real-time automated weight measurement, consignment note generation, QR/Barcode printing, and secure cloud data logging, streamlining logistics operations.

As a cloud-based IoT Platform-as-a-Service (PaaS), Roboparcel integrates smart metering devices, communication networks, automation, and data management technologies to enhance tracking and logistics efficiency.

RoboParcel simplifies parcel management by leveraging IoT and cloud technology, making logistics operations faster, smarter, and more reliable.

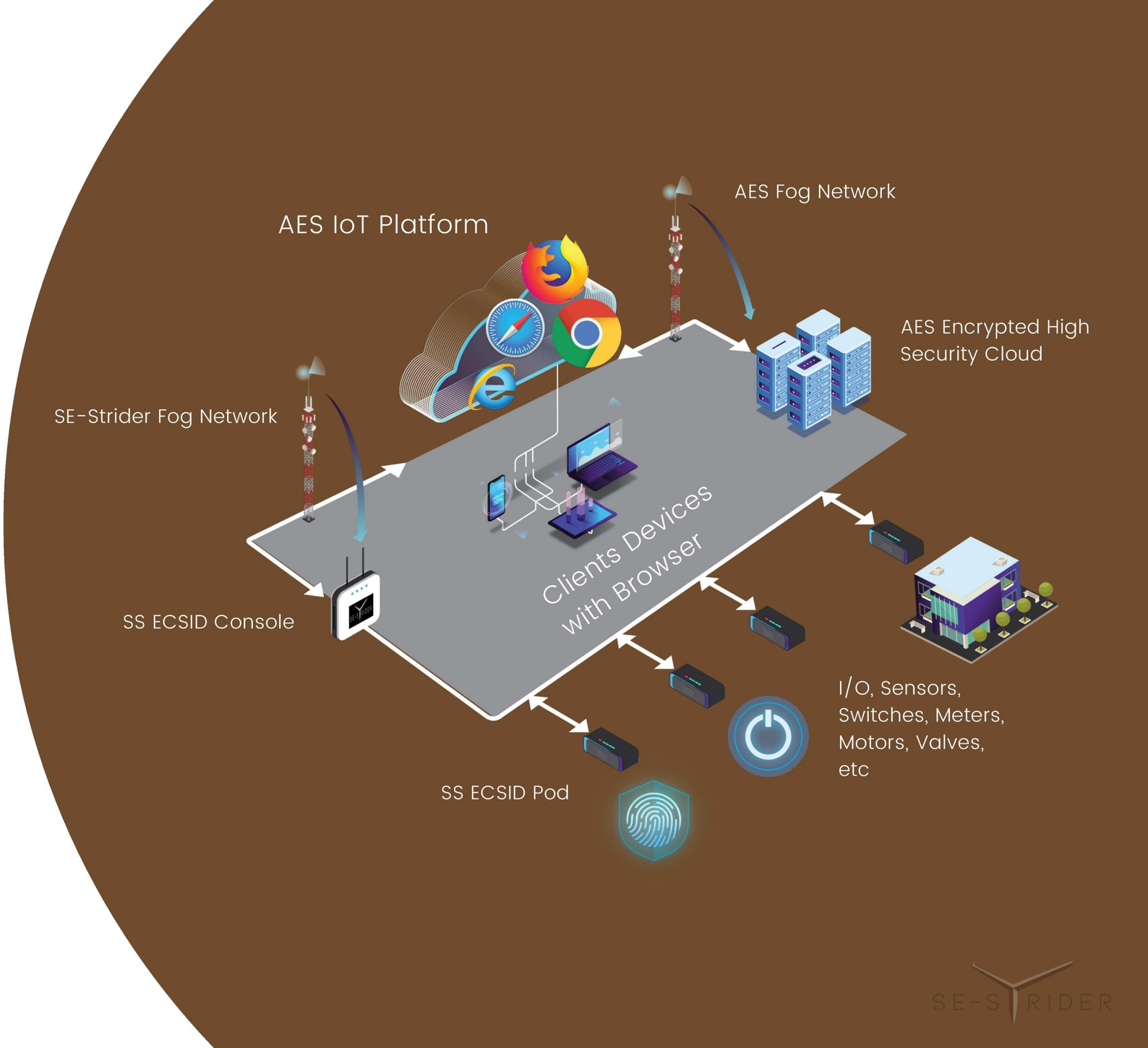
Our Target

To commercialize RoboParcel

1. Finalize Design, Trademarks, Company structure and IP
2. Get SIRIM certification for weighing equipment.
3. HMI/GUI Front End Software System.
4. Pilot test in actual environment.
5. Marketing to Logistic Companies
6. Marketing to other Sectors (eg. Palm oil)

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AES IoT Platform **INFRASTRUCTURE DIAGRAM**

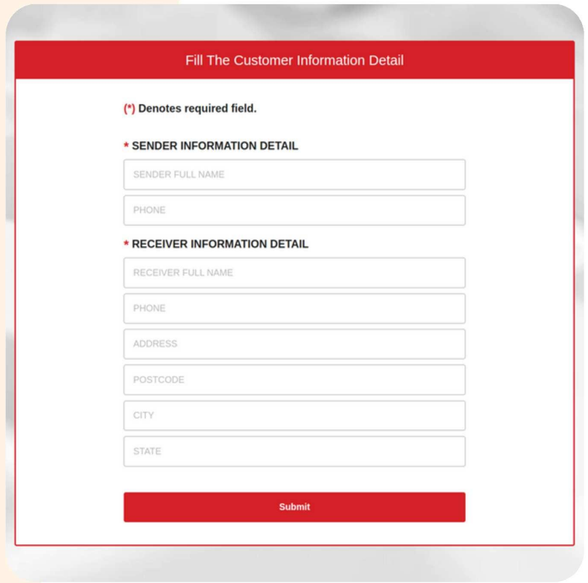


Our MVP

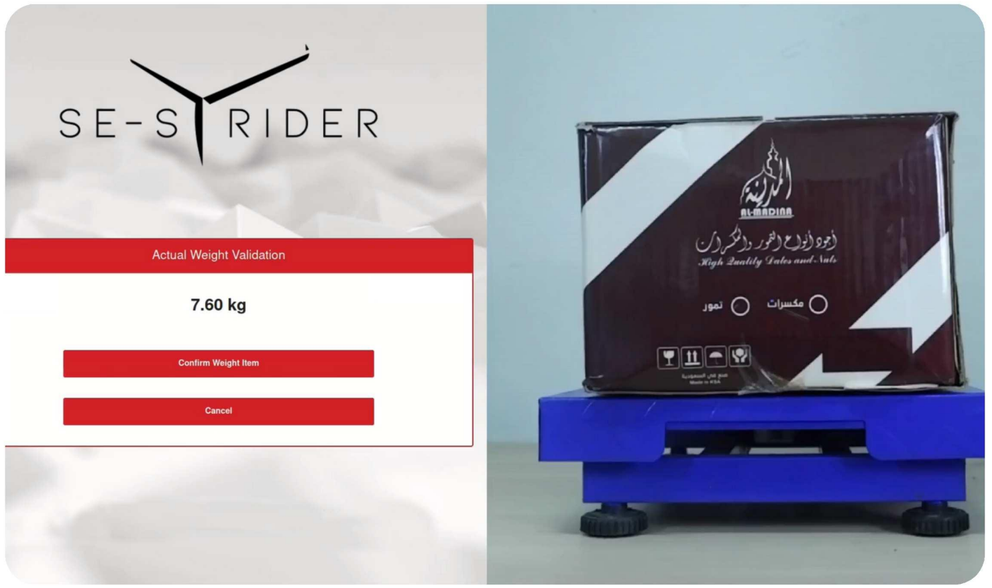


RoboParcel Setup

Our MVP



Fill the customer form



Validate the weight



Print the AWB sticker

MVP Demo Video: https://roboparcel.se-strider.com/

Benefit RoboParcel

1. Increase efficiency of Weighing process by automated Web based Interface (Tab&Phone).

2. Portable unit Integrated Cloud Communications which is feasible to be used anywhere in urban or remote area.

3. Reduce pilferation and loss revenue .

4. Live data to help more efficient Parcel/Product tracking, logistical operational, asset management and deployment. It creates better trust level between clients & owners with Realtime transparent weighing process.

5. Realtime Documentation with Transaction ID (*encrypted) given out in Realtime from Central HQ reducing tampering with Weight and Parcel Data.

Summary RoboParcel

Made in Malaysia, First in Malaysia, 100% Malaysian IoT Web based Portable Cloud Automated Weighing system that give Live Real Time control between HQ and “On the Ground” personnel.

Fully Malaysian product ensure all technical Hardware and Software are efficiently customisable and optimized ensuring sustainability and reliability of products.

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Contact Us

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