2026

SE-STRIDER

SDN BHD

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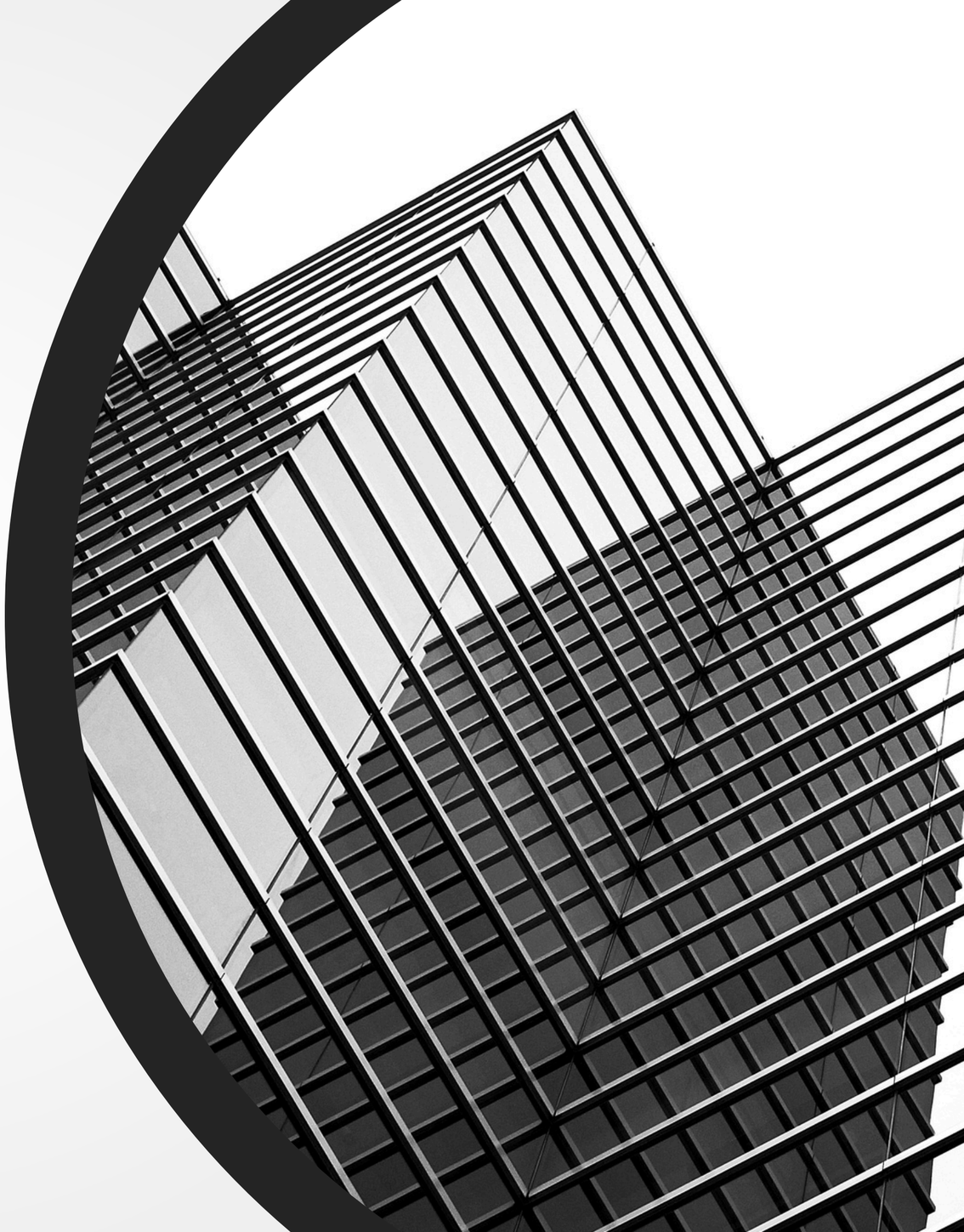
Empowering Innovation

"THE FUTURE IS YESTERDAY"

HYINDAM

Hybrid Intelligence Devices and Machinery

www.se-strider.com



SE-STRIDER

OUR STORY

Company Overview

Founded in 2014 as Shafky Logistics Sdn Bhd, the company underwent a strategic rebranding in 2023 to become **SE-Strider Sdn Bhd**. As a leading provider of Total Engineering Services, we are dedicated to delivering innovative solutions with a strong commitment to environmental sustainability.

Our expertise lies in the integration of IoT systems, smart sensors, and advanced telemetry technologies, enabling businesses to efficiently capture operational data and leverage cloud-based AI decision-making to optimize performance and output management.





OUR MISSION AND VISION

Mission Statement

At **SE-Strider Sdn Bhd**, our mission is clear: to develop an innovative IoT product that enhances the quality of life within communities while surpassing user expectations. We are dedicated to creating solutions that not only address everyday needs but also foster safer, smarter, and more connected environments for everyone.

Vision Statement

Our vision is to be recognized as a leader in the IoT product industry, known for our unwavering commitment to quality, innovation, and transformative solutions. We aspire to set new standards in IoT technology and become the first choice for customers seeking reliable, smart products that improve everyday life and drive community growth.



OUR TEAM

Dedicated Professionals



FOUNDER
Mohammed Al Rhosky
Beng. (Hons) Mechanical Engineering, LEEDS, UK

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.

CO-FOUNDER
Luqman Nur Hakeem Bin Norhisham
Bachelor (Hons) Electrical & Electronics Engineering, UNITEN

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



SE-STRIDER

INTRODUCTION

The construction industry's inefficiencies and stunted growth, driven by a reliance on manual labour, are compounded by a strategic dependency on foreign technologies. These external solutions often misalign with national interests and incur unsustainable costs due to a lack of local expertise, creating a critical gap for sovereign, scalable alternatives.

To address the gap in local technology solutions, our objective is to develop a robust IoT infrastructure platform that fosters local innovation and supports sustained growth. This initiative aims to enhance regional capabilities while ensuring national security and sovereignty. By empowering local talent and driving sustainable development, we seek to protect national interests in an increasingly interconnected world.



PROBLEM STATEMENT

SE-STRIDER

Key Challenges in Modern Construction facing today.

1. **Hazardous Environments:** Inability to perform work in unsuitable or dangerous conditions. (e.g., high heat, night)
2. **Inefficient Manpower:** Low-end, low-wage jobs (e.g., maintenance and construction) are not effectively utilized.
3. **Deployment Challenges:** Difficulties in implementing IoT solutions for the SMI industry. Many current solution provider has scalability isues.
4. **Data Privacy Issues:** Lack of data sovereignty and privacy due to software developed by foreign entities.
5. **Limited Tech Transfer:** Joint ventures with foreign entities don’t always result in technology transfer.

CURRENT SOLUTION

SE-STRIDER

1

Manual Operation of Modern Machinery
Excavators, backhoes, and dumpers are widely used but operate at "Level 1" mechanization – fully controlled by human operators with no automation integrated. This keeps the sector labour-intensive despite the presence of heavy equipment.

2

Severe Shortage of Skilled Operators
Critical shortage of qualified operators for excavation equipment (identified in the Critical Occupations List). Employers forced to raise wages – operators earn RM5,000–RM10,000/month – or outsource functions.

3

Vicious Cycle of Foreign Labour Dependency
Lack of local talent forces heavy reliance on foreign workers to operate machines. Government aims to reduce foreign worker reliance from 15% to 10% starting 2026, but transition is difficult without a local workforce pipeline.

4

Slow IoT Adoption in Construction Machinery
While IoT-enabled machinery (sensors, GPS tracking, real-time monitoring) offers benefits like improved efficiency and safety, adoption remains low. Key barriers include:

- High implementation costs for IoT systems (foreign technology)
- Lack of skilled professionals with IoT expertise
- Limited awareness and exposure among contractors
- Data security and privacy concerns

Malaysia has the machines, but lacks IoT adoption and skilled workforce capacity – creating cost and labor pressures that hold the sector back.



OUR SOLUTION

HYBRID INTELLIGENCE DEVICES AND MACHINARIES (HYINDAM)

HyInDAM is transforming the construction industry by converting traditional machinery into autonomous hybrid intelligence systems. Developed locally, the platform reduces reliance on major tech companies and enhances task management.

Built on an open-source Linux system, it offers control over data, privacy, and cost, while supporting advancements in AI and big data. With dedicated local technical support, it ensures seamless operations.

By improving efficiency and safety, **HyInDAM** enhances job quality, shifting workers to higher-paying remote positions, providing a self-reliant, sustainable solution for modern construction and industrial sectors.

SE-STRIDER

OUR TARGET

To develop a small-scale test site for HyInDAM Robotics Construction.

Small-scale HyFNE Cloud and HyInDAM IoT Resource Data Center

Industrial Construction Vehicle (e.g. Excavator, Backhoe, Bobcat) to be converted Hybrid Intelligence Industrial Construction Vehicle

HMI/GUI Front End Software System.









SE-STRIDER

HYBRID INTELLIGENCE FOG NETWORK ECOSYSTEMS (HYFNE)

Our **Hybrid Intelligence Fog Network Ecosystem (HyFNE)** bridges the local innovation gap by delivering a secure, sovereign IoT infrastructure that processes data at the edge—keeping critical information within our borders while empowering local talent to build tailored solutions.

By fusing machine-driven AI with human expertise, this platform transforms regional developers from technology consumers into creators, driving sustainable economic growth without compromising national security.

In an increasingly interconnected world, we are architecting a trusted digital perimeter that protects our sovereignty, fortifies critical systems against external threats, and ensures our digital destiny remains firmly in our own hands.



SE-S RIDER

HYFNE PLATFORM SECTOR



01

INDUSTRIAL ROBOTICS
Hybrid Intelligence Devices & Machinery (HyInDAM)



02

LOGISTICS & COMMERCIAL SERVICES
RoboParcel



03

AUDIO VIDEO REAL-TIME SERVICES & CYBERSECURITY
HyFNE CyberGuard



04

SOCIAL SERVICES & EDUCATION APPLICATIONS
HyFNE Mosque
HyFNE Edu

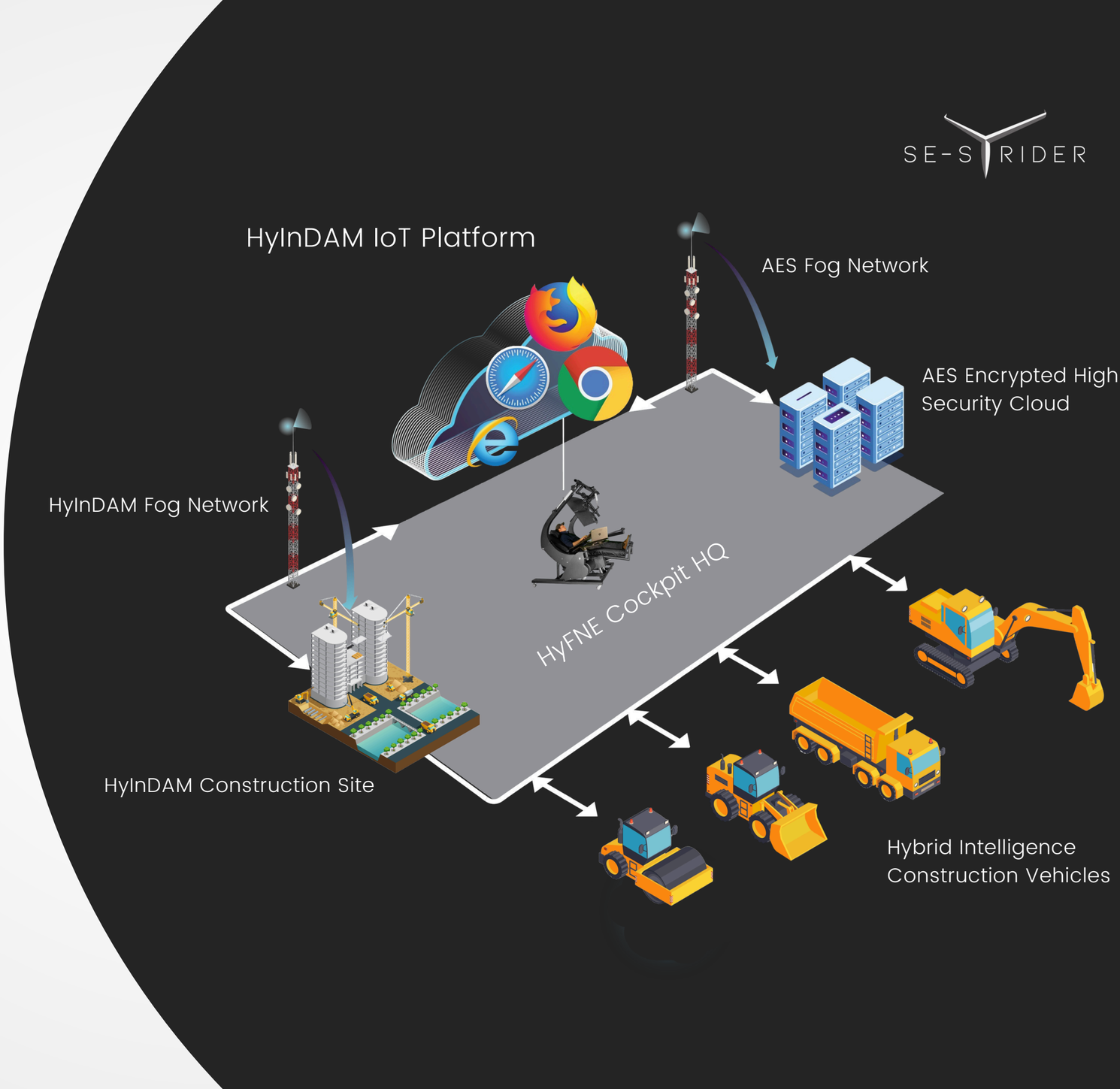


05

ENTERTAINMENT AND GAMING
BoGem Console

SE-S RIDER

HYINDAM IOT CONSTRUCTION INFRASTRUCTURE DIAGRAM



HyInDAM CONCEPT

HyInDAM **COCKPIT**

The HyInDAM cockpit serves as the centralised command-and-control station for a fleet of Hybrid Intelligence Construction Vehicles.

This stationary workstation, designed for deployment in office or residential environments, provides operators with comprehensive telemetry data and real-time command capabilities.

The system architecture supports multi-vehicle management, enabling a single user to monitor and control an unlimited number of authorized vehicles simultaneously, ensuring scalable and efficient fleet operations.



HyInDAM CONCEPT

SE-STRIDER

HyInDAM
CONSTRUCTION VEHICLE

The HyInDAM is a semi-autonomous construction vehicle, designed for applications such as excavation and earthmoving.

Unlike conventional, manually operated equipment, the HyInDAM vehicle can be remotely commanded and monitored via the HyInDAM cockpit station from a standard office or home environment.

Key features include a 360-degree camera system for complete situational awareness, real-time control interfaces for precise operation, and integrated AI programs that enable the autonomous execution of predefined tasks.



HyInDAM CURRENT STATUS

SE-STRIDER

Centre for Unmanned Technologies (CUTe)
E2, Faculty of Engineering, IIUM,
Jalan Gombak, 53100, Selangor.
Tel: 0136355740 | Fax: 0361964053
Email: cute@iium.edu.my
www.iium.edu.my/centre/cute

الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
Garden of Knowledge and Virtue

Our Ref.: 001/CPT/CUTe/IV/2026 Date: **24 April 2026**

Mr. Mohammed Al Rhosky
Managing Director
SE Strider Sdn. Bhd.

السلام عليكم ورحمة الله وبركاته

Dear Sir,

ACCEPTANCE OF COLLABORATION PROPOSAL - REAL-TIME KINEMATIC POSITIONING FOR UNMANNED 6-DOF EXCAVATOR

The Centre for Unmanned Technologies (CUTe), International Islamic University Malaysia (IIUM) formally expresses our readiness to collaborate with SE Strider Sdn. Bhd.

The proposal of joint development of real-time kinematic positioning for an unmanned 6-DOF excavator has been reviewed, and there is a clear understanding of the challenges regarding manual positioning inaccuracies and current GNSS limitations.

CUTe is eager to apply its expertise to achieve the high-precision motion tracking and real-time feedback required for this project. The specific details regarding the project scope, the involvement of a postgraduate student, and the valuation of in-kind equipment contributions will be detail out in the Memorandum of Agreement (MOA).

A successful realization of this collaboration is highly anticipated.

Sincerely,

Assoc. Prof. Ts. Dr. Hasan Firdaus Mohd Zaki
Director
Centre for Unmanned Technologies (CUTe)
Kulliyyah of Engineering,
International Islamic University Malaysia.





HyInDAM CURRENT STATUS

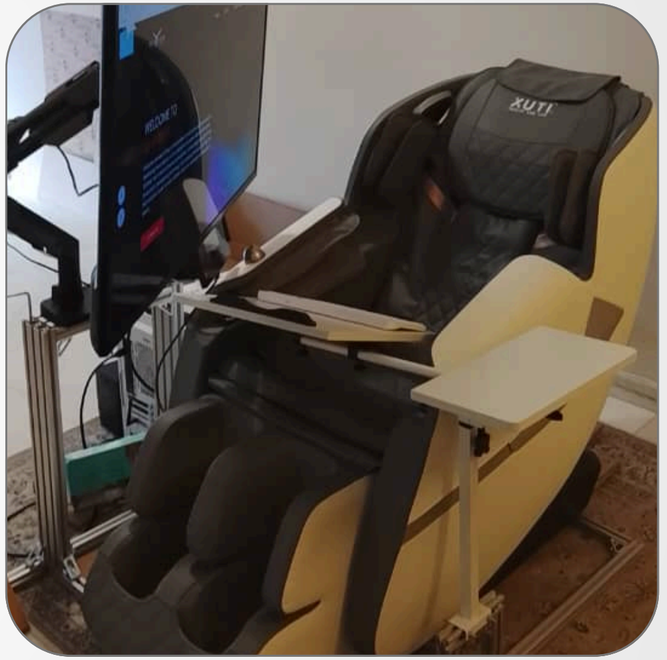
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HyInDAM **Excavator**



HyInDAM **Cabin**



HyInDAM **Pilot Cockpit**

SE-STRIDER

HyInDAM BENEFIT

Higher Efficiency & Lower Costs

- **Maximize Asset Utilization:** Drive significant gains in operational efficiency, production capacity, and overall output.
- **Enhance Profitability:** Increase revenue streams through optimized performance and reduced time-to-completion.
- **Optimize Cost Structure:** Lower overhead costs and improve budgetary predictability through data-driven decision-making.

Strategic Workforce Transformation

- **Empower Skilled Workers:** Reallocate skilled personnel to high-value, complex tasks, fostering innovation and expertise.
- **Eliminate Dangerous Jobs:** Safely execute work in remote or hazardous environments, extending productive capabilities and mitigating risk.
- **Strengthen Labor Sovereignty:** Reduce dependency on non-essential and foreign labor, building a self-reliant, skilled domestic workforce.



SE-STRIDER

HyInDAM BENEFIT

Technological Sovereignty & Intelligent Operations

- **Achieve Real-Time Insight:** Implement real-time data analytics and control systems for proactive management and precision execution.
- **Harness Predictive Intelligence:** Leverage integrated Big Data, Cloud, and AI platforms to forecast issues and optimize outcomes.
- **Ensure Strategic Independence:** Diminish reliance on foreign technology and expertise, securing critical infrastructure and data sovereignty.

Leadership in Sustainability & Safety

- **Reduce Environmental Impact:** Minimize environmental impact through reduced waste and a lower carbon footprint.
- **Create Safer Workplaces:** Enhance worksite safety protocols and promote sustainable practices for long-term viability.



BUSINESS MODEL

SE-STRIDER

MILESTONES

DELIVERABLES

SE-STRIDER

1. Functional modified 1-Tonne Mini Excavator and HyInDAM cockpit compatible with HyInDAM ecosystem

2. Modified cabin with fully customize compatible HyInDAM ecosystem on pilot test site.

3. Undertake a pilot test on site for performance, operational and data collection.

SE-STRIDER

CONTACT US



Get in Touch

We welcome inquiries for new projects and collaborations. Reach out to us today!

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