



Welcome to **SIMA Annex** A Story of VP.Start



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I. About VP.Start

“Where there is no vision, the people perish.”

VP.Start Technology Co., Ltd. was founded in 2014 with the mission to revolutionize Cambodia's energy sector through technological innovation and sustainable solutions. With a relentless focus on customer satisfaction and quality, VP.Start has established its position as a key player in Cambodia's digital energy transition.

The goal of VP.Start is to revolutionize the energy landscape with a new model of grid modernization technology that includes maintaining existing electrical infrastructures, providing fast project delivery, built with user-friendly systems, and offering a great return on investment.



Established
in 2014



Cambodian
Identity



Unique
in Market

Message From The Chief Executive Officer (CEO)

Hello and welcome to the VP.Start Technology! Back in 2014, I set out on a mission to increase electrification rates throughout Cambodia, believing that a more efficient future could be achieved we led the sector through leading engineering and business transformation. As a result, I founded VP.Start Technology.

As of February 2017, with the help of my talented team, unmatched work ethic and determination. We successfully achieved our mission by providing intelligent solutions through our cutting-edge DRC series devices to every province in Cambodia! Currently, our teams are proud to be taking our efforts to the next level with work already in progress: the modernization of Cambodia's national electricity grid system.

At VP.Start, we strive to achieve results that are measurable, sustainable and ethical when working with both public and private organizations through the impact of our custom-tailored solutions that address our partners' & clients' unique requirements. As such, our business model is built on "customer-centricity" and upholding corporate social responsibilities for the environment, sustainable practices by eliminating any obstacles that may arise. We do not compromise on our ethics and values.

My hope for the future is to continue leading our resolve by incorporating the best available practices in tackling the challenges ahead. Thus, yielding a positive impact for all to benefit from.

We thank you for your support and look forward to an even brighter future together.



As I have always believed in continuous learning to promote innovation, this core principle is instilled deep within the VP.Start family and will enable us to consistently better our business model. Due to this, our pipeline currently includes the introduction of premier technologies to complement our solutions through artificial intelligence (AI), smart home building management systems/automation (BMS), a fully encrypted end-to-end communication platform (AlienCheck), and leading control systems for the market along with upgrades for our DRC series and Smart Grid Systems.

MR. PHOEURN PHALLY

Founder and Chief Executive Officer of VP.Start

Our Vision



Smart Grid Solutions

Developing and implementing Grid Modernization Solutions to enhance energy efficiency, reduce energy consumption, reduce operational costs, and upgrade grid infrastructure for improved energy access and reliability.



Smart City

Offering Smart City solutions that optimize city infrastructure, reduce carbon emissions, and enhance the quality of life for citizens, thereby making cities more sustainable, livable, and efficient.



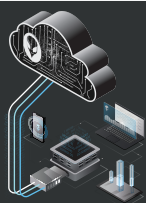
Home Automation

Offering cutting-edge Home Automation Solutions for personalized and intuitive control of home devices, appliances, and lighting, enabling customers to create a comfortable and energy-efficient living space.



AlienCheck

Creating and launching the "AlienCheck" mobile app, a social media platform that keeps you connected with loved ones while offering remote control of home devices, real-time alerts, and more, for added convenience and peace of mind.

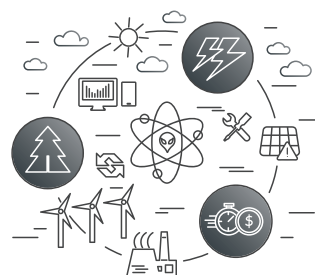


Cloud Service

Providing secure cloud services for customers to utilize cloud capabilities for storage, computing, and analytics, ensuring easy data access and management from anywhere, anytime.

Our Mission

To create a sustainable future by providing our customers with cutting-edge technology solutions that enable them to reduce energy consumption, increase productivity, minimize the operational costs, and enhance the quality of life.



Our Offices

VP.Start HQ

#15, St 604, Sangkat Boeung Kok 2, Khan Toul Kork, Phnom Penh, 120408, Cambodia.



VP.Start Media Studio

#51, St C , Sangkat Phnom Penh Thmey, Khan Sen Sok, Phnom Penh, Cambodia



VP.Start Sen Sok Valley Campus

#29, St 1946, Sangkat Phnom Penh Thmey, Khan Sen Sok, Phnom Penh, 120408, Cambodia.



Acknowledgement



Certificate

CESI

Shaping a Better Energy Future

KEMA Labs

ATTESTATION OF CONFORMITY

Number C1014762

Issued to:
VP-START TECHNOLOGY Co.,LTD
#15, Street 604, Sangkat Boeung Kok 2,
Khan Teul Kork,
Phnom Penh, 12152 - Cambodia

For the product:
DRG-001 - Device Remote Control
FW Version: 2.0.0
FW Version: 2.0.2
Engineering Software Version: 2.0.0.2

With the implemented communication protocol:

IEC 60870-5-104 ed.2 (IS 2006)

Network Access for IEC 60870-5-104 using standard transport profiles in standard direction and the VP.START default Protocol Implementation Document for IEC 60870-5-104, revision 2.2 (July 2021).

The product has not been shown to be non-conforming to the specified protocol standard, including the interface requirements.

End-to-end data element tests for the information and control points as described in manufacturer Protocol Implementation Conformance Statement (PICS) have been performed on the product's protocol implementation. Functional tests in controlled mode are performed for the following levels:

- Station Initialization
- Cyclic data transmission
- Acquisition of events
- General Interrogation
- Clock synchronization
- Command transmission

The test campaign didn't reveal any errors in the product's protocol implementation.

This attestation is granted on account of tests made in the P&P Lab of CESI S.p.A. in Milano, Italy and performed with WinPP version 4.0.3.0 Simulator and Wireshark 3.2.6 Analyzer. The results, including remarks and limitations, are laid down in our Test Report number C1004200.

The tests have been carried out on one single specimen of the product, provided by VP.Start. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the protocol tested by KEMA Labs is not the responsibility of KEMA Labs.

Milano, 30 August 2021

A. Bertani
Service & Smart Technologies Director

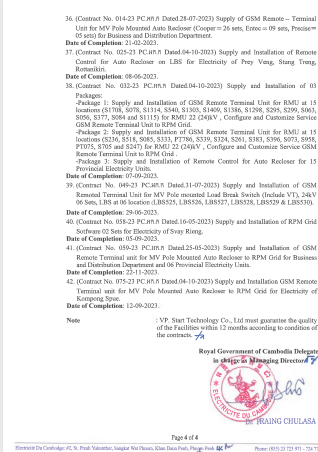
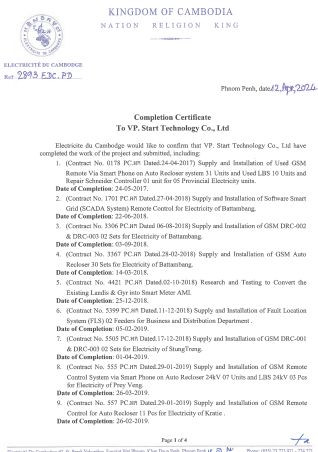
Issued by
CESI S.p.A.

A. Curtini, R.M. Seresini
Test Consultants

Remarks apply to this implementation. See the resulting Test Report(s) for full details. Publication of this document is allowed. Partial reproduction or publication of the resulting Test Report(s) is permitted only with the written permission from CESI.

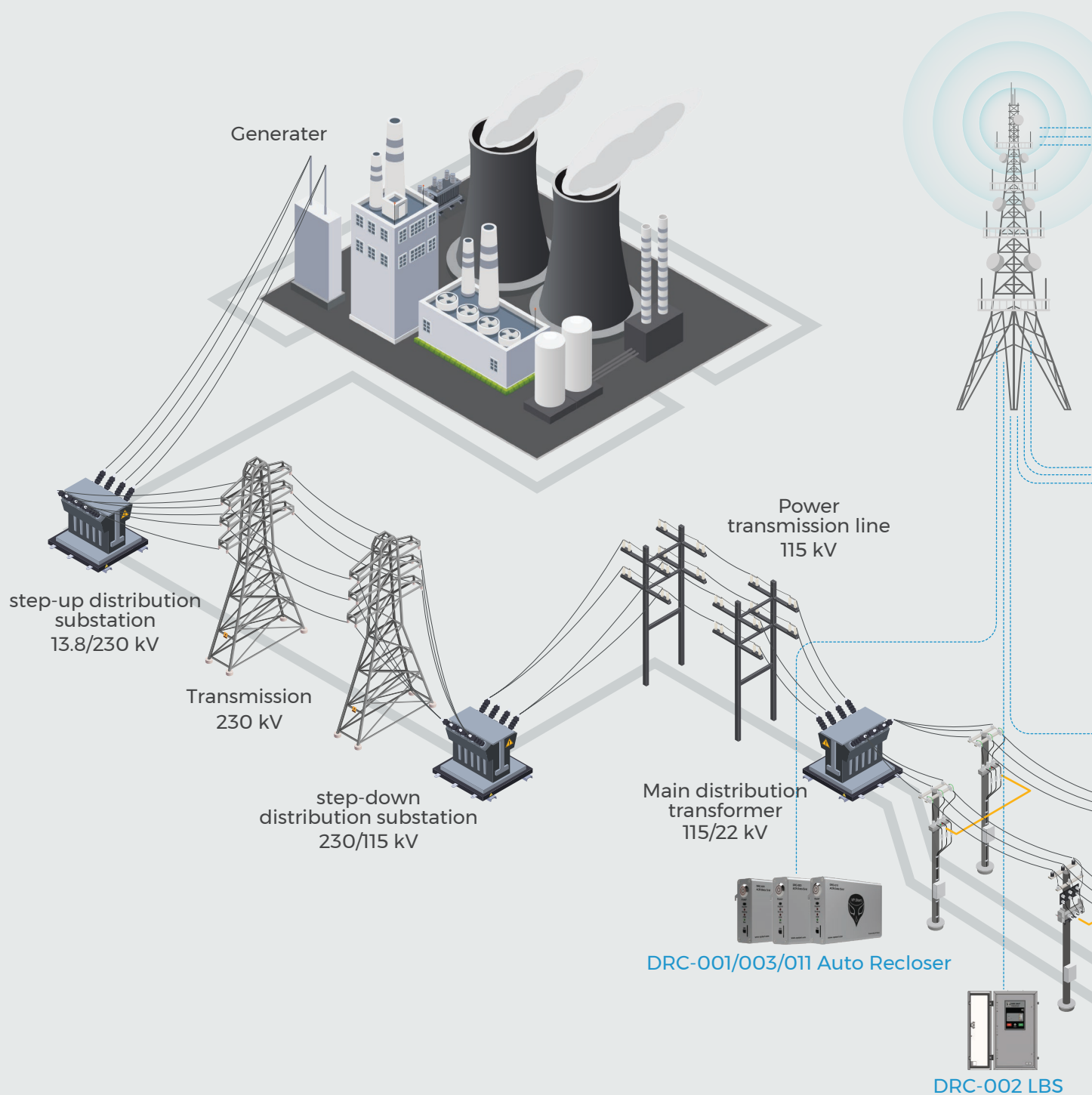
CESI S.p.A.
Address: Rudurino 54
I-20134 Milano - Italy
Tel: +39 02 31231
Fax: +39 02 3123440
e-mail: info@cesi.it
www.cesi.it

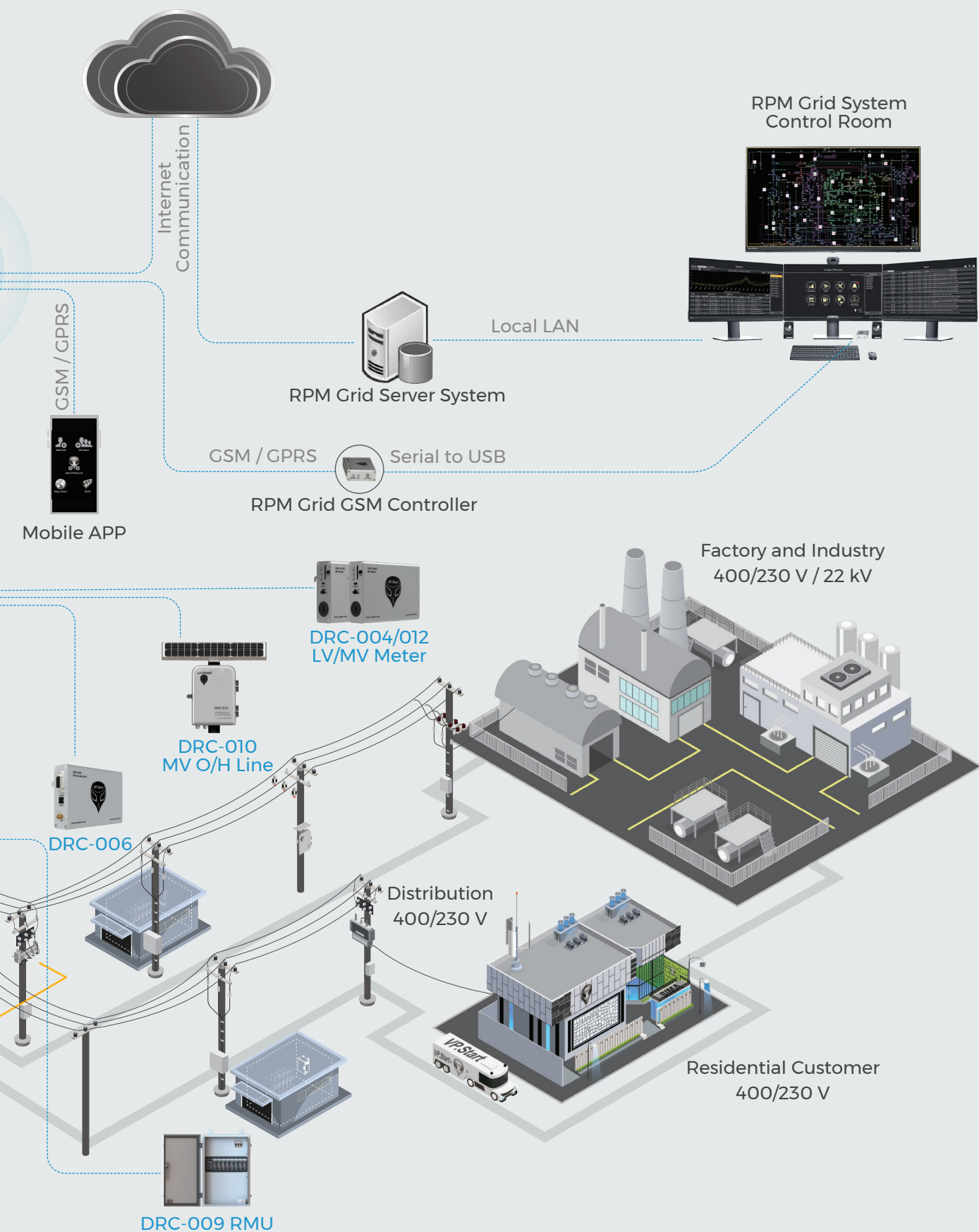
Share capital € 6.550.000 fully deposited
VAT ID no. and Registered office in Milan IT07079580150
N.R.E.A. 429221



II. Our Cutting-Edge Technology

For the past decade, VP.Start has successfully developed and implemented the cutting-edge Grid Modernization technologies that are retrofit plug-and-play, utilized with our Distribution Remote Control (DRC) series, now serving as eco-sustainable solutions.





Smart Grid Technology

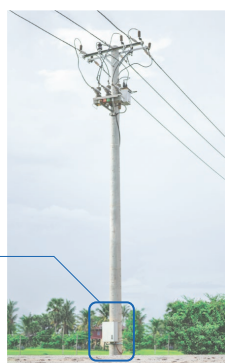
We simplify the complexities of power grid management, enabling the integration of multiple brands of existing electrical infrastructure into a unified platform for seamless operation.

▼ Distribution Remote Control Series (DRC Series)

1. Smart Grid IoT Controllers for Protection and Switching Electrical Equipment

DRC-001

Smart Grid IoT Controller for Auto Recloser



DRC-002

Smart Grid IoT Controller for LBS



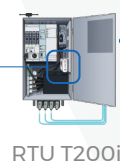
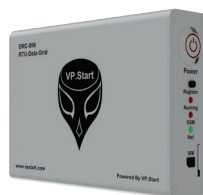
DRC-003

Smart Grid IoT Controller for Auto Recloser



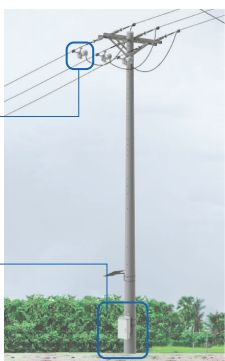
DRC-006

Smart Grid IoT Controller for Remote Terminal Unit, RTU T200i



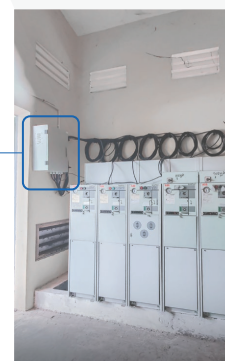
DRC-007

Smart Grid IoT Controller for Fusesaver

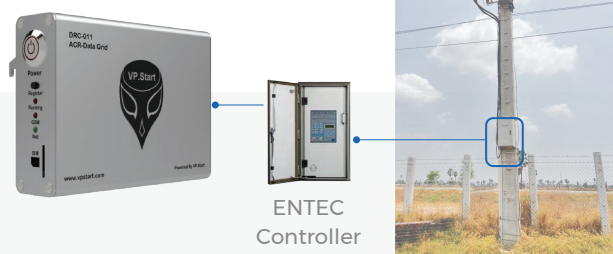


DRC-009

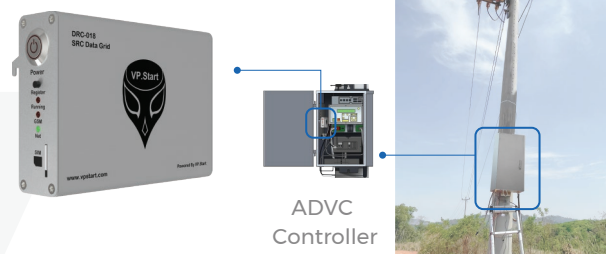
Smart Grid IoT Controller for Ring Main Unit (RMU)



DRC-011
Smart Grid IoT Controller
for Auto Recloser

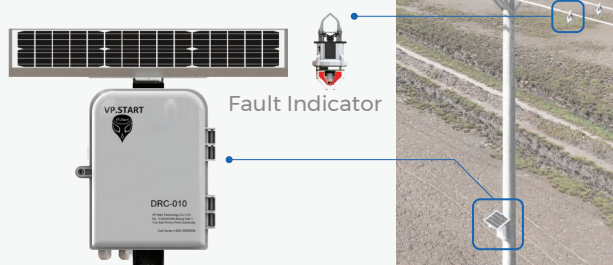


DRC-018
Smart Grid IoT Controller
for Sectionalizer

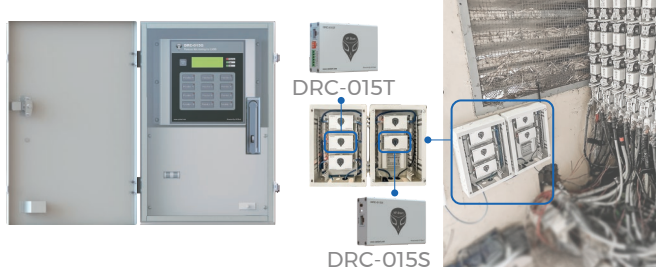


2. Smart Grid IoT Controllers for Data Gathering

DRC-010
Remote Monitoring for
Overhead Line Fault Indicator

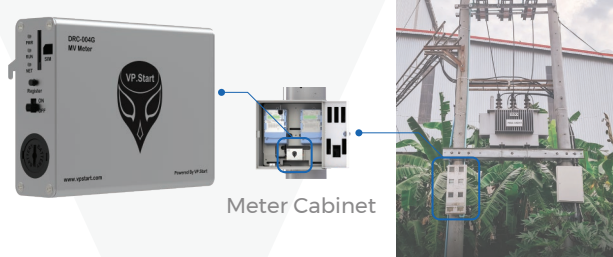


DRC-015
Remote Monitoring for Low Voltage
Distribution Board, LVDB

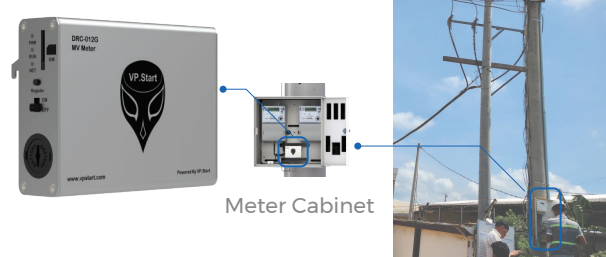


3. Smart Grid IoT Controllers for Advanced Metering Management System

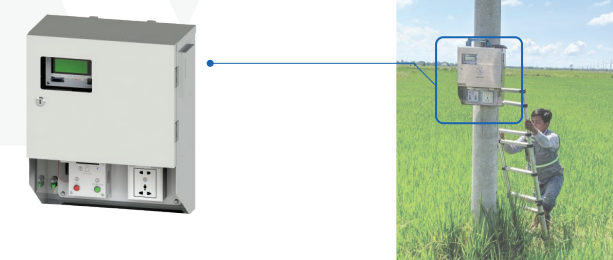
DRC-004G
Remote Monitoring for
Energy Meters



DRC-012G
Remote Monitoring for
Energy Meters



DRC-005
Prepaid Energy Meter



Smart Grid Management Systems



RPM Grid

(Remote Power Medium Voltage Grid)

RPM Grid System redefines distribution grid management, offering comprehensive efficiency, streamlining operations, and delivering significant benefits for all stakeholders, widely utilized in the Cambodian market.

RPM Grid Project Reference



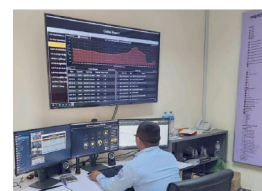
EDC - Dispatch Control Center (DCC)



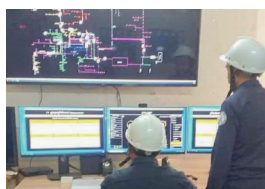
Electricity of Battambang



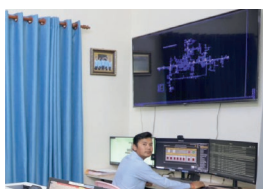
Electricity of Siem Reap



Electricity of Banteay Meanchey



Electricity of Kampot



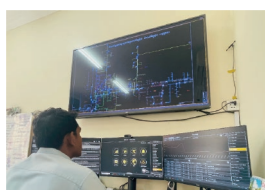
Electricity of Rattanakiri



Electricity of Mondolkiri



Electricity of Kampong Cham



Electricity of Kratie



Electricity of Kampong Speu



Electricity of Prey Veng



Electricity of Svay Rieng



Electricity of Stung Treng



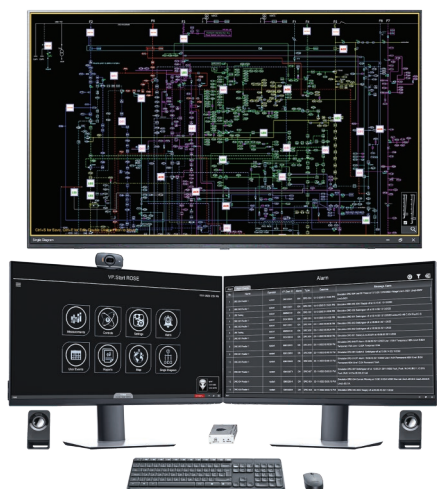
Electricity of Sihanouk Province



EDC of Tboung Khmum



Electricity of Takeo



ROSE

(Remote Operation System Enhancer)

ROSE is a cost-effective software solution tailored for small and medium-sized electrical utilities, special economic zones, and other facilities.



DRS

(Distribution Remote System)

DRS is an advanced metering infrastructure system designed to manage LV/MV meters. Through smart billing and accurate data tracking, DRS enhances revenue management, expense control, customer service, and operational efficiency.

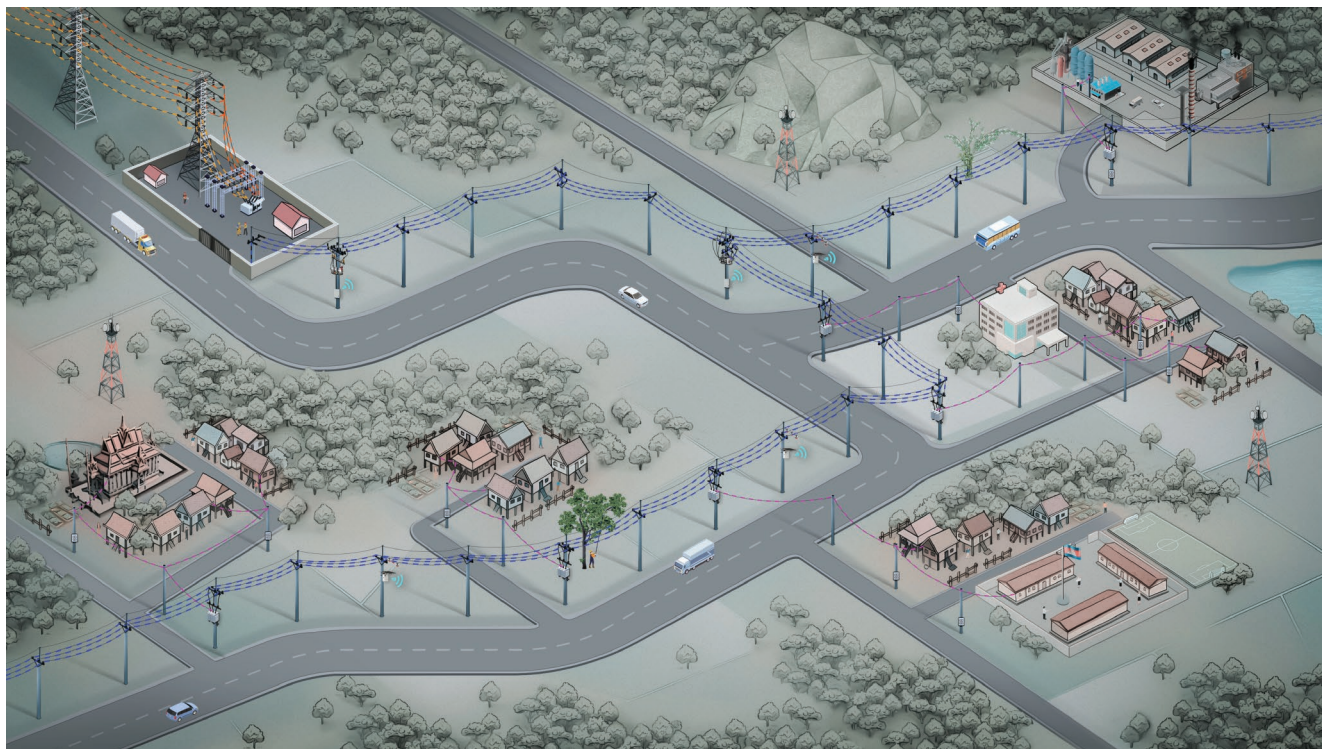


LMS

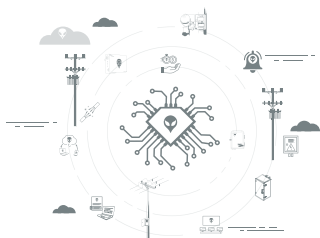
(Low Voltage Distribution Management System)

The LMS represents cutting-edge technology tailored to modernize and enhance low voltage distribution networks. LMS collects and analyzes critical data such as current, voltage, and temperature from each feeder, significantly improving system performance and operational efficiency.

Other Solutions



GRID Calculation Solution



Network Data Collection 1

Gain a comprehensive understanding of your network assets.



Network Analysis 2

Capability to deeply know your network power flow, suggestion for reconfiguration and protection & optimization.



Network Modernization 3

Suggestion for the power grid modernization and calculate the return on investment.





Repairing Services



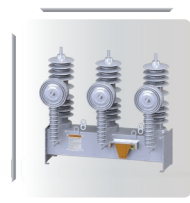
ADVC



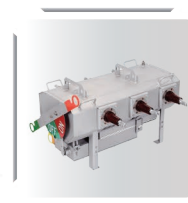
Schneider
Switchgear



Cooper
Controller



Cooper
Switchgear

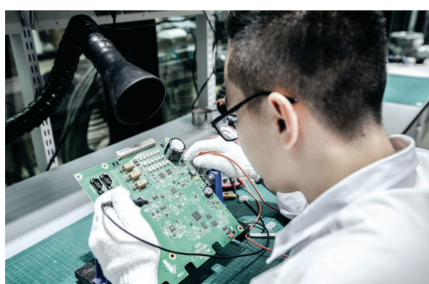


Sectionalizer



RMU

No Matter of Your Electrical Equipment Error,
“We Are here for You”



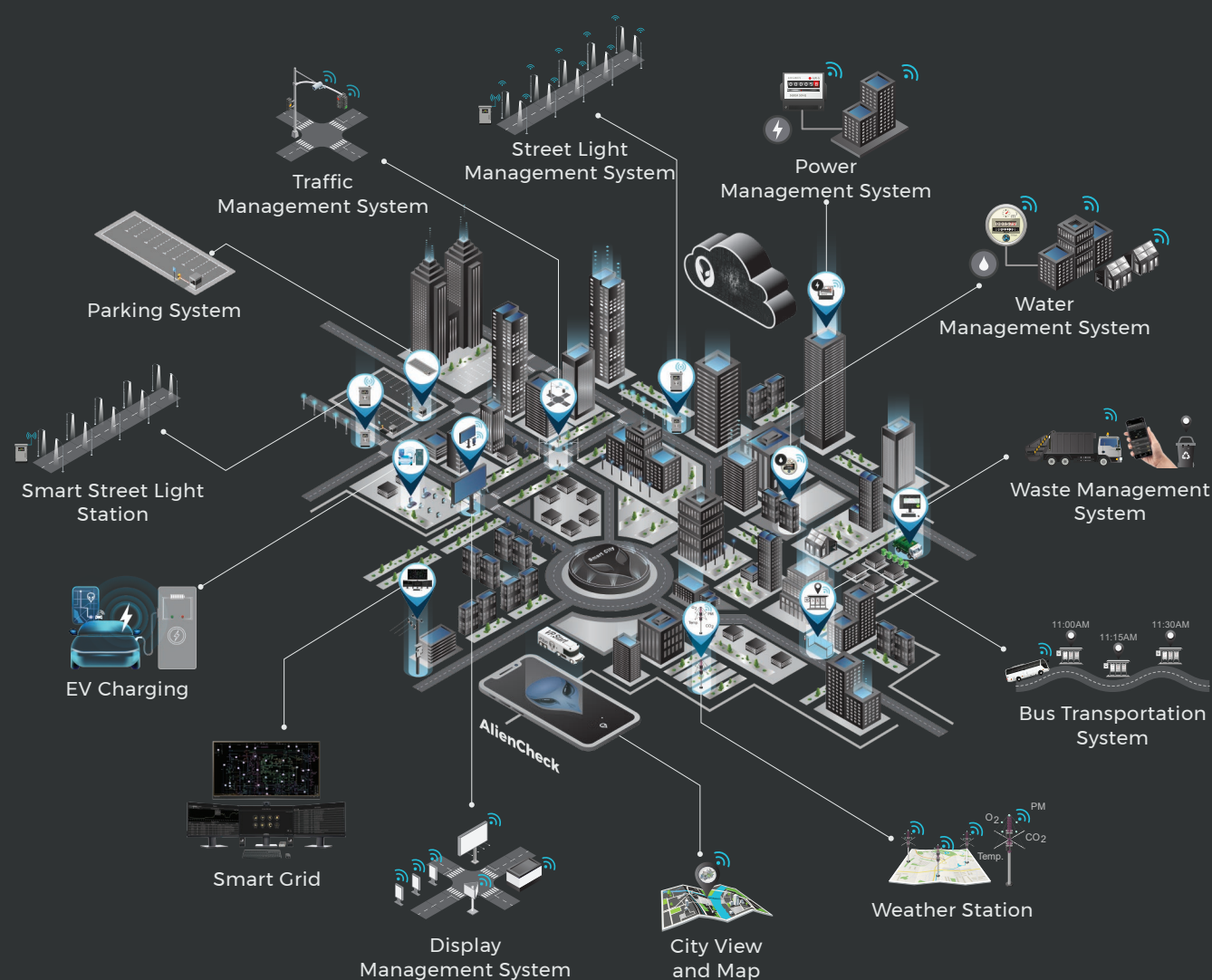
Smart City

VP.Start's Smart City solutions harness data and cutting-edge technology to enhance urban efficiency, convenience, and sustainability, transforming cities into more livable environments.

Our comprehensive suite includes energy-efficient building management, intelligent transportation systems, advanced waste management, and dynamic citizen engagement platforms.

By optimizing resource use and streamlining urban operations, VP.Start is committed to improving the quality of life for residents and fostering a greener, smarter future.

Upcoming Launch of VP.Start Smart City Solutions



NiteLite

A Smart Street Light Management System



NiteLite offers a cutting-edge solution for modernizing public street lighting, combining advanced smart sensors and controllers to enhance energy efficiency and safety. With features such as flexible scheduling, real-time maintenance notifications, and seamless integration into existing infrastructure, it provides a cost-effective upgrade for cities aiming to improve their lighting systems. NiteLite not only reduces operational costs but also supports sustainable urban development, making it an invaluable asset for forward-thinking municipalities.



SCD-001

Managing the Existing Street Light Infrastructures

SCD-001 was designed to modernize the existing street light infrastructures.

This cutting-edge solution allows operators to comprehensively monitor, remote control, set schedule and timer, and get prompt information when abnormalities happen.

By replacing the old street light station to SCD-001, authorities will receive the significant benefits, including more reliable street light management, energy savings, and prevention of unauthorized utilization.

SCD-002

Managing the New Infrastructure Development

SCD-002 is the groundbreaking technology for developing modern street light infrastructure.

This provides the cutting-edge features, including remote control to switch each light ON/OFF, instant alarm notifications in case any light is broken, and significant energy savings with its deeming function.



Home Automation

Building on our success with IoT devices, we are introducing innovative Home Automation Systems that enable residents to manage energy use, security, and comfort through connected devices.

These state-of-the-art technologies will bring the advancements into your home lighting, your kitchen, your bathroom, and your entire house.



VH-001 Smart Switch



Transforming your home appliances into smart devices, enabling homeowners to **remotely control the ON/OFF switch** through AlienCheck, while changing to digital operation.

VH-002 Smart Switch



Control your ON/OFF switch, enable **energy monitoring**, access energy consumption reports, and limit power consumption for protection.

VH-011-CW Smart Bulb



Offering comfort in the digital age with **dimming** capabilities for **adjusting colors** and a **scene mode** providing various color options.

VH-012-1C Smart Wall Switch

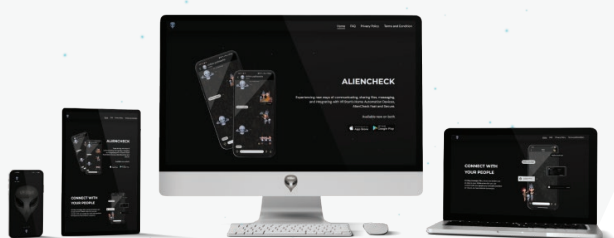


Offering both **remote** and **physical control** and ensures a personalized experience tailored to your desire.

AlienCheck

Experience new ways of communication, file sharing, messaging, and integration with VP.Start's Home Vision Devices.

AlienCheck is a multifunctional platform designed to streamline your daily operations and enhance convenience in your life.



Available now on both

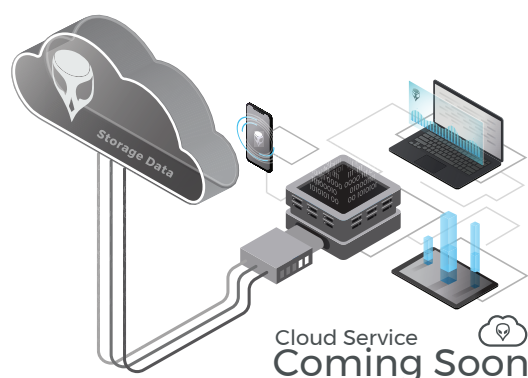


Cloud Service

Are you tired of constantly worrying about data storage, security, and accessibility? Look no further than our cloud services. This cutting-edge technology ensures that your data is safe, secure, and always within reach.

With VP.Start Cloud Services, you can say goodbye to the hassle of managing your own servers and hardware.

Our expert's team will handle all the maintenance and upgrades, allowing you to focus on what matters most growing your business.



Personal
Storage



Business
Storage

III. Project References

Our DRCs have been installed throughout Cambodia.



100

Power Utility Customers



17

Smart Grid Systems Installed



10000

DRCs Installed





Providing Top-Notch Quality Services to Our Customers



Our Main Customer (EDC)



Electric Licenses

Our long-term customers over the past 6 years.



Customer Feedback



We manage multiple provinces and have installed at least 6 of VP.Start's DRC solutions. The DRC solutions have made the timely management, operation and stabilization of energy supply in these areas possible and smooth! The RPM Grid software solution provided by VP.Start is being used on a daily basis, helps us save time and has made overall operations much faster. It has also enabled us to retrieve the right data that we need to manage our customers every time and inform them of their usage whenever they request it. VP.Start's service has proved to be the best every time.

Mr. Somori
General Manager



Before, it used to be very difficult to find where line faults occur. After using VP.Start solutions, we are now able to identify line faults instantly. It saves us a lot of time. In particular, their DRC controller gives us real time alerts about line faults and best of all we are able to collect user data usage from it. We would be happy to further deepen our cooperation with VP.Start.

Mr. Sophai
Site Manager

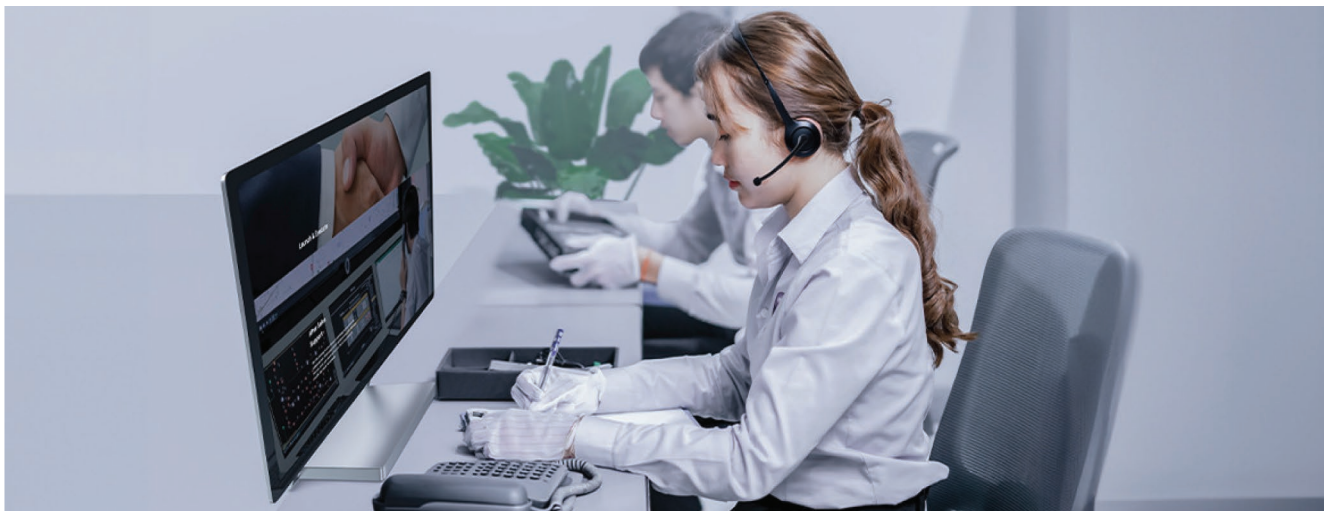


I am able to control our power source from mobile phones or computers. VP.Start's solutions helped us to save a lot of power and time by helping us identify line faults faster. Their support team is really friendly and efficient in problem solving.

Mr. Sot
General Manager

IV. Customer Care

24/7 Services



Solving the Customers' Problems



Providing Training to Customers



V. Team and Leadership

We make our own hardware and software.

Design



Embedded System



Production



Site Engineer



Software Engineer



Modeling



Quality Control

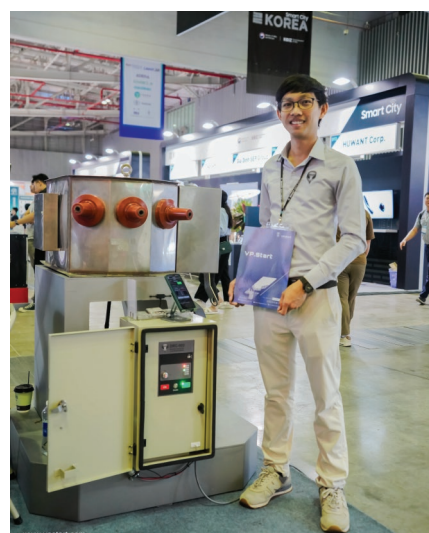


VI. International Participation

ASEAN BAC-17 Meeting



Smart City ASIA 2023



Business Tour



VII. Corporate Social Responsibilities

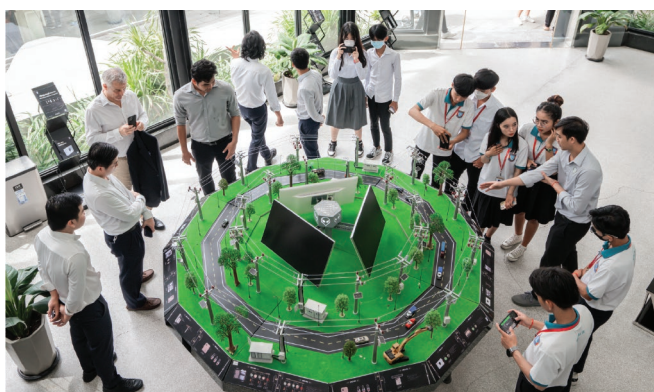
Collaboration with Universities



Objective for Enhancing Pedagogy (OEP)



TechFest



VP.Start's BOX



Charity



Note

Note

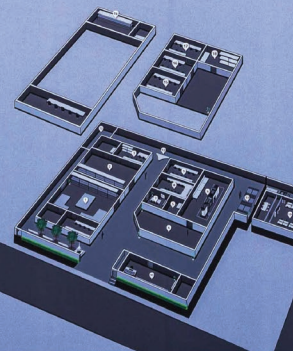
Grid System
System
Automation
Check

VI
Innova

VP.START SEN SOK VALLEY CAMPUS SIMA



MAP OF VP.START SEN SOK VALLEY CAMPUS



VP.Start

ation Through Technology

INNOVATION THROUGH TECHNOLOGY

ANNEX

1st Floor

G Floor

Production Line

TECHNICAL DIVISION

Address: 82A, Singapore, 118290

1st Floor

- Storeroom Division
- Soldering Division Management
- Final Assembly Division
- Firmware Inspection Division Management
- Packaging Division Management

G Floor

- Mechanical Registration Hub
- Production Line Mechanical Division
- Mechanical Division Assembly Line
- Paper
- Production Line Management
- Production Line Electronics Division (SMT)
- Consultation Chamber
- R&D (Junior Engineering Laboratory)
- Analysis and Measuring System Division Management
- Glass Thermal Center
- Substitution Storage
- Arcan EcoTech
- Laboratory
- Programming & Data Engineer

VP.Start

Innovation Through Technology

INNOVATION THROUGH TECHNOLOGY

VP.Start



VP.Start Technology Co., Ltd

Innovation Through Technology

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www.vpstart.com

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🌐 Website: www.vpstart.com
✉ Email: sale@vpstart.com / info@vpstart.com