

# Vector InfoTech Systems & Networks Int. Pte. Ltd.



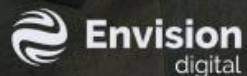
**Vector InfoTech**

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BUILD A BETTER FUTURE FOR SINGAPORE WITH THE  
**NET ZERO STARTUP CHALLENGE**

Organized by



Supporting Partners



Startup Partner



Training Partner



# Introducing VISN

## Local Team

Young, Vibrant and Sustainability-Focused company established in June 2020 to help our clients make sustainability goals a reality.

## Foundations

A local startup, spun off from a history in industrial networks & telecommunications.



## Systems Integrator

Our DNA is that of a system-integrator, embracing sustainability as our renewed strategic focus.

## Business Building

Leverage on its people's rich expertise to be engineering field-specialists for new opportunities in sustainable solutions for the built environment.

# Why we work in sustainability & net-zero

## Global Context

- As of today, 39% of global carbon emissions are produced by buildings, and 60% of global electricity are consumed by buildings, where people live and work.
- To move faster towards a net-zero future, finding ways to efficiently manage a building's existing assets has become important driver for current innovations.

## VISN's Position

- Hence, we decided to focus on digital systems for existing building operations, new assets for renewable supply, solutions for new demand sources like EV charging, and software applications that advance the deployment of each of these solution categories.



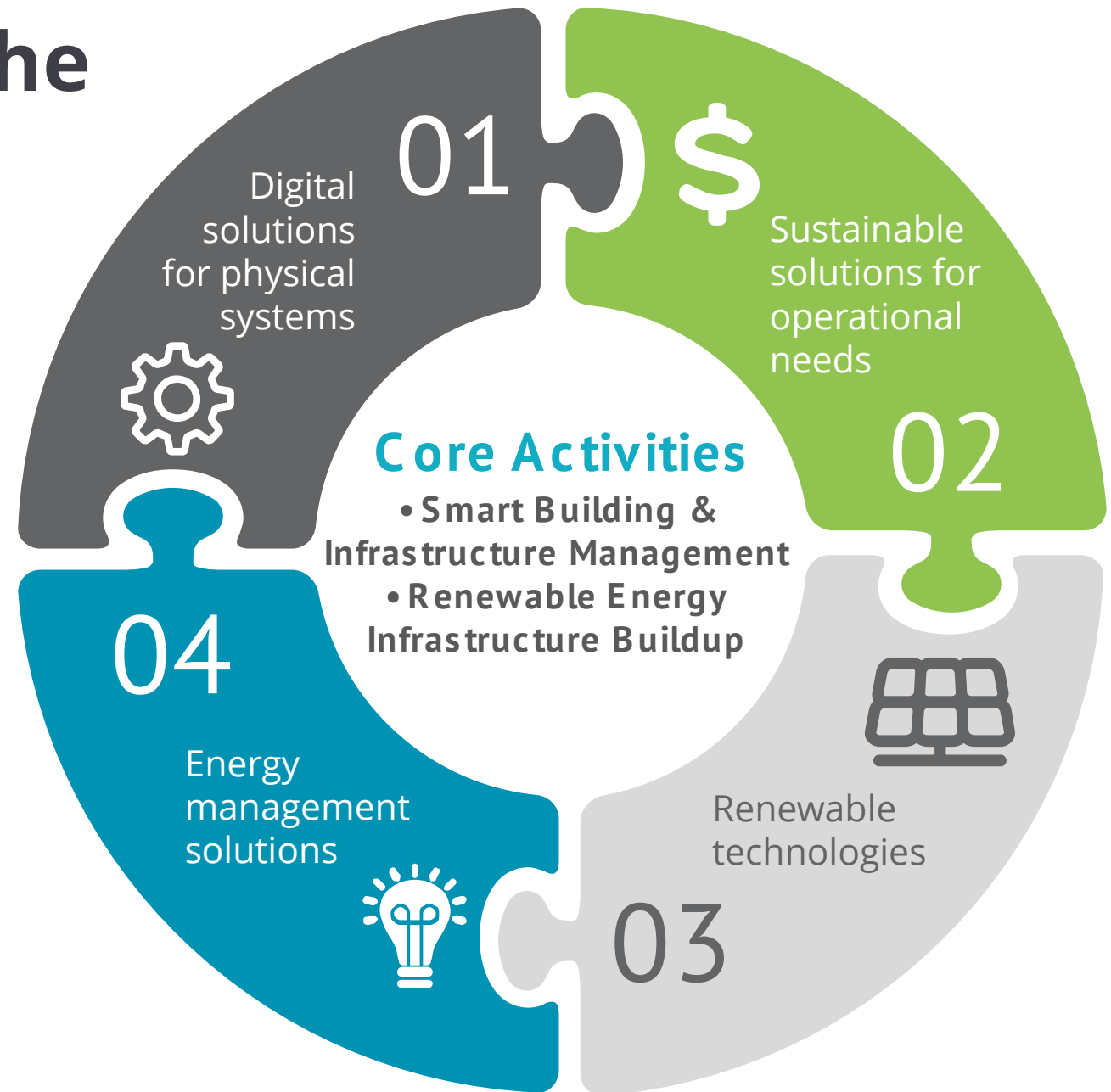
# How we contribute to the net-zero agenda

Our core activities and 4 practice domains.

## *What have we done to-date?*

Today, we are proud to share 2 of such projects we have been doing with our partners.

- HDB Asset Monitoring System, in partnership with *ST Engineering*
- Pulau Ubin Microgrid, in partnership with *EDPR Sunseap APAC*





# HDB Asset Monitoring System

- HDB vision to build “intelligence-driven estates with exceptional facilities management and extraordinary retail experiences”
- Integrate existing systems and assets with new sensors to facilitate the sending of data to Smart Estate Management System (SEMS) and/or for the operation of the cloud BMS.
- All sensors are open standards-based, cloud-compatible, and adaptable to evolving future technology needs.
- Phase 1-3 officially handed over and in full operational since early 2022. Phase 4 scheduled to complete by Aug 2022.



# Pulau Ubin Micro-Grid

Micro-grid in Pulau Ubin, an island north-east of Singapore and aims to assess the reliability of electricity supply within a micro-grid infrastructure using intermittent renewable energy sources such as solar photovoltaic (PV) technology. Solar Green Roof and an advanced energy storage system to increase the use of renewable energy on the island.

- Cleaner energy
- Reliable electricity supply
- Cost-competitive electricity
- Scalability



# EV Charging Infrastructure.. a different take.

The vision of a 100% EV future in Singapore will become a reality, but how fast can we get there?

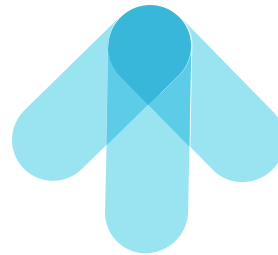
We want to accelerate EV adoption by providing an alternative approach to speed up EV infrastructure build-up. One that allows for higher accessibility and availability of EV chargers while providing end users with a positive charging experience.

***High Accessibility Plug and Play Electric Vehicle (EV) Charging in Brown-field Infrastructure, Optimised Through AIoT-enabled Energy Orchestration of Grid Supply, Solar Photovoltaic (PV) System, and Energy Storage System (ESS).***



*Optimising charging infrastructure buildup through demand-side innovation.*

**“Avoid enforced upgrades”**



*Providing highly accessible & available charging facilities for extended-based usage.*

**“Democratize EV charging”**

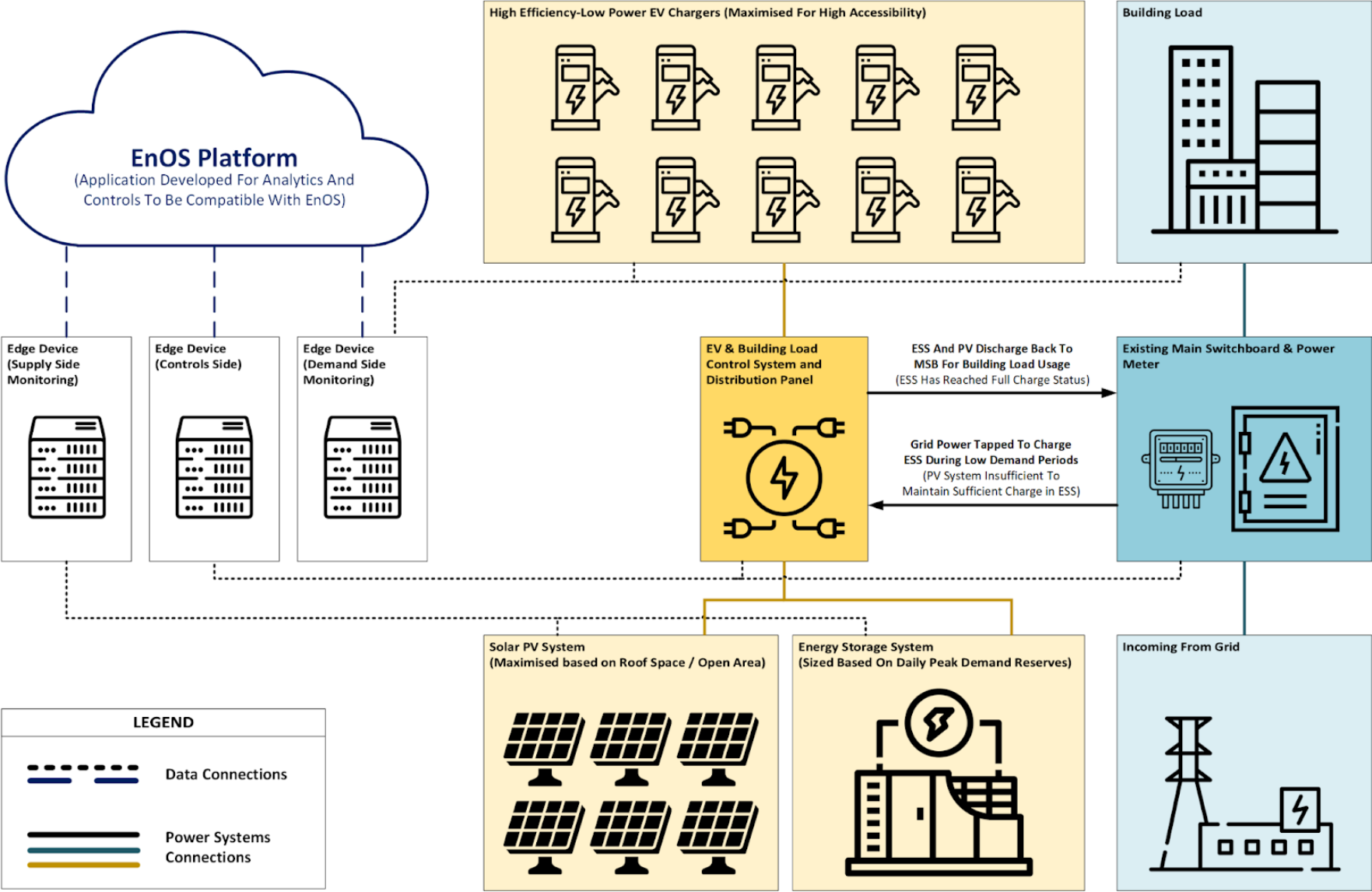


*Delivering first-class user experience by matching users' true needs to pricing models.*

**“Give users a choice”**



# Solution Architecture





# Partner with us

1

## Bridge

Critical bridge between  
*advanced technologies*  
and *client needs*

2

## Integrate

Go-to systems integrator  
for bespoke client needs

3

## Implement

Field specialist for  
implementation of  
physical systems



### What we bring to the table:

- Strong project execution
- Experienced system integrator
- Extensive sub-con network
- First-class client service
- Strong teamwork

# Connect with Vector InfoTech

