

# INNOVATION

Partnering of the Future for Sustainability



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# Climate change is one of the most defining issues of our time

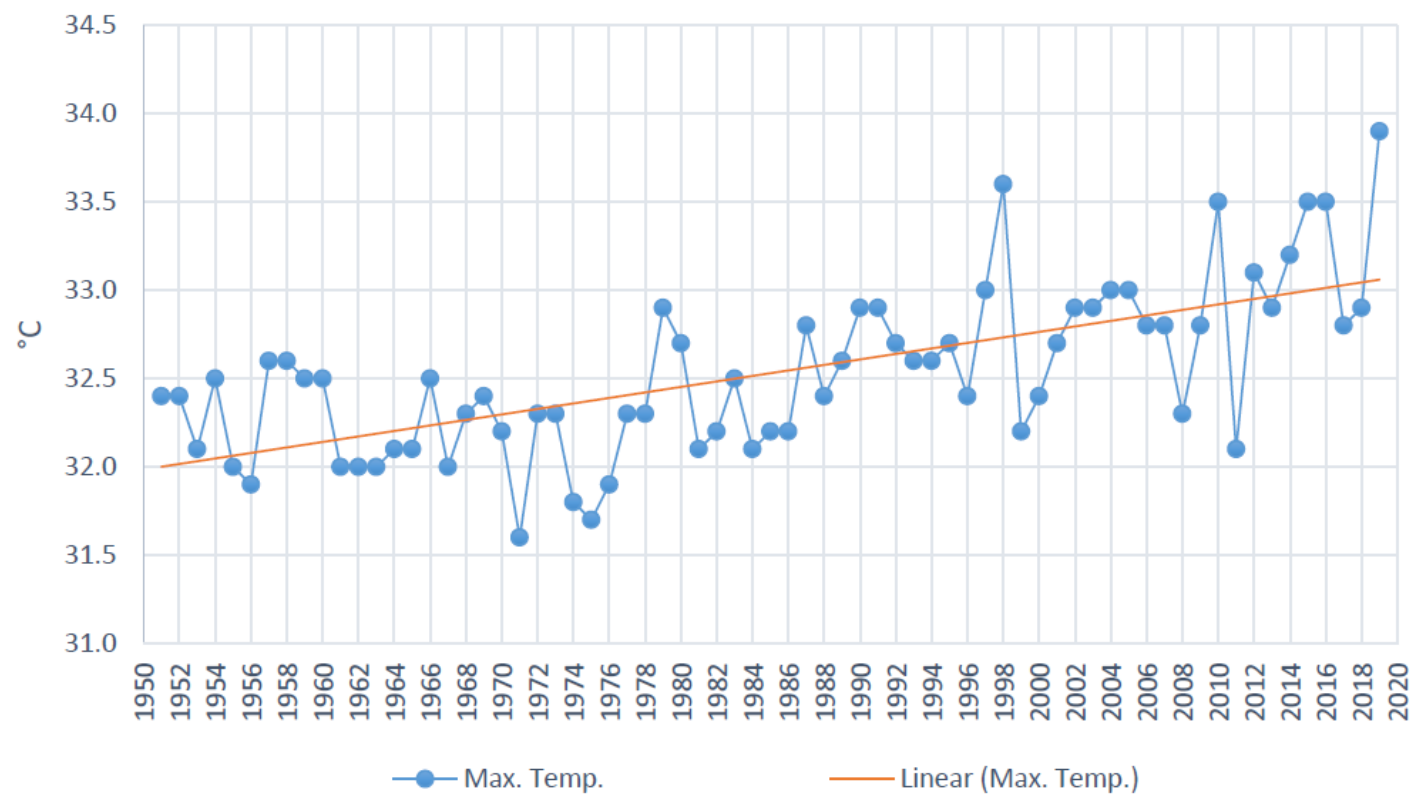


Figure 1-2: Annual mean maximum temperatures in Thailand



**Climate change: floods and droughts will be greater than earlier thought, UN scientists warn**

- Every 1 degree Celsius rise in global warming is projected to lead to a 7 per cent increase in the number of extreme daily precipitation events worldwide
- The world's sea level will rise by 10cm (23.6 inches) by 2100, based on the best emissions scenario closest to the current trajectory



In an interview with "The Chiefs" aired on Signal TV's One News last Tuesday night, Solidum stressed that global warming of 1.5 degrees Celsius has dire effects on one of the most at-risk countries from the climate crisis.

Accelerated Climate Action Towards a Net-Zero ASEAN

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THE TIMES OF INDIA

**g ESG messages for business edge**

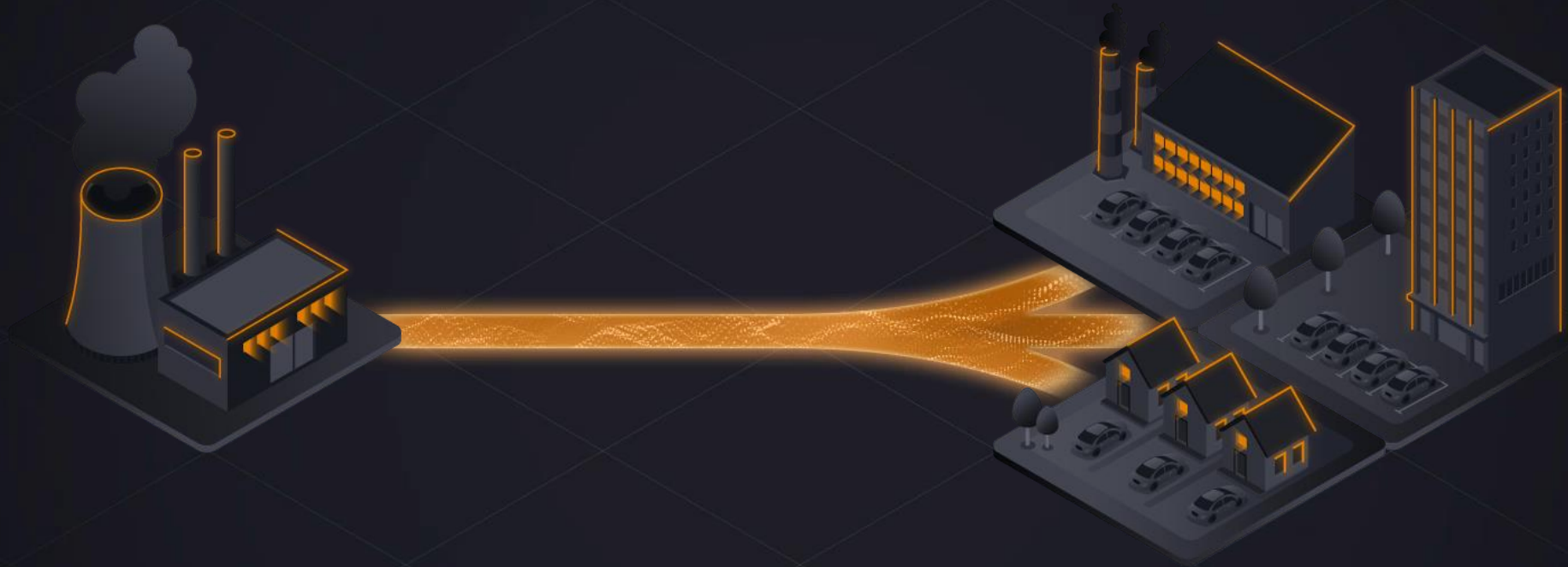
Making an impact beyond the obvious, the Covid-19 pandemic is fuelling an  
**Singaporeans see climate change as top challenge for S-E Asia in 2023: Survey**



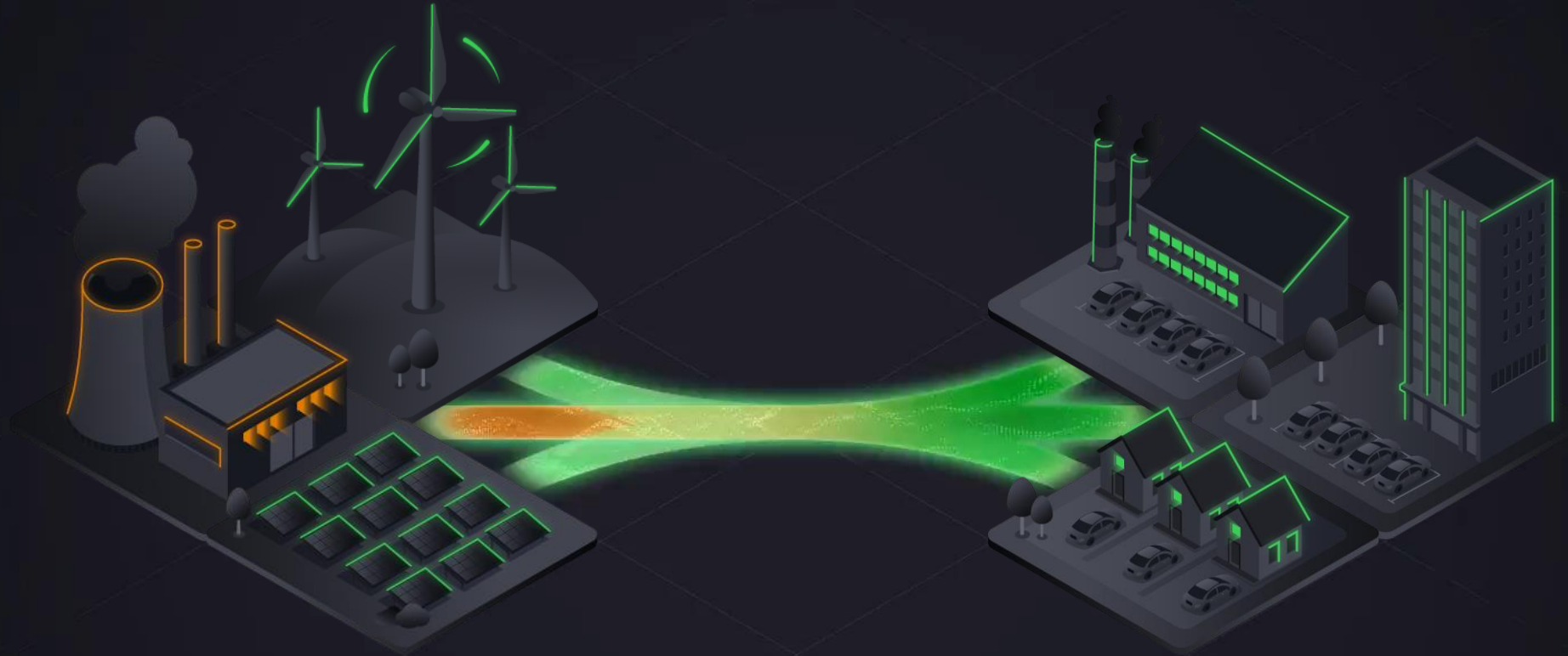
More than 60 per cent of the Singaporean respondents listed climate change as the biggest problem. ST PHOTO: ALPHONSOUS CHEN

Electricity 4.0  
is already **in progress**

From linear **fossil fuel supply** and **demand**

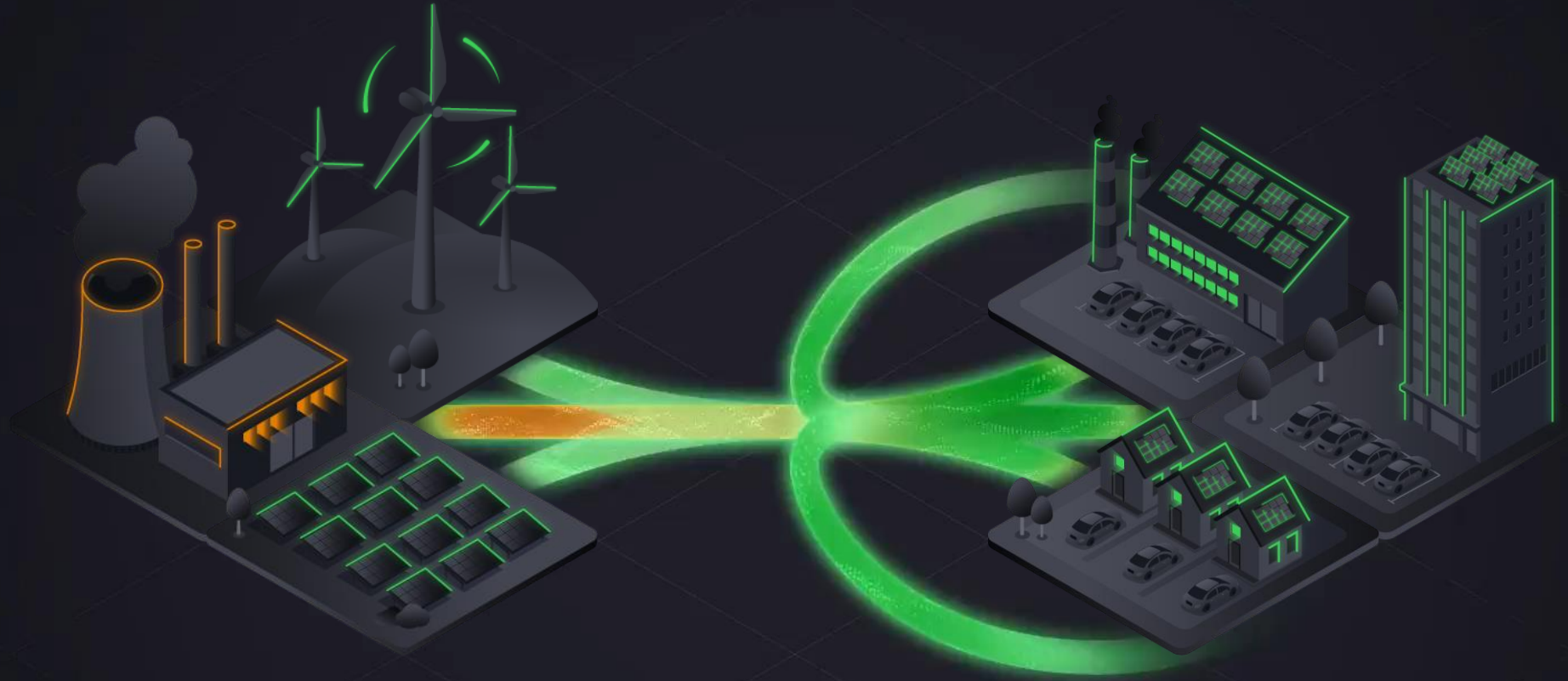


to a cleaner energy **supply** with **increasing renewables...**

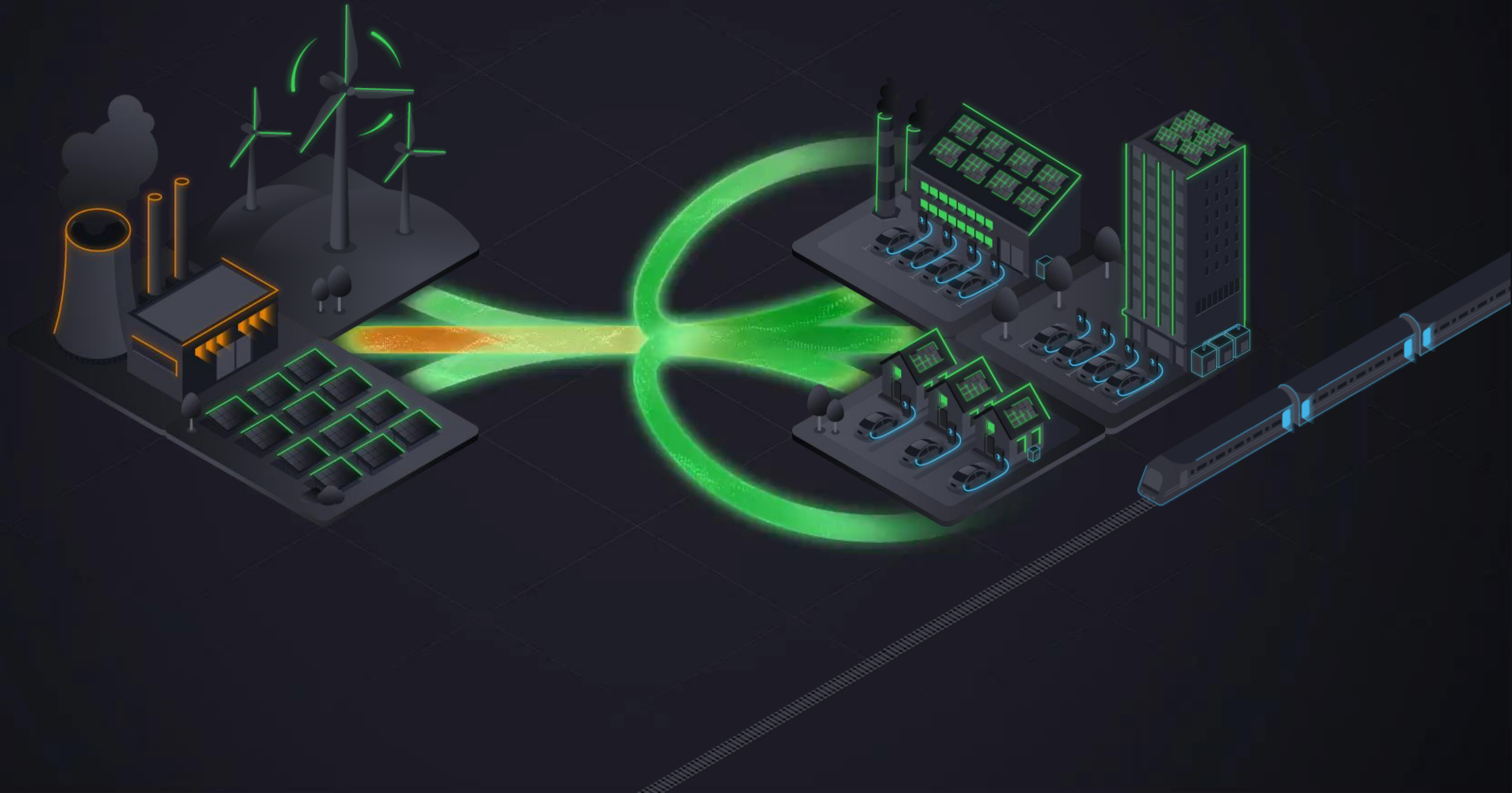




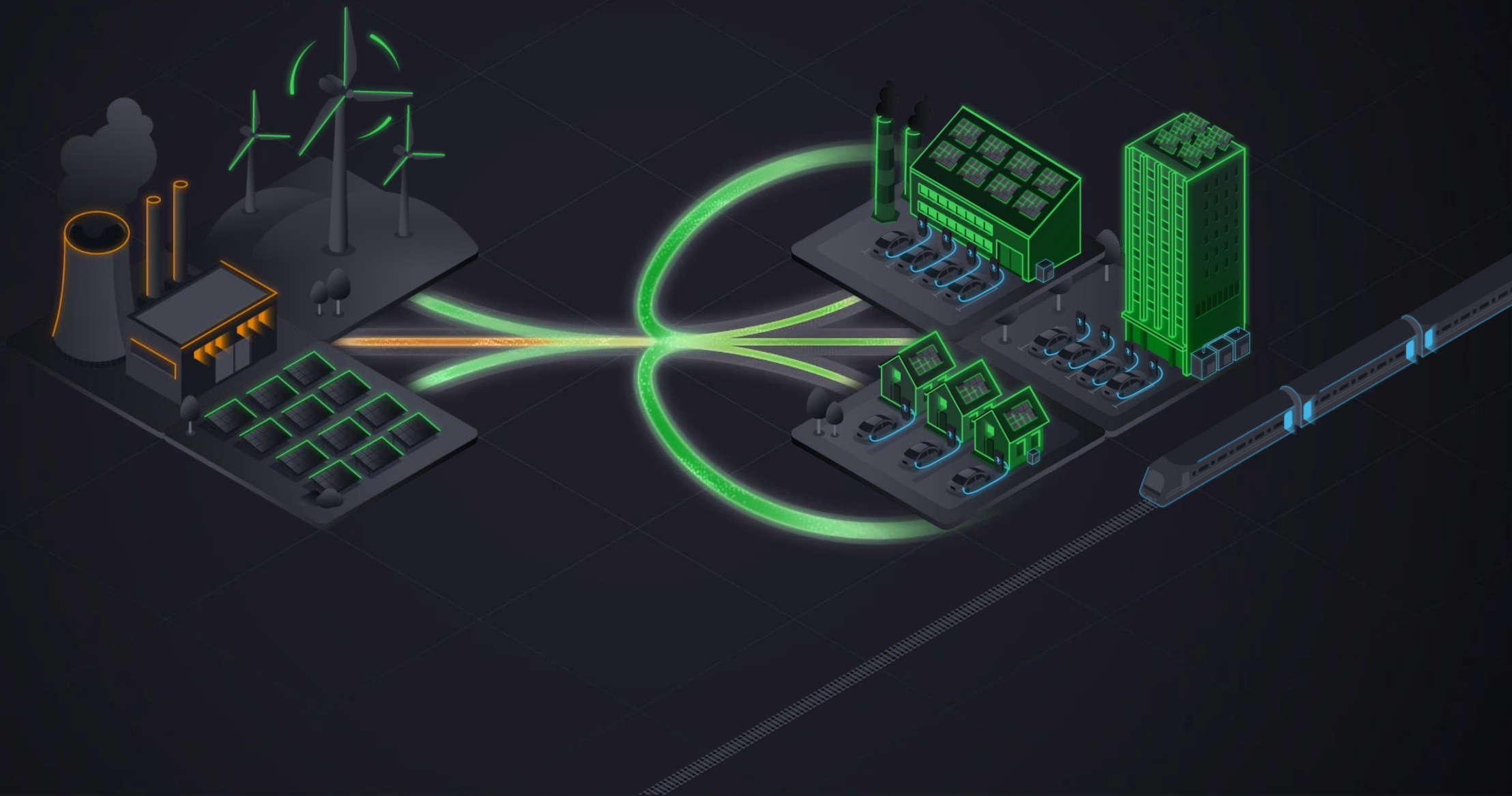
... and **prosumers** feeding a **bi-directional, flexible grid**.



Increasing **Electrification** is reducing dependency on fossil fuels



And **digital technology** is driving **demand optimization**





# Decarbonizing supply is only one side of the energy coin



**Replace**  
energy supply  
**45%\***



**Offsite renewables investment**  
PPAs, Tax Equity, Community Solar



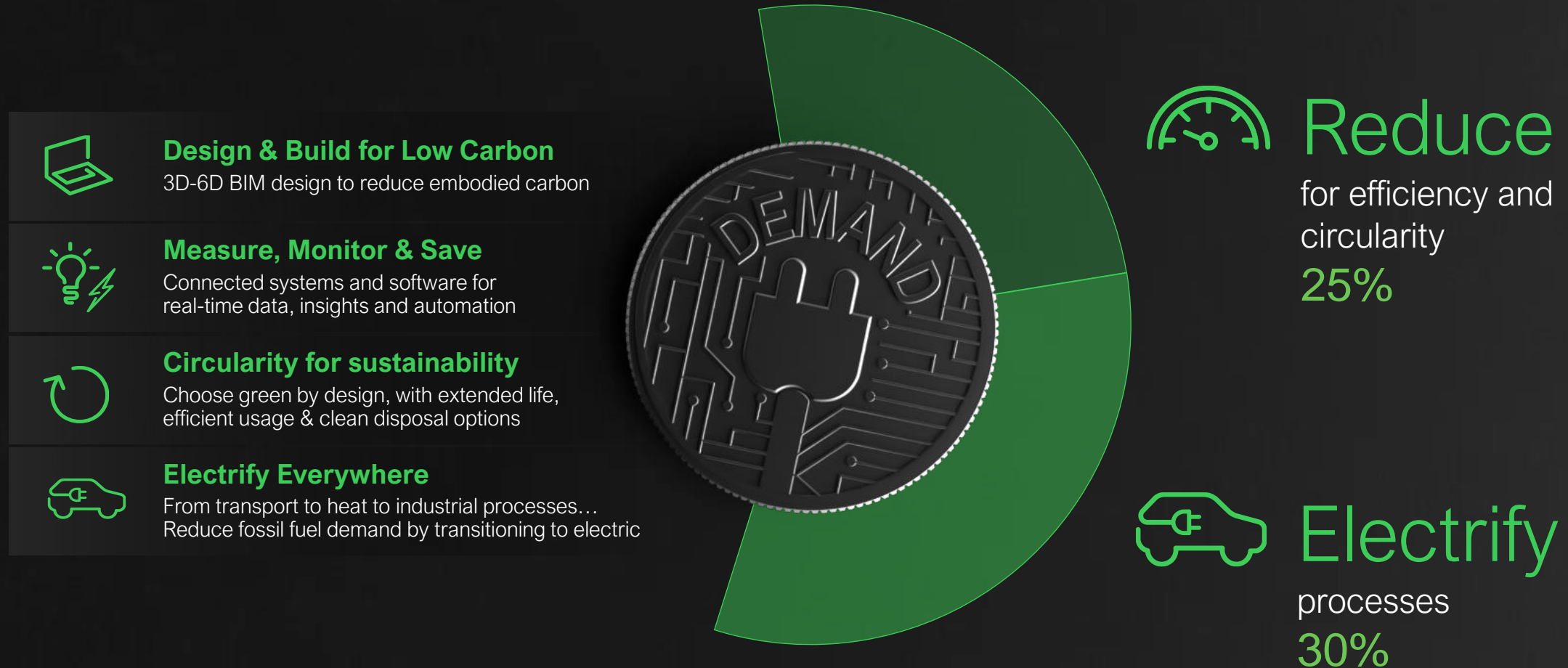
**Onsite renewables generation**  
Solar, storage, microgrid



**Energy Attribute Certificate**  
RECs, GOs, I-RECs, LGCs, etc.

\*Contribution to net-zero energy by 2050

# We need to look at both sides... and tackle **energy demand**



\*Contribution to net-zero energy by 2050



# Partnerships of the Future

It is our collective  
duty to massively deploy  
**Electricity 4.0**

Decarbonization is  
the fastest route to  
a sustainable future



# Decarbonizing the economy is a business opportunity...

## “ความตกลงปารีส” กับประเทศไทย

สำหรับประเทศไทยนั้นได้เข้าร่วม “ความตกลงปารีส” เมื่อวันที่ 21 กันยายน 2559 โดย พล.อ.ประยุทธ์ จันทร์โอชา นายกรัฐมนตรี เข้าร่วมการประชุมสมัชชาสหประชาชาติสมัยสามัญ ครั้งที่ 71 ที่นครนิวยอร์ก สหรัฐอเมริกา และได้มอบสัตยาบันสารเข้าเป็นภาคีความตกลงปารีสของไทยให้กับนายบัน คีมุน เลขาธิการสหประชาชาติ ณ สำนักงานใหญ่สหประชาชาติ

ทั้งนี้ ประเทศไทยได้ให้ข้อเสนอการมีส่วนร่วมของประเทศในการลดก๊าซเรือนกระจกและการดำเนินงานด้านการเปลี่ยนแปลงสภาพภูมิอากาศ กับประชาคมโลก (National Determined Contribution – NDC) โดยตั้งเป้าลดการปล่อยก๊าซเรือนกระจกให้ได้ร้อยละ 20–25 ภายในปี พ.ศ. 2573 ตามร่างแผนที่นำทางการลดก๊าซเรือนกระจกของประเทศ ปี พ.ศ. 2564–2573 (Thailand’s Nationally Determined Contribution Roadmap on Mitigation 2021–2030 หรือ NDC Roadmap on Mitigation 2021–2030) ผ่านการดำเนินการในสาขาต่าง ๆ อาทิ สาขาพลังงานและขนส่ง สาขากระบวนการทางอุตสาหกรรมและการใช้ผลิตภัณฑ์ และสาขาการจัดการของเสีย

# Transforming Our Customers' Decarbonizing Journey

Our unique value proposition

is to support our customers on climate, from strategy setting to execution

3-step  
approach



**STRATEGIZE**

Major  
steps  
involved

- **MEASURE** enterprise baseline
- **CREATE** decarbonization roadmap
- **STRUCTURE** program & governance
- **COMMUNICATE** commitment



**DIGITIZE**

- **MONITOR** resource usage & emissions
- **IDENTIFY** saving opportunities
- **REPORT** and benchmark progress



**DECARBONIZE**

- **ELECTRIFY** operations
- **REDUCE** energy use
- **REPLACE** energy source
- **ENGAGE** value chain

Schneider  
Solutions

Consulting  
(Agnostic)

Digital Platform & Services  
(EcoStruxure Resource Advisor)  
(Neo-Network)

SE Solutions + Partner Ecosystem  
(Energy efficiency  
Electrification / Smart grid  
Green Premium products  
Services for circularity)



# Schneider Electric's comprehensive portfolio of innovations can help you execute on each decarbonization lever

## ELECTRIFY

### Operations

#### Mobility



EV Solutions

#### Industrial & Building Process

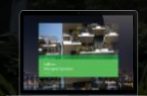
Electricity 4.0



Consulting

Industry 4.0

#### Microgrid



EcoStruxure Microgrid Operation

## REDUCE

### Energy Use

#### Digitization



Power Logic Power Meters



EcoStruxure Power



PrismaSeT Active Panelboards

#### Efficiency



AirSet SF6-Free Switchgear



UPS

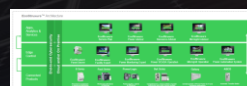


Altivar Variable Speed Drives

#### Optimization



EcoStruxure Service Plans



EcoStruxure architectures

## REPLACE

### Resources

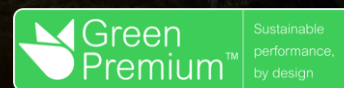
#### Sustainable Packaging



recycled cardboard & re-usable containers



#### Eco-Friendly Products



Green Premium eco label



Okken/BlokSeT HBB



Canalis Track

#### Material & Space Optimization

## ENGAGE

### Value Chain

#### Vendor & Supplier Decarbonization



NEO Network Platform



Zero Carbon Project

#### Circularity



Circular Product Certification



EcoFIT™ Retrofit services

#### Design & Build for Sustainability



RIB etap



# Act now to future proof your business for Life

Partnering for Sustainability means co-innovating simplified, open, and digital solutions that have a real, beneficial impact on the environment



## Simplified

Natively connected and connectible products and solutions that simplify and accelerate your sustainability & efficiency efforts.



## Open

An open community & partner program to upskill and share knowledge; open architectures to help you to deliver the right solutions to your customers.



## Digital

Digital tools & digitalized systems to help drive your transformation and deliver services that help sustain and grow your business.









**Schneider**  
Electric

and

**DELMIKO®**





# Partnering for **Sustainability**

Sustainability programs and digital tools

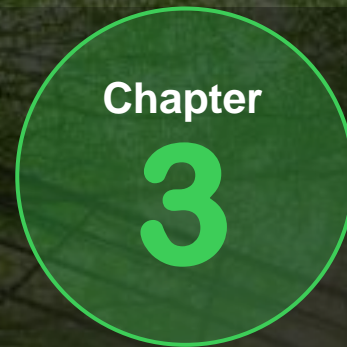
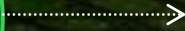
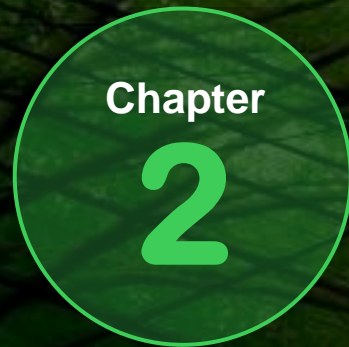
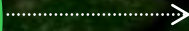
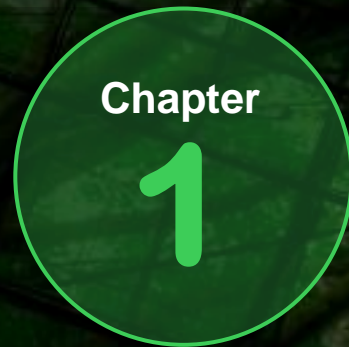
Life Is On

**Schneider**  
Electric



# Sustainability School for Partners

Closing the sustainability knowledge/skills gap in our ecosystem



Understand  
sustainability and  
what we all risk

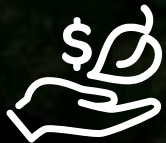
Discover how to  
take action as a  
company

Leverage skills to  
increase business  
opportunities

Available Now

Available Q3 2023

Available Q1 2024



Educating all partners that **sustainability is a business opportunity**

## LANGUAGES AVAILABLE

✦ Voice by local actor:



✦ Subtitles only:



## LAUNCH TARGETS

✦ Country targets:



✦ Channel targets: all channels






# Empowering partners on their sustainability journey


Helping our ecosystem partners to **strategize**, **digitize**, and **decarbonize**





*We help our partners **strategize**...*

- Sustainability School
- Zeigo Activate



*We help our partners **digitize**...*

- Zeigo Activate
- EcoXpert Program



*We enable partners to **decarbonize**...*

- Zeigo Activate Marketplace for Partners
- Path to Net Zero Partner Program (under development)
- Redefine Architecture





# Partnering of the Future for Sustainability