

abellio

Twickenham Depot

# Electrified Ecosystems

Zero Emissions Bus Workshop  
London, 24 May 2023



# Leading the energy transition

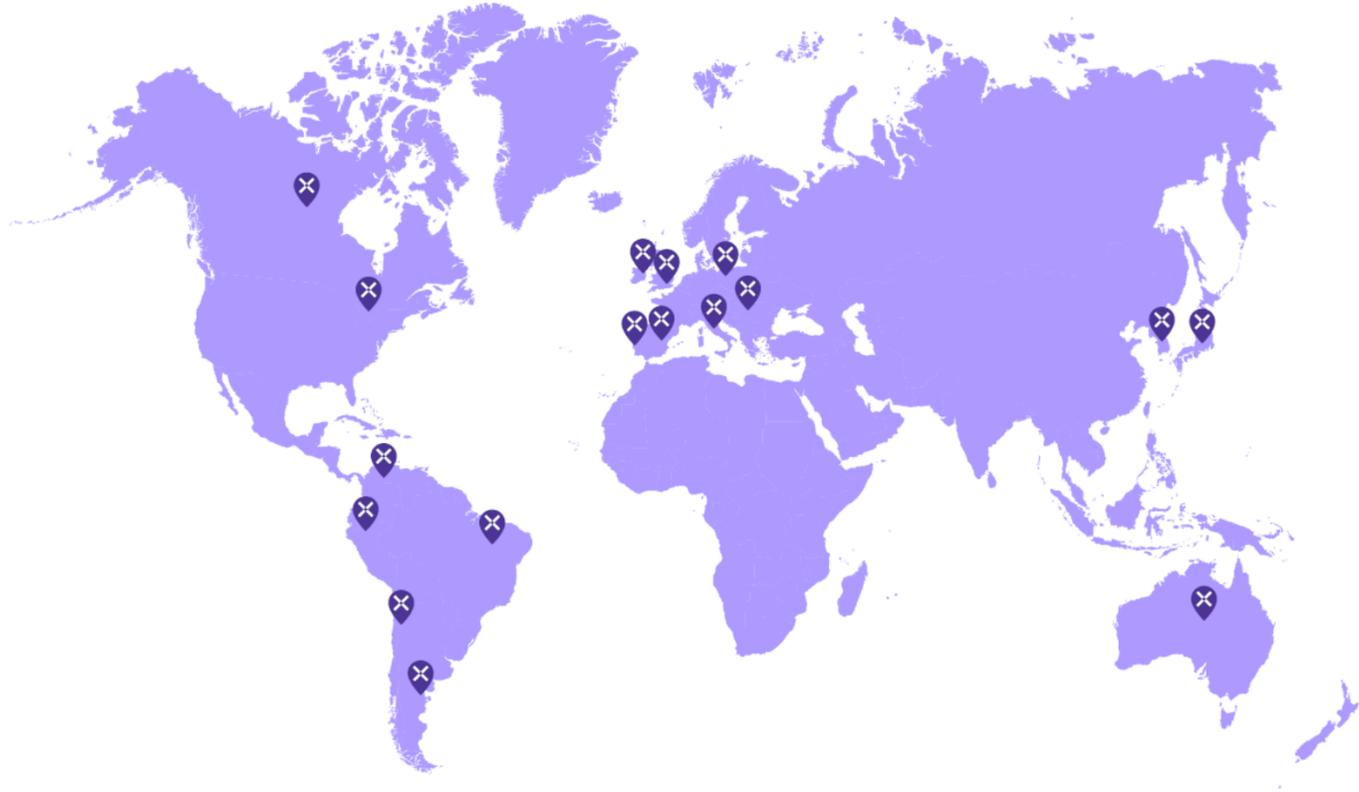


**Enel X makes joining the electric mobility journey easier than ever.**

We are committed to offering:

- Scalable, Smart innovative solutions
- Overcoming usage barriers
- Creating sustainable and shared value for everyone, everywhere.

**Globally, we are responsible for:**



**>5k**  
eBuses  
served

**>1.7k**  
Charging  
Stations

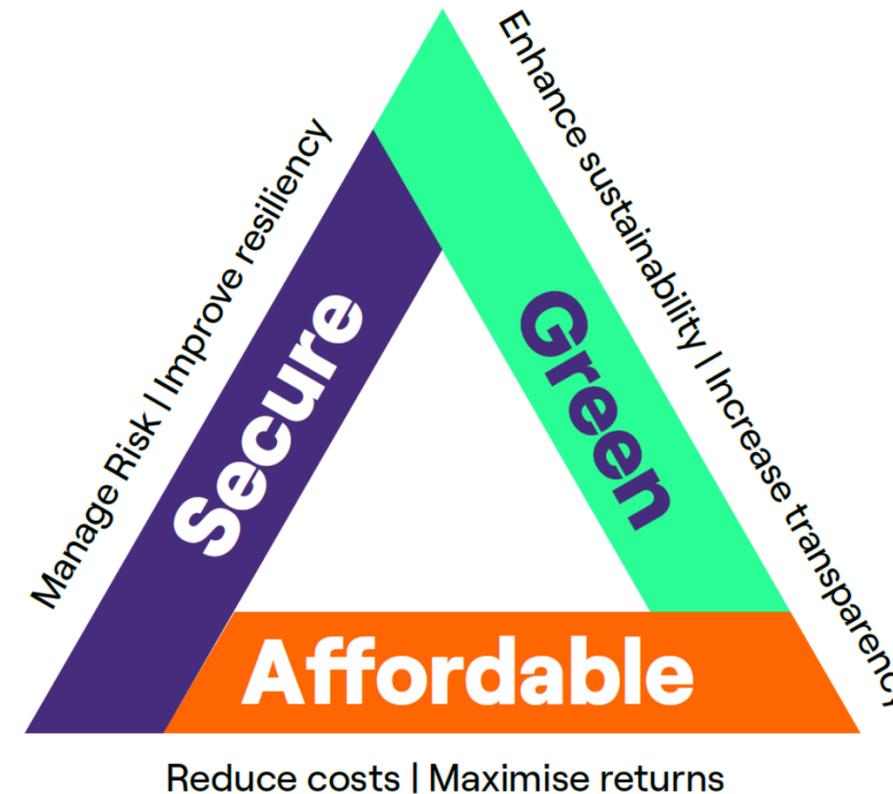
**760MW**  
battery energy storage  
installed capacity  
BTM, FTM, Enel Plants

**246MW**  
Distributed energy  
generation assets

**8.5GW**  
demand side response  
capacity managed



- ✓ Energy price volatility
- ✓ Grid instability
- ✓ Global events
- ✓ Increased complexity



**“... the transition to net zero is a risk that needs to be managed as well as an enormous commercial opportunity to grasp.”**

Mark Carney, Finance Adviser to the Prime Minister for COP 26 and UN Special Envoy for Climate Action and Finance

# Electrified Ecosystems:



Fleet electrification is a process with multiple layers...

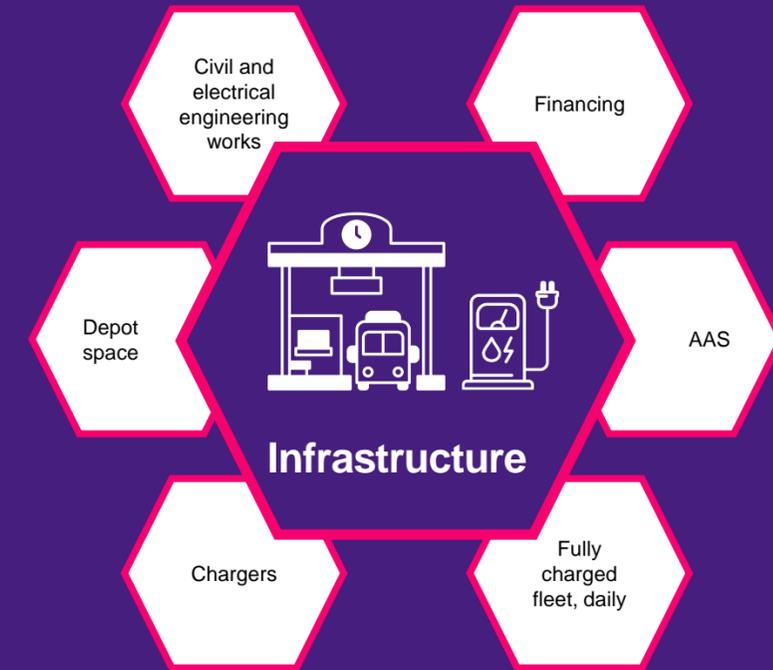
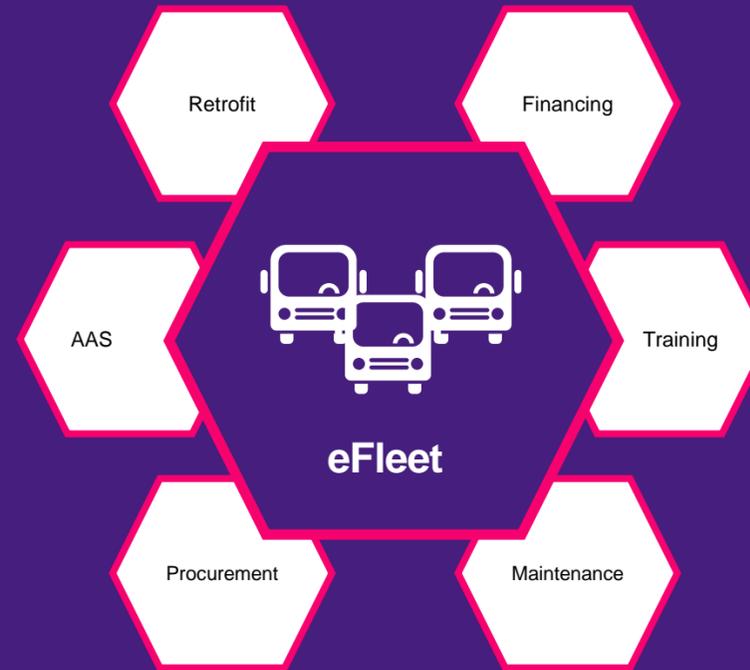
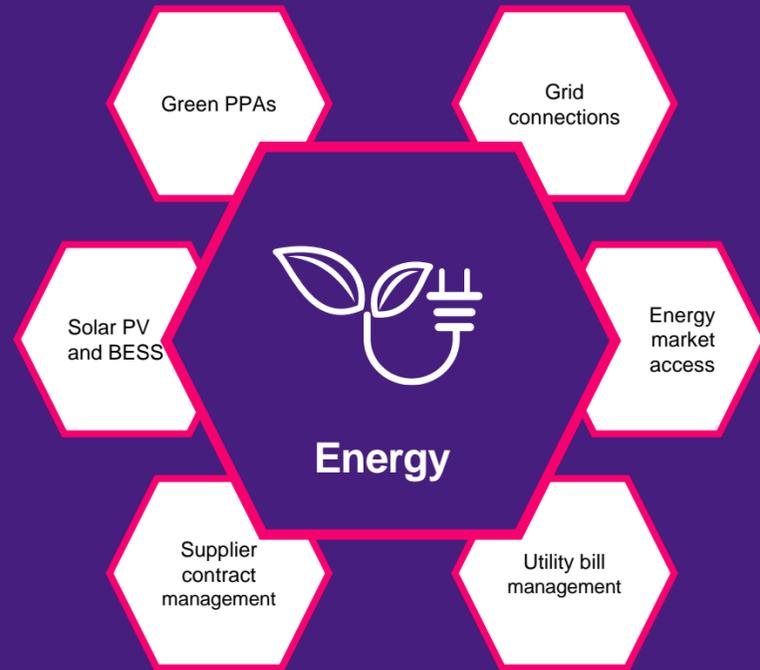
# Electrified Ecosystems:



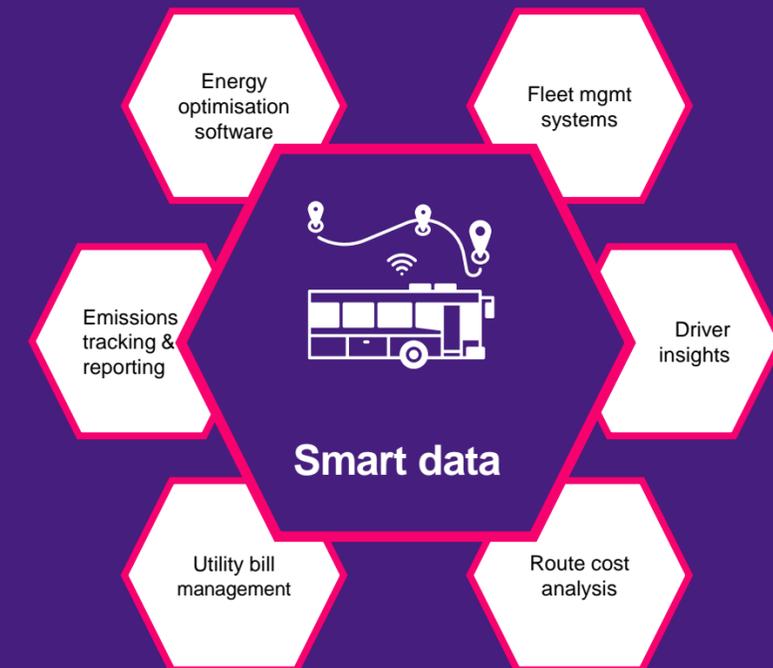
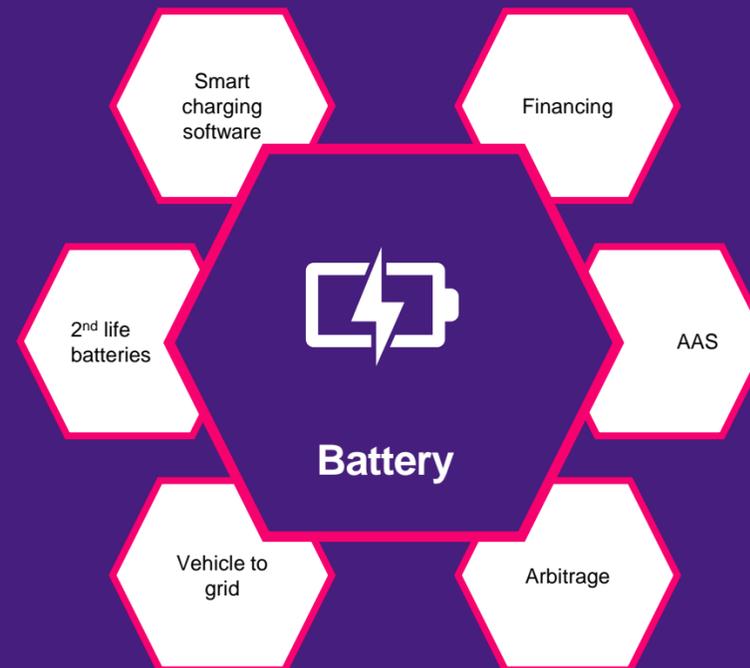
...each new layer requires transformational changes to your existing operations...



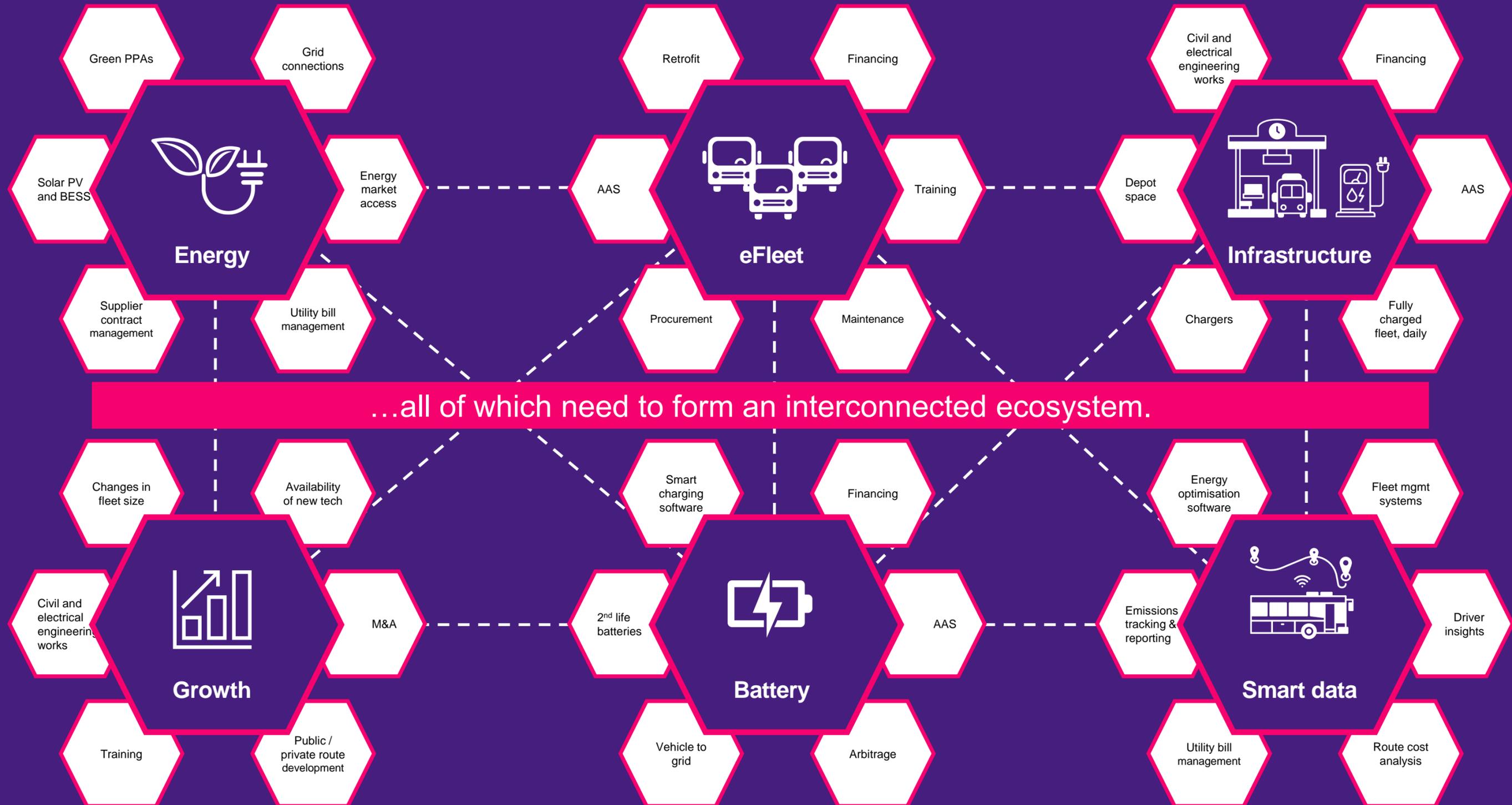
# Electrified Ecosystems:



...and brings with it additional layers of complexity...



# Electrified Ecosystems:



# Enel X enables the entire electric transport ecosystem



eBus as a Service / Battery as a Service

Charging as a Service / Spot Sale + O&M



## eFleet

eFleet / Batteries

On-board devices

Full-service maintenance



## Electric Energy Infrastructure

Enel X Platform

Operation & Maintenance

Electric Depot Construction

Design

eBus Chargers

Demand Response

Ebus Smart Charging Platform

Battery Storage



## Green Energy

100% Green energy

PV plans



## Smart Data

Planning advisory

Smart Bus Stops

City Analytics

 ELECTRIFICATION

 ENERGY EFFICIENCY

 DIGITALISATION



### Modular

Choose what to include on your electrification project



### Turnkey

Enel X as single point of contact for all the electrification service



### Performance guaranteed

Enel X guarantees the level of performance of the electric transit service



### Fair

Fixed fee granted for the entire contract duration (including energy supply)

# A choice of commercial models



## Mission

Empower sustainable cities by electrifying kms for public transport

## Capital strength

Enel X is able to support any projects through strategic JVs with financial partners

## Risk free

A predefined transparent fee preserves customers from future uncertainties

## Scalability

Solutions suitable for other types of Public fleet: school bus, ambulance, waste truck, transfer shuttle

## Project timing

The average contract duration is 6 - 15 years

# Pathways to Electrification

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# Thank you

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