

ADDVOLT®

Building a smart and sustainable  
refrigerated transport worldwide





1/3

OF THE WORLD'S FOOD  
WAS LOST OR WASTED  
EVERY YEAR THROUGHOUT  
THE SUPPLY CHAIN

Source: World Health Organization (WHO)



4.2

MILLION DEATHS PER  
YEAR OCCURS DUE TO  
EXPOSURE TO OUTDOOR  
AIR POLLUTION



There are

# 4.5 Million

Refrigerated trucks & trailers  
circulating Worldwide



500  
Litres/month



1 ton  
CO<sub>2</sub>/month



Maintenance  
cost



> 60 dB

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# AddVolt solutions



Up to 7 kWh Capacity



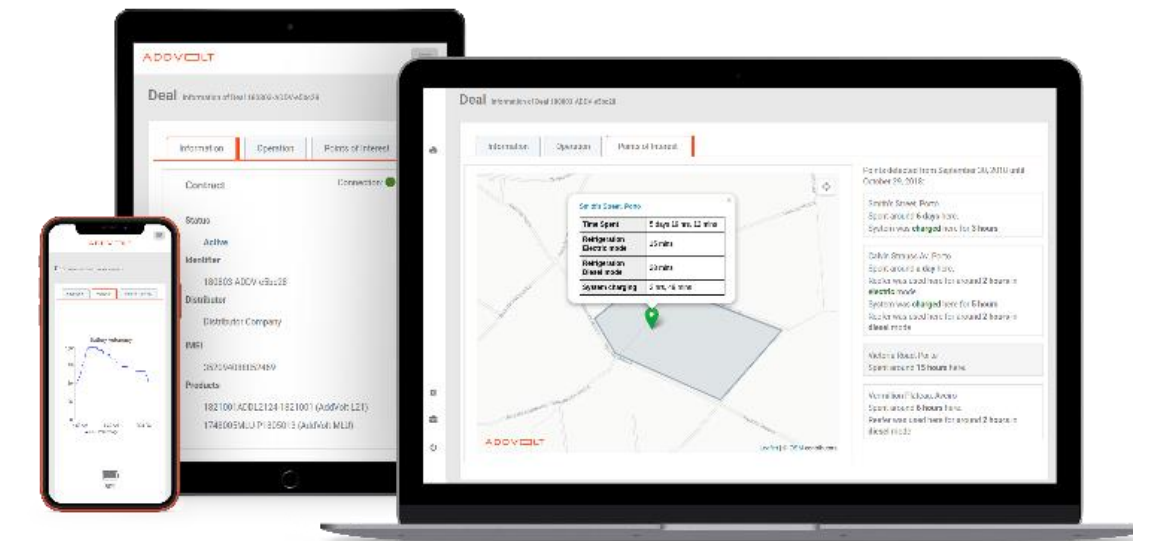
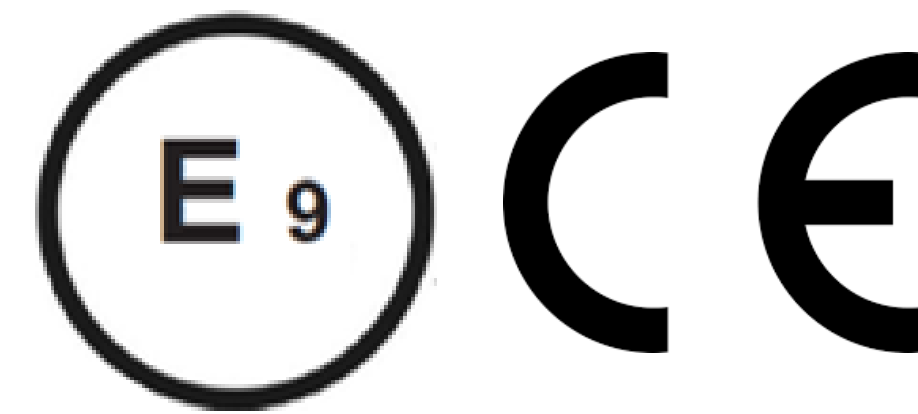
7 to 19 kWh Capacity



23 to 34 kWh Capacity

# AddVolt Benefits

- No Diesel
- No Emissions
- Reduce TCO
- For all Truck brands
- Hydrogen, Electric, Hybrid, LNG and Diesel vehicles
- Low Noise
- 24/7 Cities access
- Maximize Fleet usage
- Certified Solution
- Easy to Install
- Non Invasive
- Simple to use
- Better performance
- Energy Smart Management
- Data Interoperability
- Applicable to Autonomous Driving







# Addvolt Main Customers

## Clients



## Partners



## Vehicles



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# AddVolt Plug-in Hybrid



No Diesel



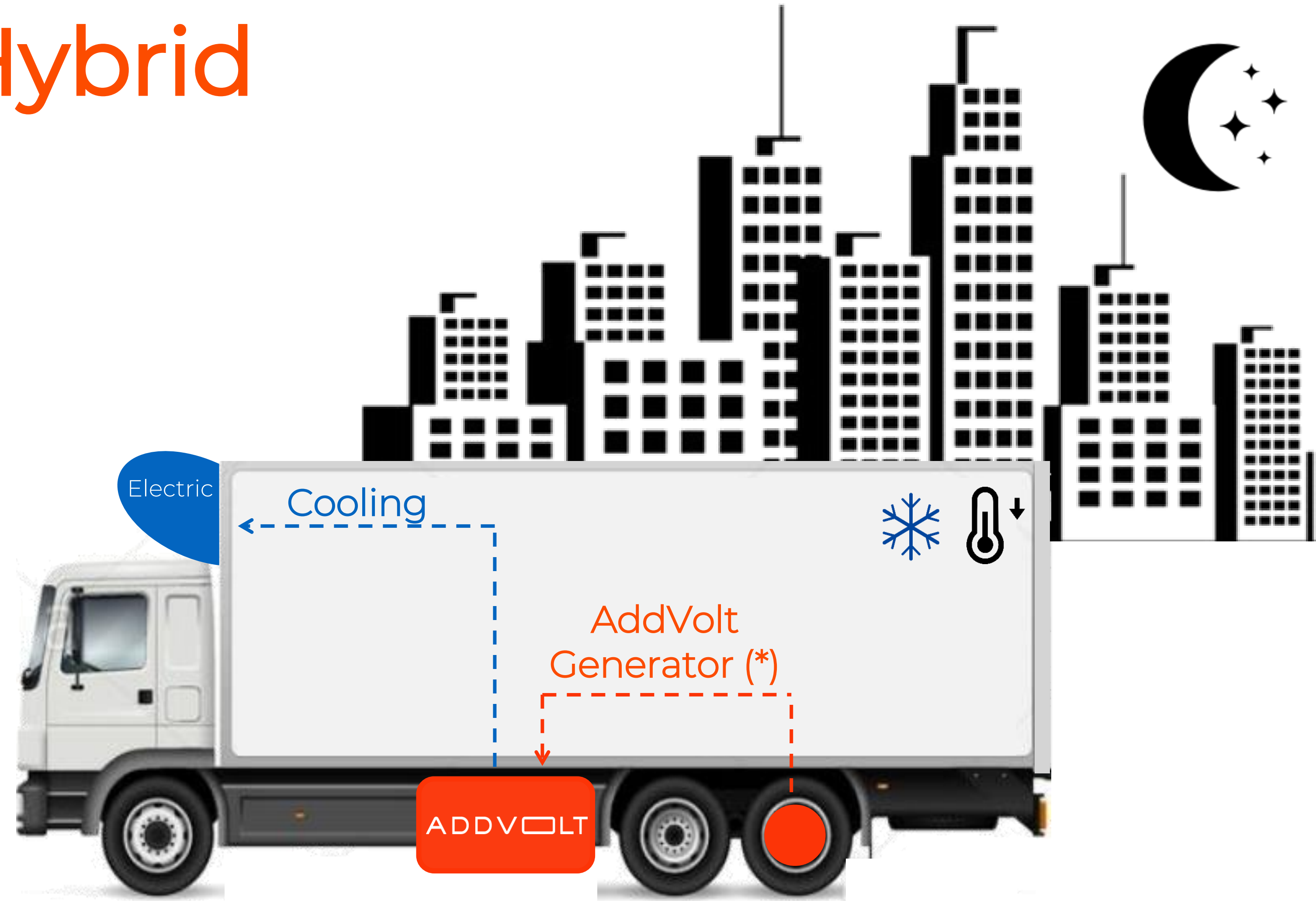
Zero Emissions



Silent



Low Maintenance



## Driving, Charging & Cooling

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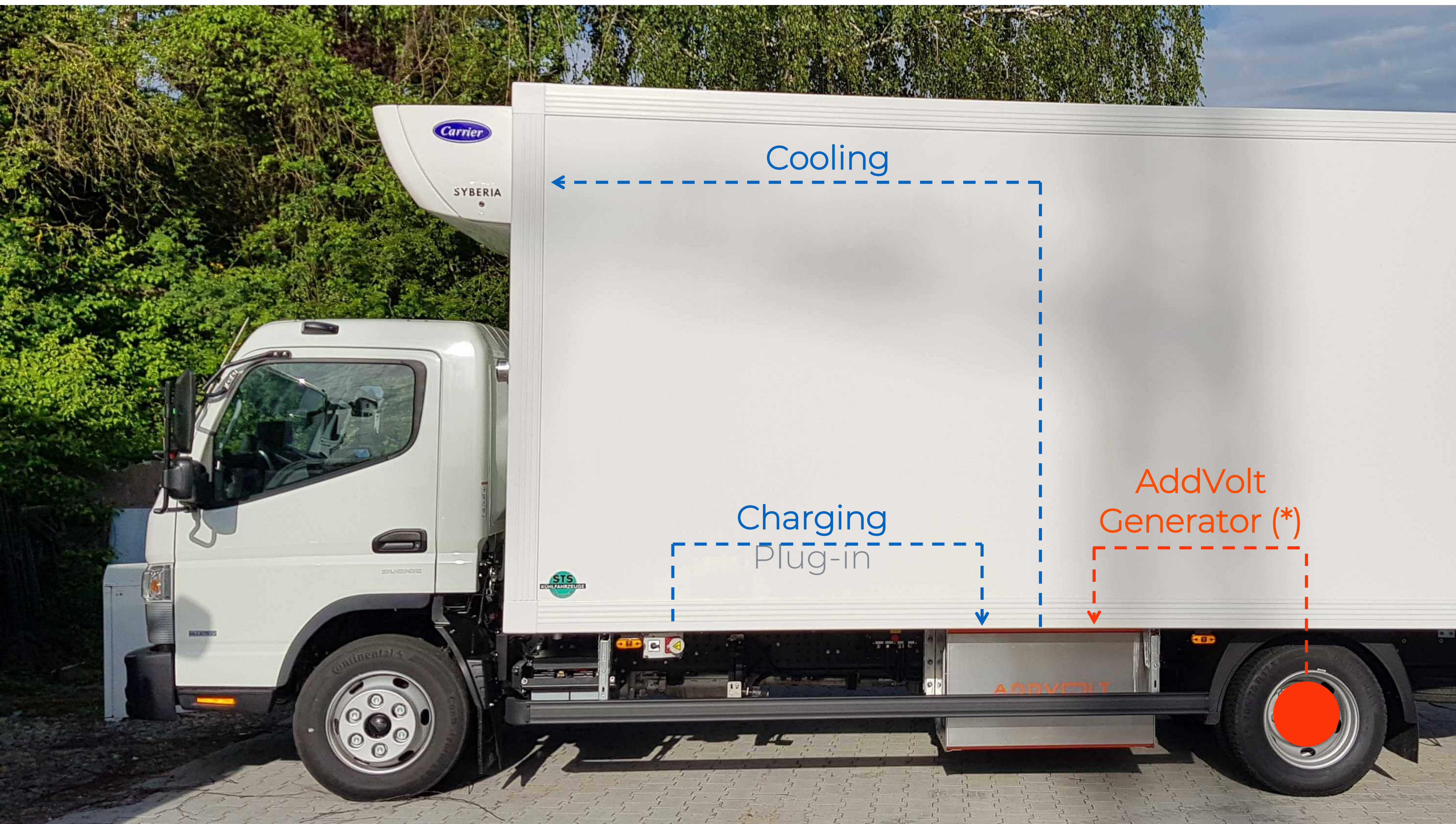
(\*) Hybrid: Re-charge through brake regeneration and cruise speed.





Zero  
Emissions

Silent



STUTTGART

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(\*) Hybrid: Re-charge through brake regeneration and cruise speed.



# AddVolt Plug-in



No Diesel



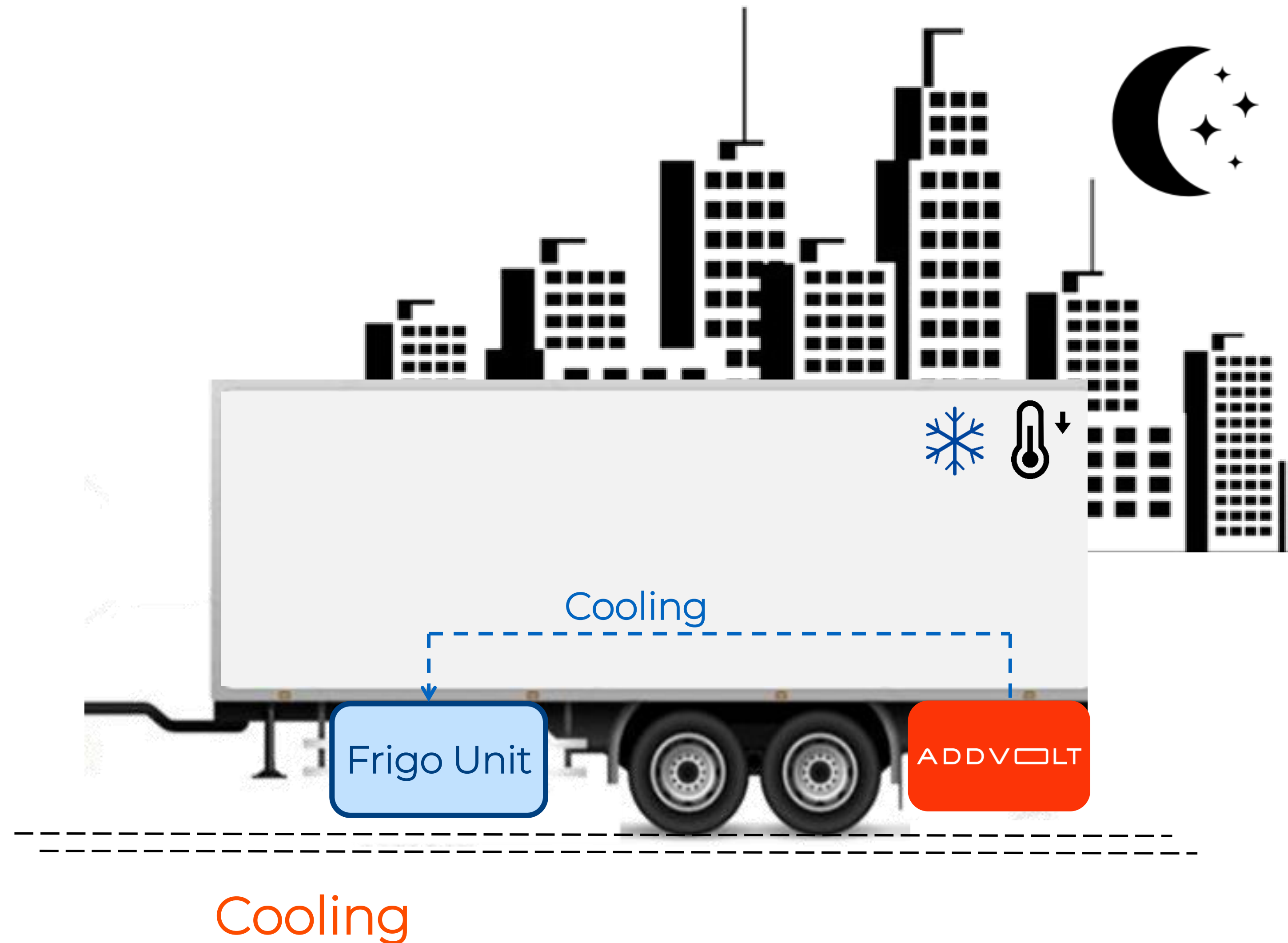
Zero Emissions



Silent


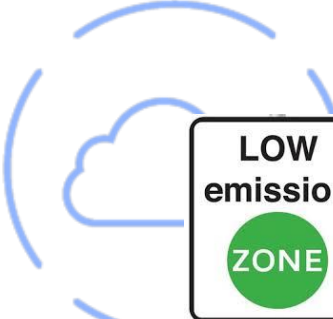




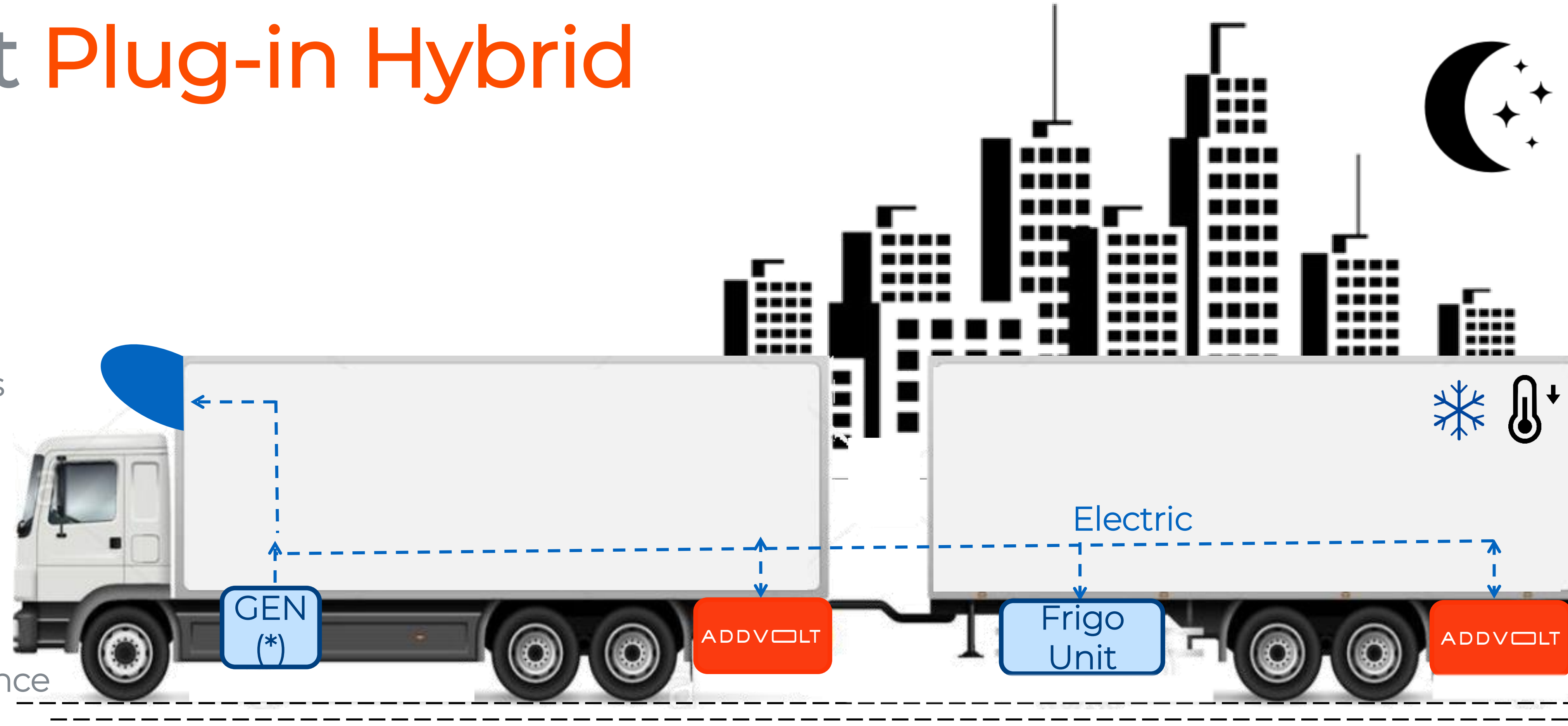
Low Maintenance





# AddVolt Plug-in Hybrid

-  50% Diesel
-  50% Emissions
-  Silent
-  Less Maintenance



Driving, Charging & Cooling





ANTWERP



# AddVolt Plug-in



No Diesel



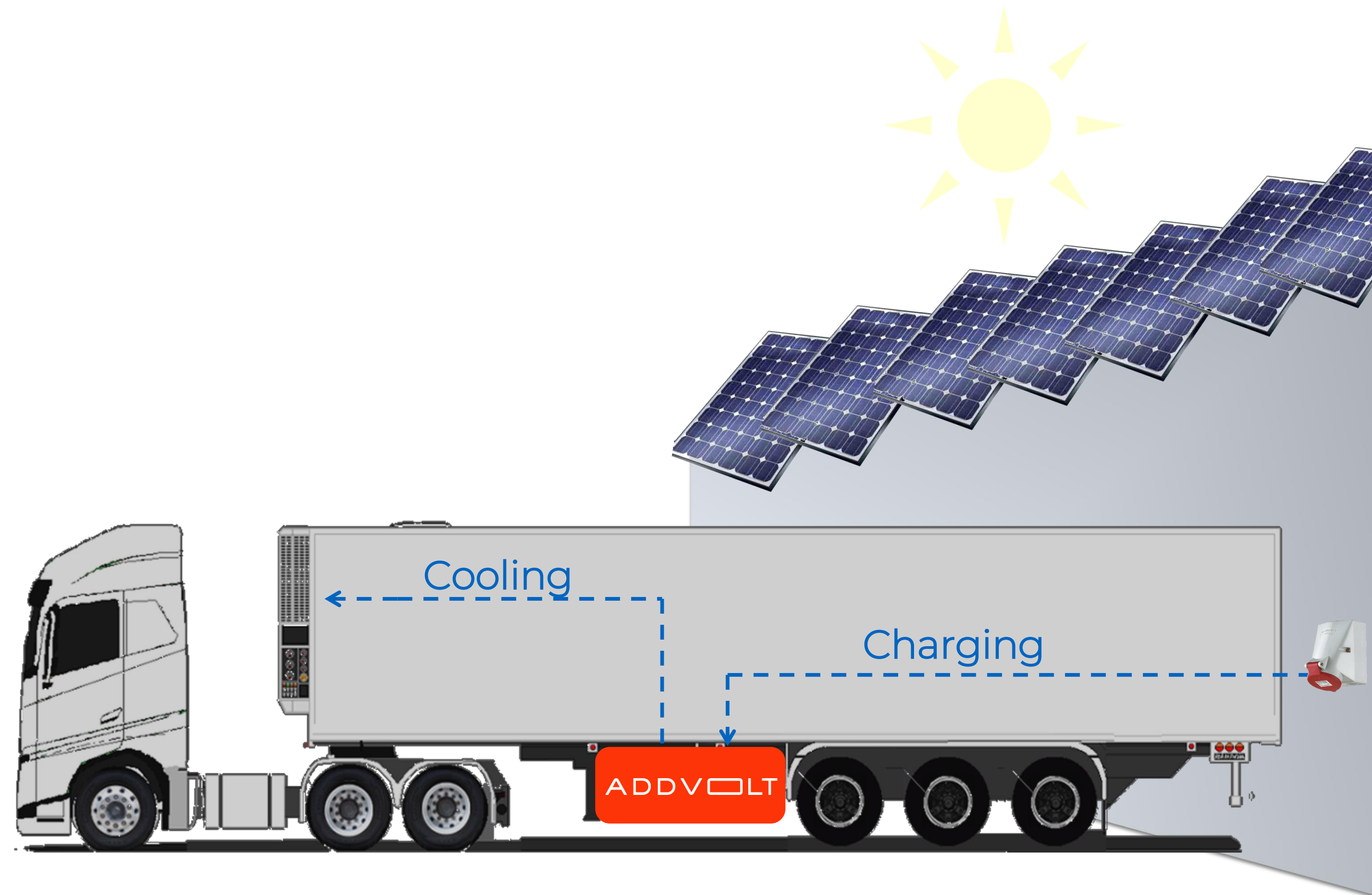
Zero Emissions



Silent



Low Maintenance



Charging & Cooling

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Lisbon

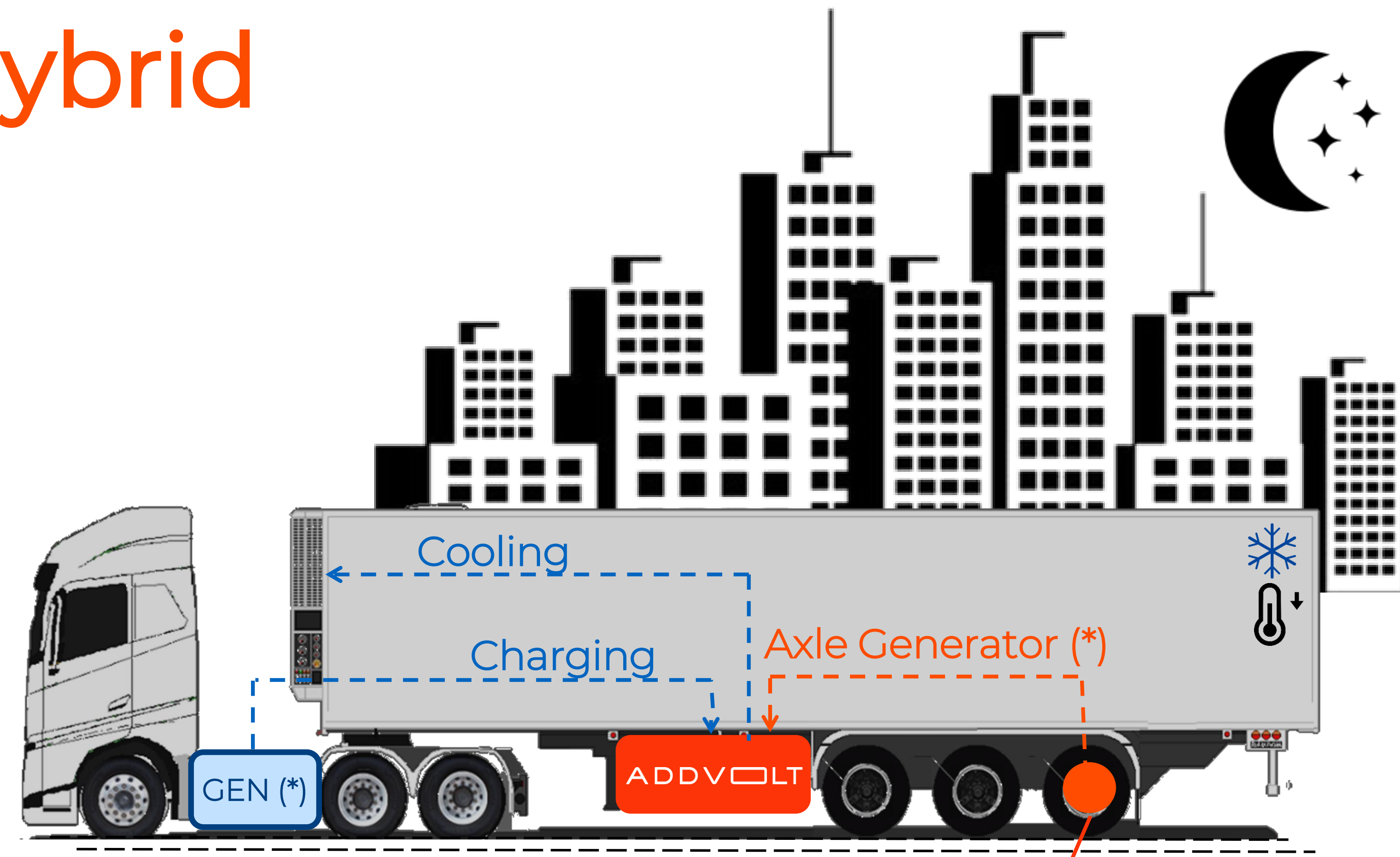
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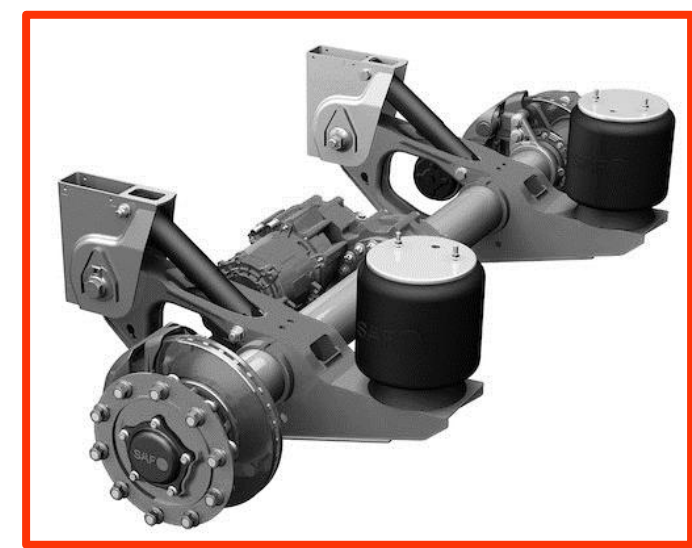


# AddVolt Plug-in Hybrid

-  No Diesel
-  Zero Emissions
-  Silent
-  Low Maintenance



Driving, Charging & Cooling







Eindhoven



# Addvolt After Sales mission

Addvolt After Sales mission is to ensure a peaceful and focus operation to our customers.

Let the electrification and the technical concepts of your fleet with us.

Addvolt will take care of your fleet, ensuring a full electrical operation, minimizing the impact of vehicles' downtimes, help you reaching your sustainability goals.

A trained network across Europe are available to assist you anytime, anywhere.

As a leader in powering vehicle's electrical systems, Addvolt is focus on meeting the daily needs of our customers, through support for the entire operation and lifecycle.

Let us be part of the change you want to create in the world.

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# Addvolt After Sales Strategy

## Customer needs focused



Freedom and independence of operation, TCO optimization



Sustainability goals



Live diagnosis, direct driver support

## Operation network digitalization



Real time visibility, predictive analytics, preventive maintenance



OTA new features implementation, recall campaigns

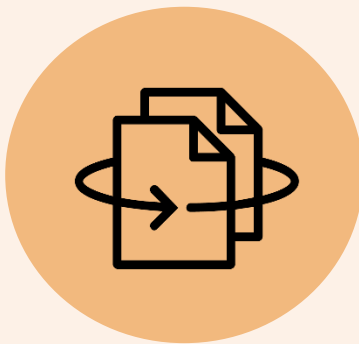


Connected and trained partner network

## Innovative product and differentiated business models



Advanced and state of the art technology



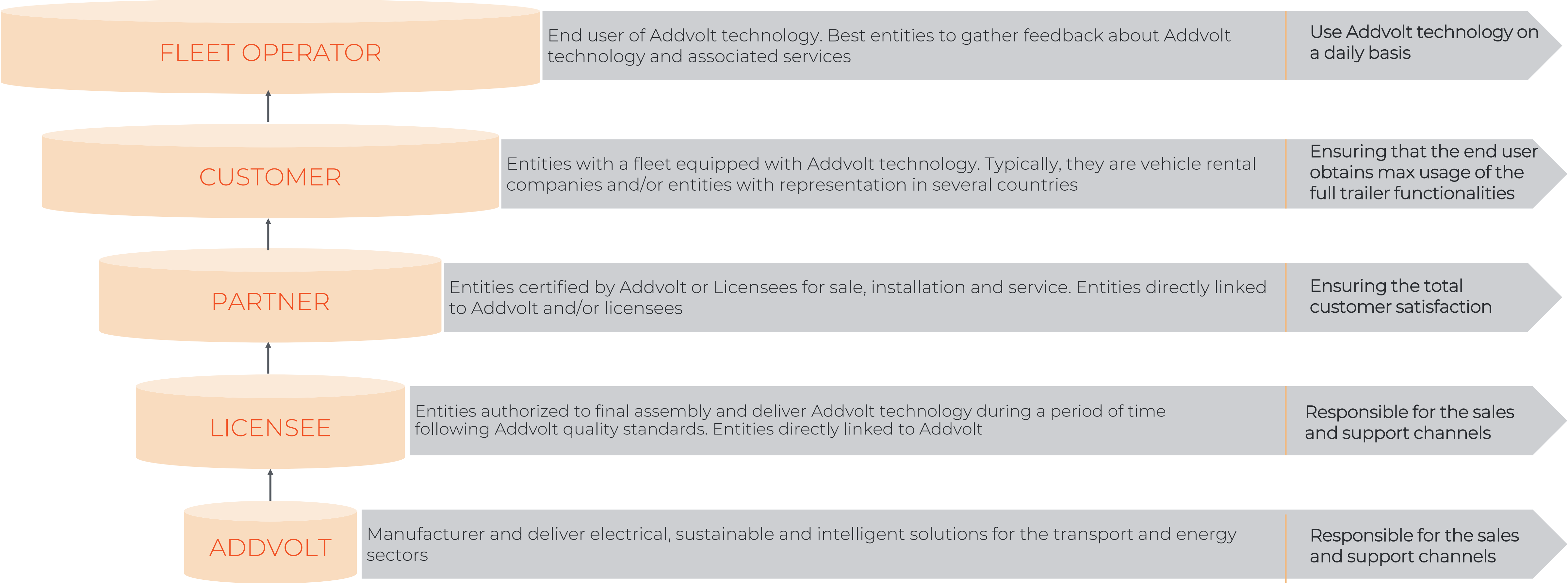
Statistic methods application, machine learning and big data analytics



New service models integration (XaaS)



# Addvolt Network Structure





# Addvolt Worldwide Network (YTD W41)

151  
Partners



Fleet  
Monitoring



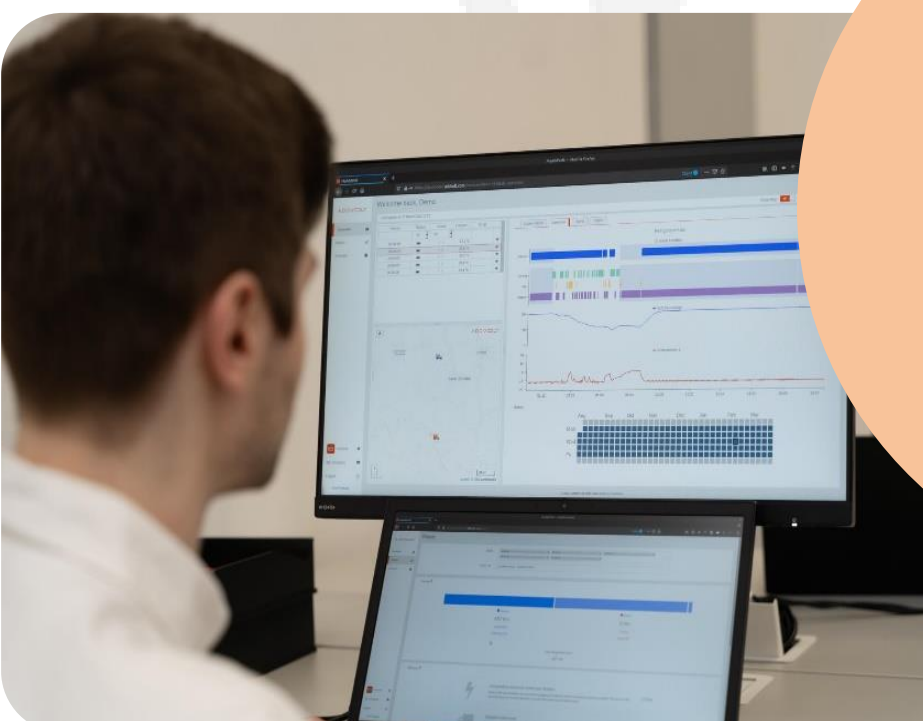
Presence in  
21 countries



Daily  
local/remote  
assistance



110 technicians  
(50 @Addvolt)



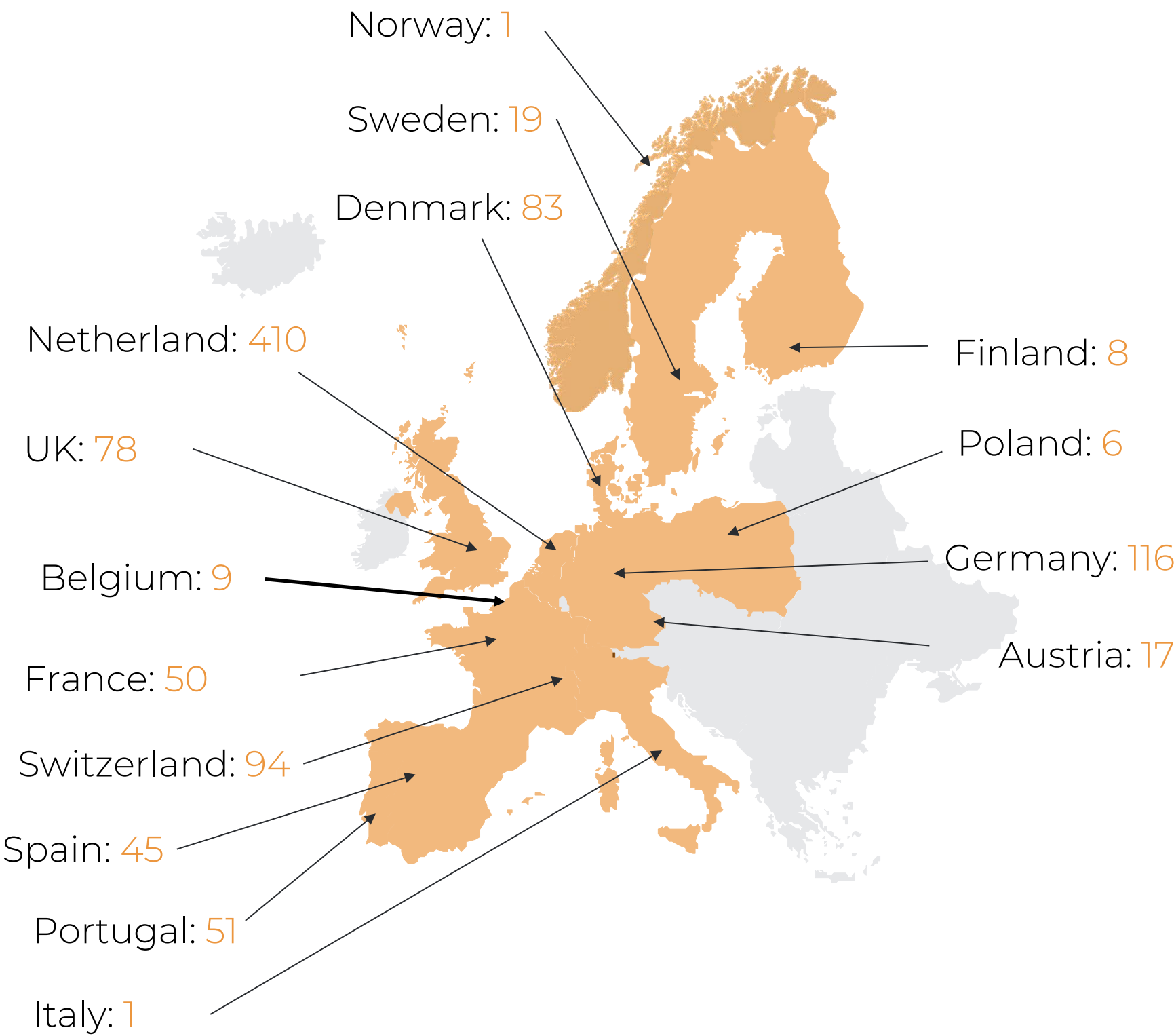
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# Addvolt Population (YTD W41)



Year	Units Qts
Q1 installations	32
Q2 installations	19
Q3 installations (counting)	30
Total in Operation	1000 / 183
Units stored on Partners	113

Forecast Reality

Australia: 17





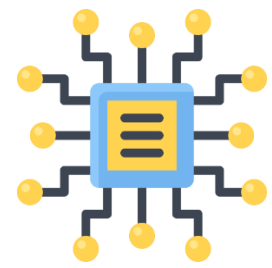
# Addvolt Service Approach

## Becoming Service Proactive instead of being Reactive





# My Addvolt Customer & Partners Benefits



## Connectivity

- Web based application with **safe data transfer**;
  - Robust data access control;
  - **API integration** available.
- 
- Available for Addvolt **Customers and Partners**
  - **Over the air services**
  - **Automatic charge** management and scheduling.



## Monitoring

- **Predictive** support;
  - **Preventive** maintenance
  - **Alerting system** to reduce vehicles downtime;
- 
- Available anytime, anywhere
  - **Visibility** right from the production moment
  - **Service network** visibility
  - **Charging points**. and **LEZs** mapping



## Real-time Analysis

- **Traceability** – check the past to improve the future;
  - Keep track of hardware changes
  - **Remote service assistance**
- 
- **Real time operation** and service control
  - Real time data **across of fleet** assets
  - **Battery warranty extension**

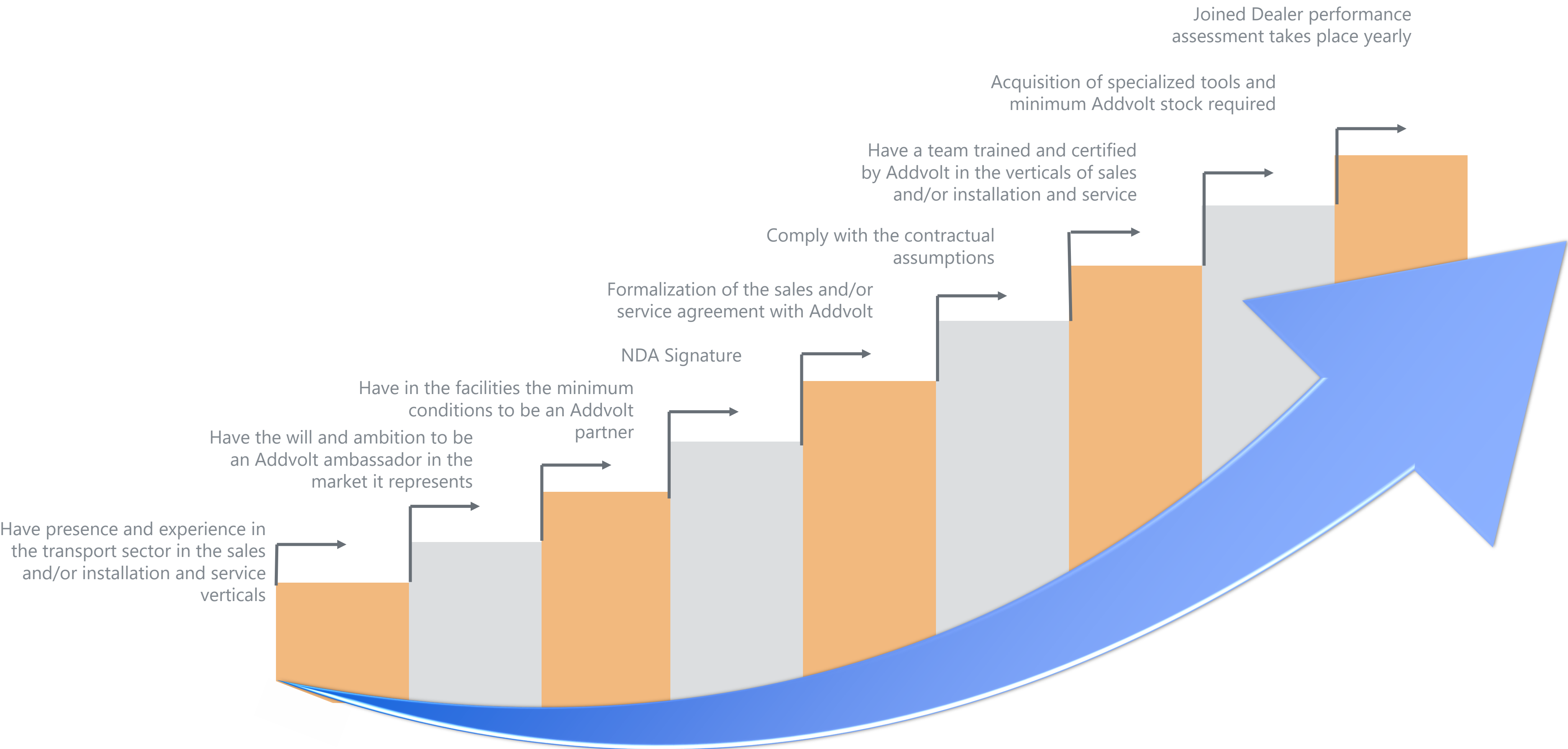


## Reporting

- **Sustainability** assessment;
  - Carbon footprint and diesel **savings**;
  - Operational and service reporting on demand.
- 
- **Overview** of the fleet in **one place**
  - **TCO analytics**
  - **Fleet efficiency** improvement for ROI reduction



# Becoming an Addvolt Service Partner





# Service Dealer Agreement

- Dealer's and AddVolt's obligations
- Spare Parts and technical service equipment
- Technical Assistance during warranty period
- Technical Assistance outside warranty period
- Total Repair times
- Service Dealers performance program
- Technical Training @ AddVolt facilities
- Intellectual property and Confidentiality





# Performance program



- 3 different levels to promote a high qualitative and consistent installation and service customer experience across the ADDVOLT Dealers network
- Rewarding the Service Dealers for their efforts representing ADDVOLT in the market.
- Qualitative and Quantitative requisites
- Increasing benefits according to the level reached





# AddVolt Academy

- To reflect AddVolt high standard of excellence
- Reduction of response times
- Reduction of vehicle downtimes
- Training about new products
- Feedback from units in operation
- Product and process improvement suggestions





# AddVolt Academy

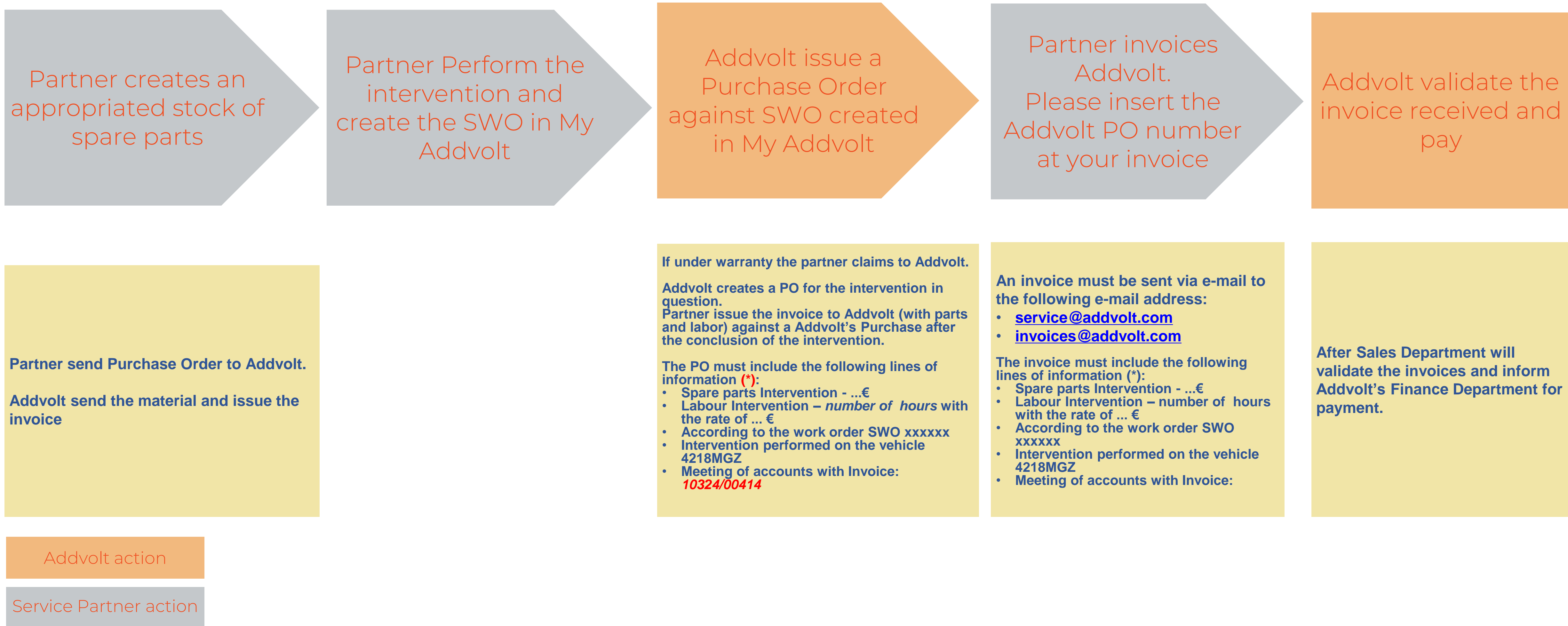


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# Addvolt Service Process





# Our team



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# About AddVolt

AddVolt is a technology company which developed the World's First Plug-in Electric targeted for refrigerated vans, trucks, trailers or containers. It avoids the diesel usage, as well as CO<sub>2</sub> and noise emissions, optimizing the operational costs of goods transportation.

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# Thank you!



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