



WEGDAY 2025



Driving efficiency and sustainability





ELECTRIC MOBILITY

CARLOS JOSÉ BASTOS GRILLO

Managing Director
Digital & Systems

ELECTRIC MOBILITY

Electric Mobility Systems

MARKETS

Bus

Trucks

Vehicles for
Agribusiness

Vehicles for
Mining

Vocational
vehicles

PRODUCTS



MOTORS



DRIVERS



BATTERY
PACKS



GENERATORS
FOR HYBRIDS

Electric Charging Infrastructure

MARKETS

B2C

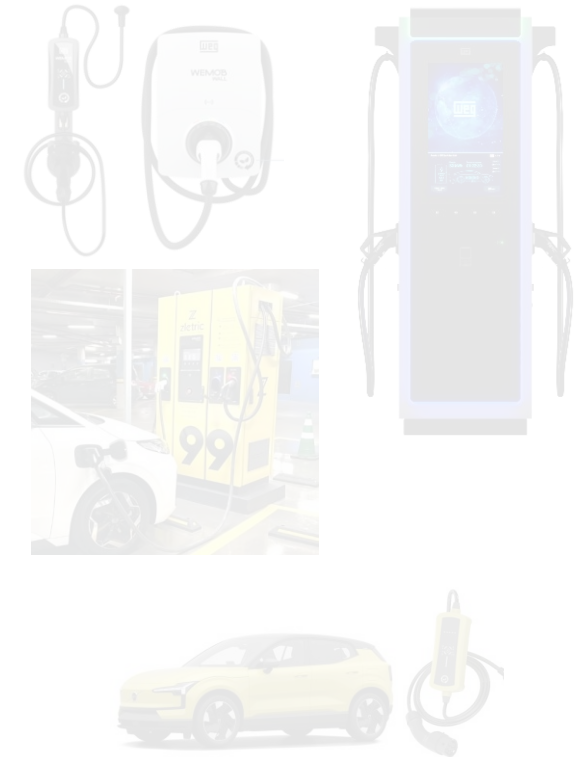
Manufacturer

Charge Point
Operator (CPO)

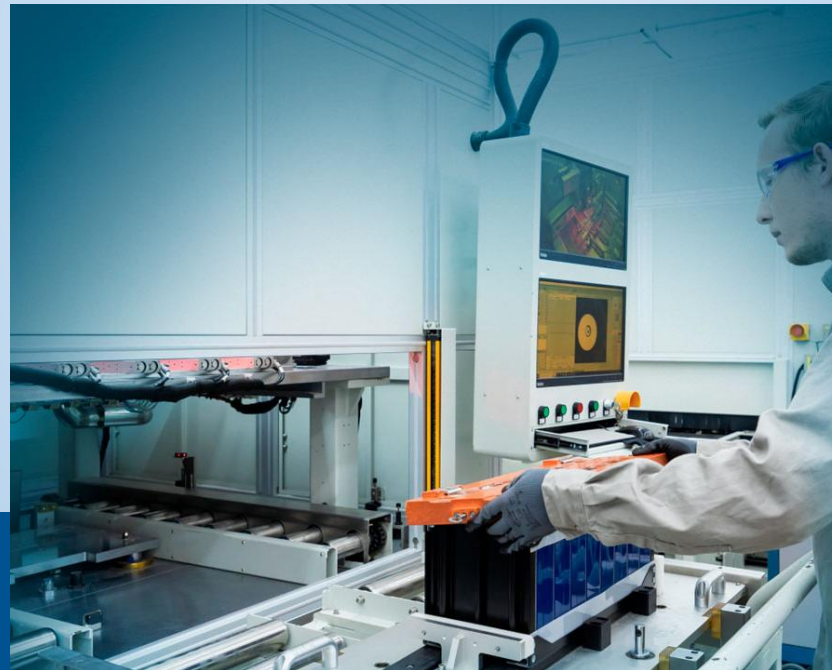
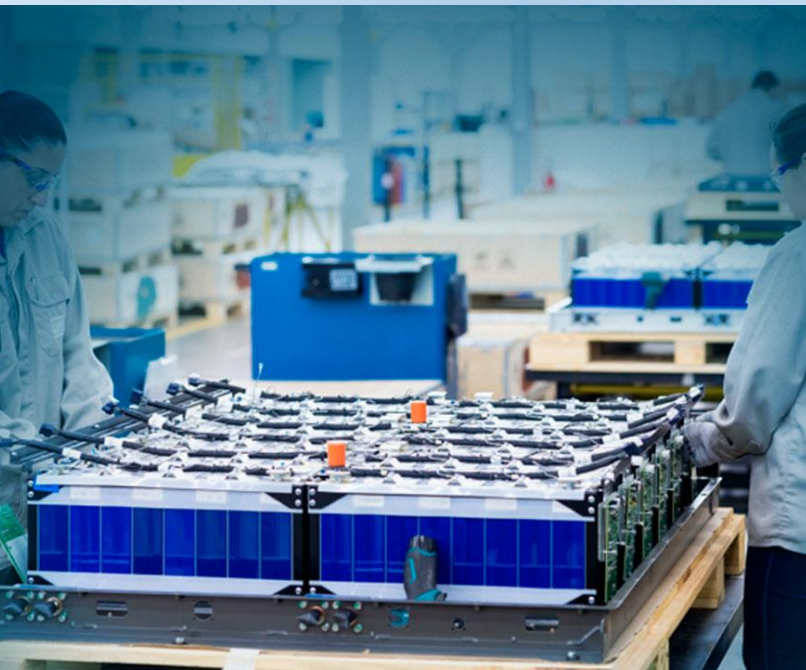
Fleet Operator

Condominiums
and Building

PRODUTOS



WEG FACTORY OF BATTERY PACK



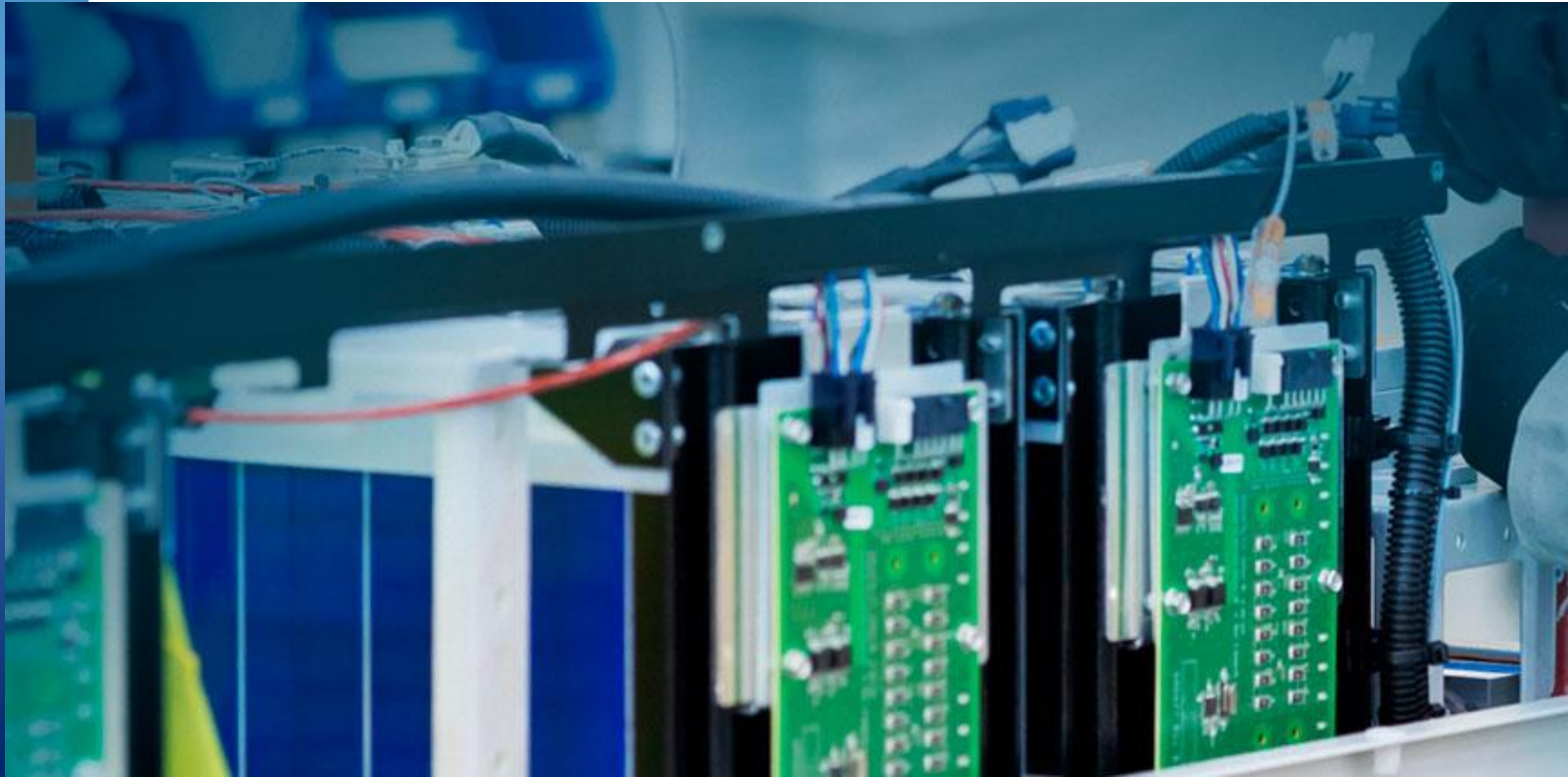
BATTERIES



Pack Certification Tests

Battery Management System (BMS)

Long-term Laboratory Tests



Pack Certification Tests

Battery Management System (BMS)

Long-term Laboratory Tests



Section V - Subsection VI Fire Resistance

Reference	Item	Test
CONTRAN Resolution 749-2018	Section I	Protection against direct contact with live parts
	Section V - Subsection II	Vibration Test
	Section V - Subsection III	Thermal Shock and Cycling Test
	Section V - Subsection IV	Mechanical Shock
	Section V - Subsection VI	Fire Resistance
	Section V - Subsection VII	External Short-Circuit Protection
	Section V - Subsection VIII	Overload Protection
	Section V - Subsection IX	Over-discharge Protection
	Section V - Subsection X	Overheating Protection



ELECTRIC BUS SCENARIO



1,168 Electric Buses in Brazil
11,258 kt CO2e emissions avoided



Main WEG Projects



POWERTRAIN – APPLICATIONS



CVW250



WTE300

LIGHT

From 24 to 120Vcc
Up 40kW



CVW500



WTE500

MEDIUM

From 120 to 400Vcc
Up to 190kW



CVW800



WTE900

HEAVY

From 400 to 800Vcc
Up to 440kW

STEPS OUTSIDE BRAZIL



- **North America**
- **Vocational Vehicles**
Distribution centers, ports, and airports



ELECTRIC MOBILITY

Electric Mobility Systems

MARKETS

Bus

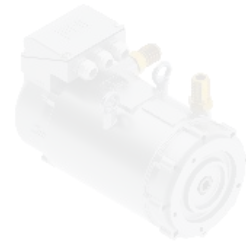
Trucks

Vehicles for
Agribusiness

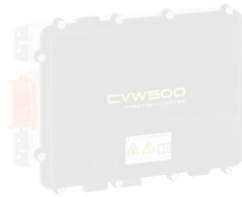
Vehicles for
Mining

Vocational
vehicles

PRODUCTS



MOTORS



DRIVERS



BATTERY
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PRODUTOS





4,4 kW
CA

PORTABLE

Residential
Plug



7,4-11
kW CA

SLOW

Residences



22 kW
CA

SEMIFAST



30-40 kW CC



60-80 kW CC

FAST

Condominiums



120-240 kW CC

ULTRAFAST

Highways



480-640 kW CC

PARTNERSHIPS WITH MANUFACTURERS



LIGHT VEHICLES

VOLVO



FIAT



JAGUAR



Jeep



BYD



SERES

KIA



HEAVY VEHICLES



Caminhões
Ônibus



SCANIA



FOTON



VOLVO TRUCKS



BYD



CHARGING LOCATIONS



LIGHT VEHICLES

HOME

Slow and economical charging while parked.

CONDOMINIUM

Collective electrical infrastructures with **demand control systems** and individualized metering

DESTINATION

Convenience charging in hotels, restaurants, supermarkets, gyms, shopping malls, parking lots, and at work



FLEETS

GARAGES (buses)

The **departure and arrival** points for the buses typically occur during nighttime.

DISTRIBUTION CENTERS

Similar to garages, **applied to electric trucks**, with charging associated with loading and unloading procedures

TERMINALS AND STOPPING POINTS

Stopping points along the Route, with a duration exceeding 30 minutes

ROUTE

Charging **required for traveling**. **The faster, the better**. Located on highways, associated with stopping points with food infrastructure, at fueling stations, or charging hubs in cities to serve those without home charging

PUBLIC CHARGING HUBS



Tamboré Mall in Barueri, São Paulo
Grupo Allos



Route 60 on the BR-060 highway, Goiás
YellotMob



VOLVO



yellot**MOB**



ALLOS



WEMOB®

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PROJECT

- Approval with the utility companies
- Execution project (single-line diagram)

EQUIPMENTS

- Charging stations
- Substation
- Transformers
- Panels and guards
- Monitoring cameras

INSTALLATION

- Labor and materials
- Civil adjustments
- Infrastructure



WEMOB ADVANCED SERVICE

- WEG remote technical center
- Preventive maintenance
- Accurate diagnostics
- Trained team and local technical assistance



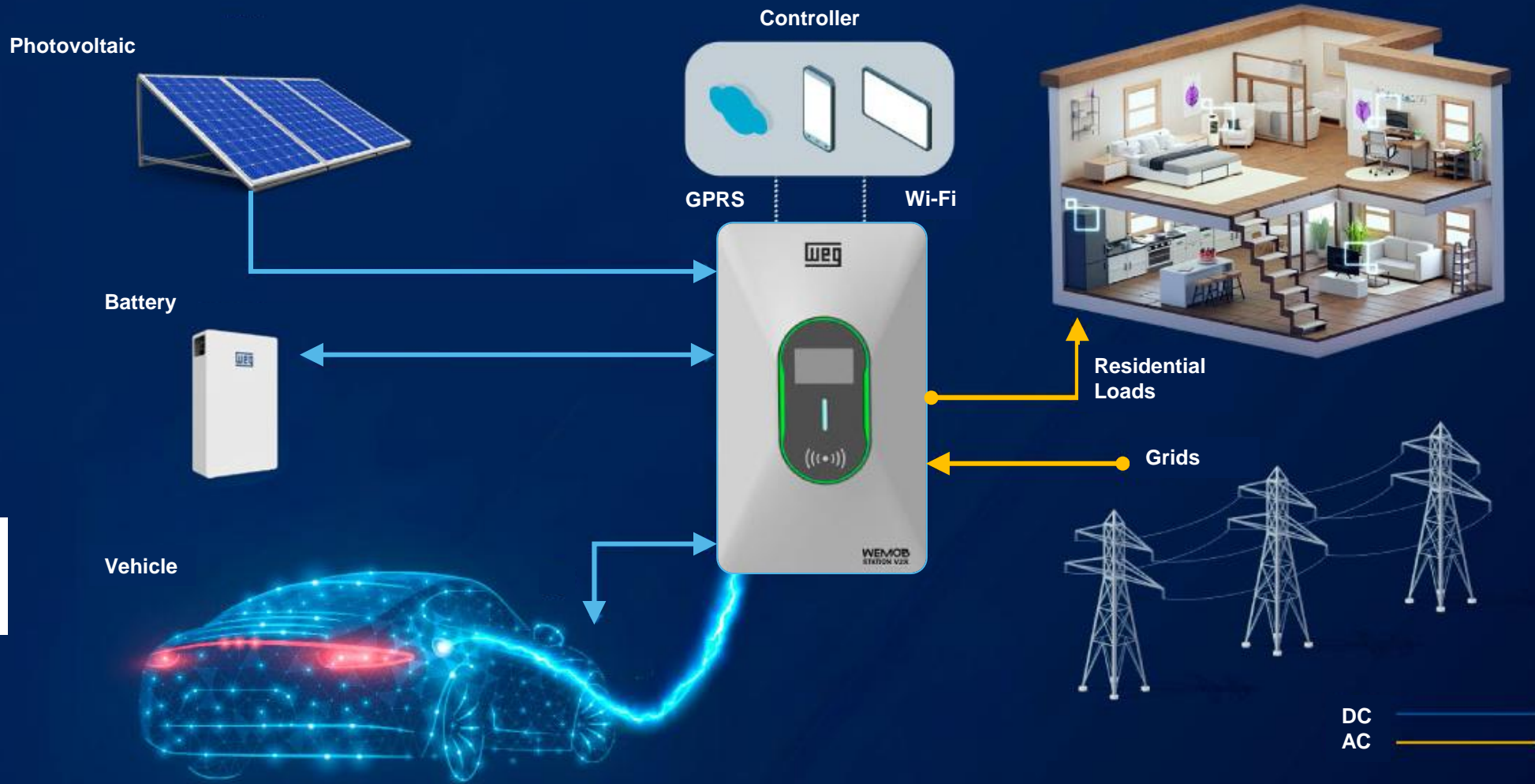
WEMOB[®]

STATION V2X

Vehicle-to-Everything.

Electric Charging Infrastructure

STATION V2X



INTERNATIONALIZATION STRATEGY



BRAZIL
Leadership



LATIN AMERICA
Leadership in construction



EUROPE
**Start of operation with
assembly and on-site presence**

B2C

Manufacturers

**Charge point
operator (CPO)**

Fleet operator

**Condominiums
and Building**



WEG eMOBILITY CENTER



WEG's first electric mobility center in Brazil

Focus on repair and diagnostic services

Traction systems and charging solutions

Circular economy initiatives (including batteries)



São Bernardo do Campo / São Paulo,
near the main electric bus operators
location



1,250 m²
structure



September 2025
start of operations



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2025

TOPOLOGY OF ELECTRIC GRID SYSTEMS



Distributed Resources in the Grid (DERs)		House/Building Nanogrid/Homegrid	MicroGrid	Grid
Energy	Generation	Solar		
	Storage	BESS		
	Consumption	Home, Devices WEGHome, WEMOB, etc...		
Intelligence	Control	V2X Vehicle to Home		
	Performance and Communication	On the internal network equipment		
	Orchestration	Personal		



KEY MESSAGES

**VOCATIONAL VEHICLES ARE ALREADY
TARGET FOR ELECTRIFICATION**

**THE CHARGING INFRASTRUCTURE CREATES
A NEW CONCEPT OF NANOGRID**

**WEG EXPANDS BUSINESS IN SOUTH AMERICA,
EUROPE, AND NORTH AMERICA**

