



WEGDAY 2025



Driving efficiency and sustainability



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MICROGRIDS

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Business Director
Solar, BESS & Building

WEG SOLUTIONS



**EPC
CONTRATO**

CURVE A

- Photovoltaic Modules
- Inverters
- Structure
- BESS
- EV Charger

CURVA B

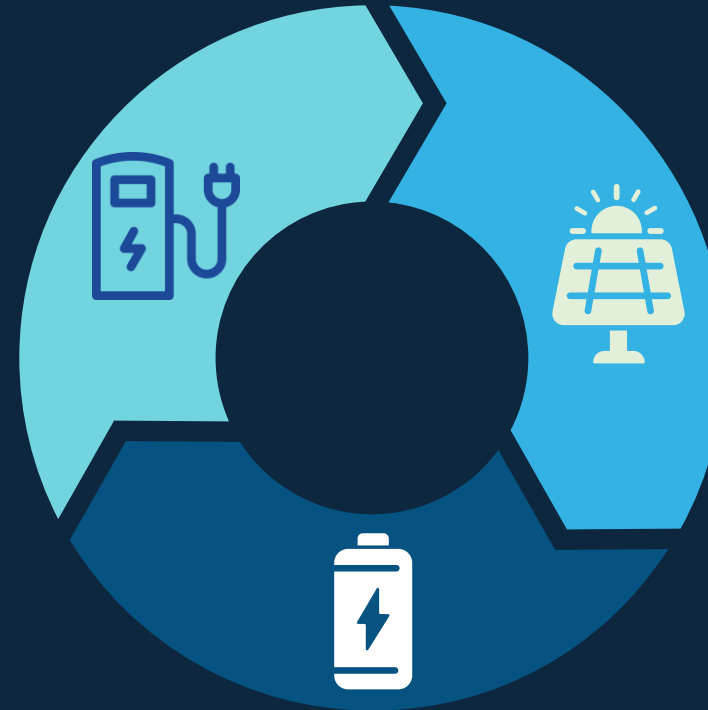
- Cubicles
- Electrical Panels
- Transformers

CURVA C

- Cables
- CCTV
- Enclosure
- Communication
- Other assistants

SERVICES

- Earthworks
- Drainage
- Foundations
- Electromechanical Assembly
- Electrical Installation
- Commissioning
- Management/Logistics
- Asset Security
- Engineering



+ 1.2 GW of solar farms delivered

+ 250 projects

14 states of Brazil

WEG PRODUCTS AND SYSTEMS



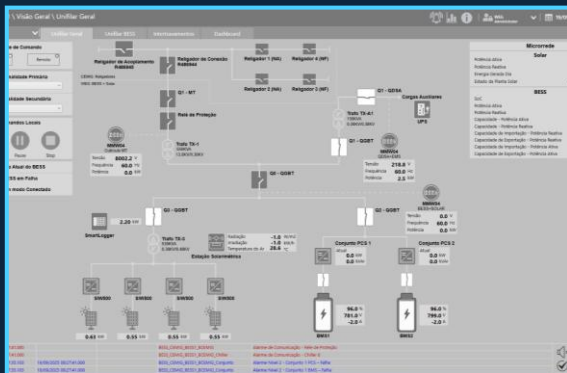
BESS + SOLAR



ELECTRICAL PANELS



TRANSFORMERS



SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA, EMS & PPC)



COMMISSIONING AND INTEGRATION OF MICROGRID ENERGY SOURCES



ELECTROMECHANICAL AND CIVIL INSTALLATION

MICROGRIDS



Local energy distribution, operation, and consumption grid

Composed of different energy sources (grid, solar, genset, BESS)
and managed by an intelligent control and management system

AGRIBUSINESS



COMMERCE



INDUSTRY



ELECTRIC MOBILITY



ENERGY



SOLAR

CHALLENGE

- Grid instability (end of line)
- Unavailability of the required demand to supply all customer loads
- High cost with diesel consumption
- High maintenance cost of generators

WEG SOLUTION: Full EPC

1st phase:

Solar 3 MW | 4 MWp
+ other sources
(genset + grid)

2nd phase:

BESS 100 kW | 215 kWh
Power smoothing

GRID

GENSET

SOLAR

BESS



CHALLENGE

- Customer at the limit of contracted demand
- Grid instability
- High cost with diesel consumption
- Need for production increase with consequent energy increase

WEG SOLUTION:

- WEG client offering PPA to the end customer
- **Solar 3 MW | 5 MWp** Variable according to customer demand
- **BESS 2 MW | 5 MWh**
- Integration with gensets
- Control and monitoring of energy sources
- Full EPC

GRID

GENSET

SOLAR

BESS



MICROGRID FOR ELECTRIC BUS CHARGING

Case 3



CHALLENGE

- Seasonal energy demand increase (bus charging)
- Contracted/available demand limit

WEG SOLUTION:

- BESS System
- Photovoltaic generator
- Electrical panels
- Transformers
- Engineering services and installation
- System commissioning and integration



WEG DAY
2025

CHALLENGE

- Revenue stacking
- Peak shaving for increased seasonal energy demand (electric chargers / energy demand).
- Backup for cases where contracted/available demand is limited

WEG SOLUTION:

- BESS System
- Photovoltaic generator
- Electrical panels
- Transformers
- Commissioning
- *EV Charger*



CHALLENGE

- Dependence on diesel generators
- High costs for fuel and maintenance
- Generation of energy from non-renewable sources
- Limitation of agribusiness production

WEG SOLUTION:

- Solar off-grid **40 kW | 44 kWp**
- BESS solution **40 kW | 94 kWh**
- WEG integrator installation



* Association of Agroextractive Workers of Ilha das Cinzas, Pará

BUSINESS INTEGRATION



WEG integrator portfolio expansion

Microgrid

BESS

PV System

Smart Energy Control
and Management

EPC WEG

EV Charger
(fleets)

WEG



Nanogrid

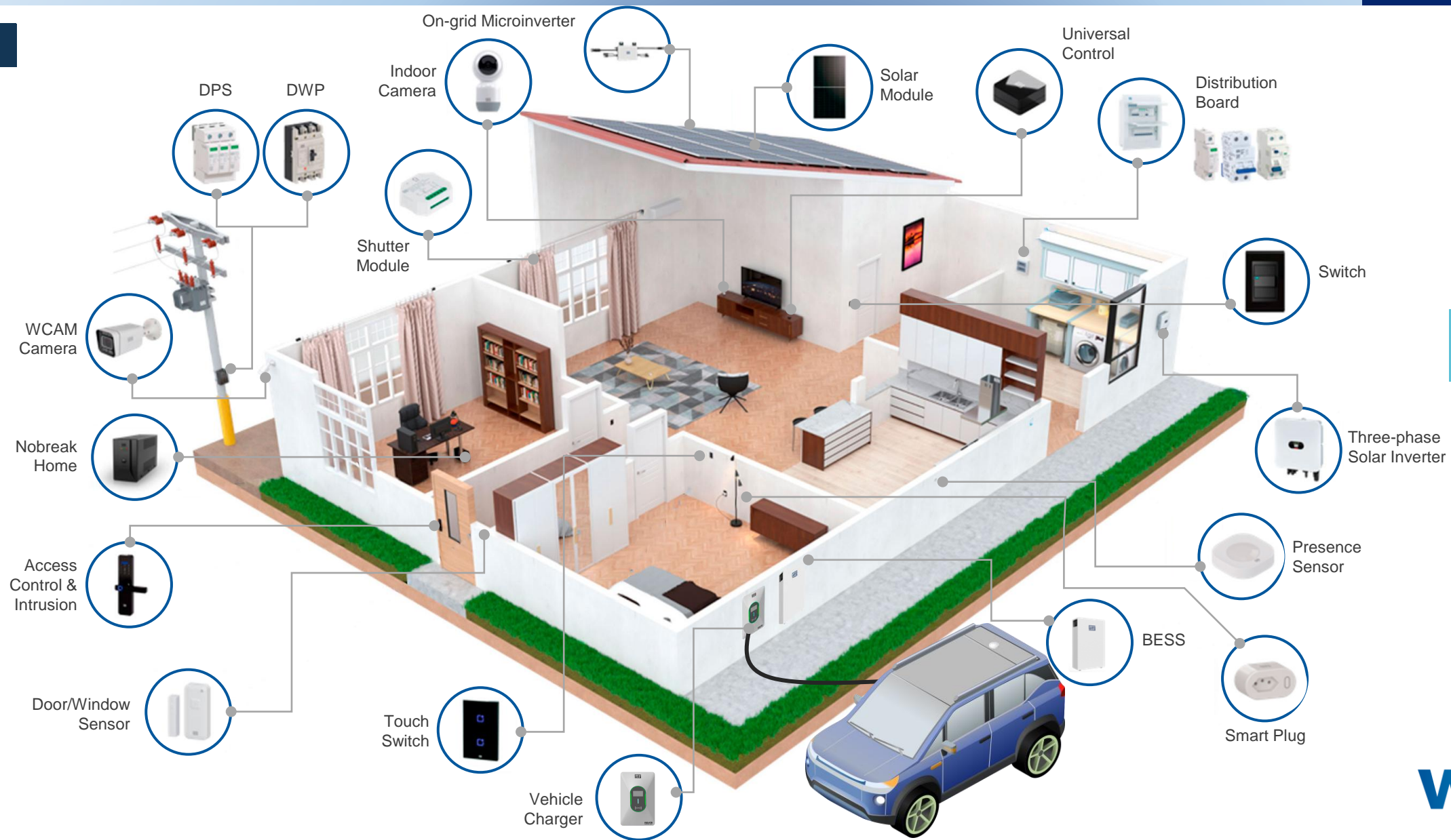
Solar
Residencial, C&I

BESS
Residencial, C&I

EV Charger
Residencial, C&I

WEG Home

NANOGRIDS = WEG HOME



KEY MESSAGES

**CONTINUITY IN
WEG'S *FULL EPC* SUPPLIES**

**STRENGTHEN PRESENCE IN THE
RESIDENTIAL, COMMERCIAL & INDUSTRIAL
(C&I) SOLUTIONS MARKET**

**PROVIDING NANOGRID SOLUTIONS
FOR THE RESIDENTIAL MARKET**

