

Driving efficiency and sustainability



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ON-LINE BROADCAST | SIMULTANEOUS TRANSLATION

09:00 AM



Opening (broadcast starting time) Décio da Silva Chairman of **Board of Directors**

09:20 AM

Electric Mobility



Carlos José Bastos Grillo Chief Operating Officer WEG Digital & Systems

09:50 AM



Carlos Diether Prinz Chief Operating Officer WEG T&D

Transmission & Distribution

10:20 AM Q&A

10:40 AM Break

11:00 AM



Financial Update André Luís Rodrigues CFO

11:20 AM



Q&A

Harry Schmelzer Jr. CEO

11:40 AM





Driving efficiency and sustainability



Electric Mobility





Carlos José Bastos Grillo Chief Operating Officer WEG Digital & Systems





Electric Mobility

SALES OF ELECTRIC VEHICLES

The electric mobility market is expected to exceed **US\$65 billion** worldwide by 2040







Electric Mobility in Brazil

RELEVANT MARKET GROWTH

Brazil registered **49,052** electrified vehicles in the first 8 months of 2023

Growth of **76%** compared to the same period in 2022 (27,812)



Data from the Brazilian Electric Vehicle Association (ABVE)



Automotive Traction Systems









Automotive Traction Systems

COMPLETE PORTFOLIO FOR LIGHT AND HEAVY VEHICLES







Heavy Vehicles High Voltage (above 400 V)

Light Vehicles

Low Voltage (24 V to 130 V)

Utility Vehicles

Medium Voltage

(130 V to 400 V)



WEG Traction Systems History

MORE THAN TWENTY YEARS OF HISTORY





18M Bus – 100% batteries

Dual Bus - 23M



Trolleybus - SP



Palio, pompeo and charging station inauguration

2010



Special light vehicles: Dock Dock, Pratyko



3x H2 Bus



E-delivery truck VW MAN



2001



AC and microprocessed locomotives Vitória - ES



CNG hybrid articulated bus Caxias do Sul - RS



Generation and naval propulsion Type PSV Guarujá - SP



Bus H2 RJ



Ethanol hybrid bus Itaipu Binacional





UFSC solar boat



2014

Hybrid truck



Maglev - Cobra UFRJ



2018

UFSC photovoltaic energy bus





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2012



Recent Highlights

MODERN SOLUTIONS FOR MOBILITY

2022



WEG supplies Powertrain and batteries for Transcol's new fleet of electric buses

2023



WEG is the supplier of the Powertrain and batteries for the new electric buses in São Paulo







TRANSCOL

WEG Portfolio for Electric Vehicles COMPLETE PRODUCT LINE **Auxiliary Systems Traction Systems Power supply** Pumping systems, steering systems, auxiliary power output **Battery Pack** Driver **Drives**



Motors

Electric Axle (Hybrid vehicles)





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Drives

SOLUTIONS FOR THE MOST DIVERSE APPLICATIONS



Light Vehicles Low Voltage (24 V to 130 V)





Utility Vehicles Medium Voltage (130 V to 400 V)





Heavy Vehicles High Voltage (above 400 V)





Electric Motors for Automotive Traction

COMPLETE LINE OF MOTORS







HYBRID APPLICATIONS





WEG provides traction systems for integration into electric axles (e-axle) for hybrid applications in heavy and utility vehicles







Battery Pack

COMPLETE AND INTEGRATED SYSTEM





- Vehicle integration of BMS, firmware, VCU and CAM network
- Autonomous and intelligent thermal runaway prevention and suppression system
- Electrical and electronic protections with IoT sensing and monitoring
- Traceability system for second-life management



ar + puro

Energy Storage

COMPLETE SOLUTION FOR CIRCULAR ECONOMY







Charging Stations





WEG Charging Solutions

FOR ALL APPLICATIONS

Light Electric Vehicles



Heavy Electric Vehicles

GARAGES (buses)

Departure and arrival point for electric buses, recharging normally occurs at night, associated with maintenance and cleaning procedures

DISTRIBUTION CENTERS (trucks)

Like garages, but applied to electric trucks, recharges normally occur associated with loading and unloading

TERMINALS AND STOPPING POINTS

These are stopping points along the route, lasting more than 30 minutes, for loading and unloading goods or boarding and passengers

ROUTE

Recharges required for travel. The faster, the better. Located on highways, associated with stopping points with power supply infrastructure, at gas stations or charging hubs in cities to serve those who do not have residential charging facilities





Destination charging

SUPPLIER OF MAIN PROJECTS IN BRAZIL

- Complete product
- Easy customization
- Customer visual identity

WEG supplies electric mobility solutions for the largest electric vehicle charging hub in Latin America

The partnership between Volvo Car Brasil, WEG, BeGreen and São Paulo Corporate Towers accelerates the movement towards sustainable mobility





PARKING – 2 x 22 W AC ~ 3 hours

Semi-quick charging station to be mounted on a **wall or totem** with LCD that allows you to recharge up to 2 vehicles simultaneously



Charge on the route – Fast and Ultrafast

SUPPLIER OF THE LARGEST NETWORK IN BRAZIL



STATION – 30 to 180 kW < 30 minutes

Fast and ultra-fast charging stations, with the three main charging standards used in Brazil, covering more than 98% of applications.



Volvo will invest R\$50 million in an electric car charging network in Brazil

Swedish automaker announces installation of over 73 charging stations in different states across the country

epbr – September 19, 2023 In energy transition



WEG and Gas Station Network Move Towards a More Sustainable Future

WEG is supplying electric vehicle charging stations that will be installed in a network of 25 gas stations in Brazil.

CEEE Equatorial Group invests in electrical route project in Mercosur





12/07/2023

Charging Infrastructure – Turn-Key

COMPLETE CHARGING OFFER FOR HEAVY VEHICLES

Synergy between:

- Traditional businesses (substations, electrical panels, cubicles, protection devices and skids)
- New business (EV Charger and management platform)
- Complete package supply + design, execution, installation, and maintenance



Garages and distribution center





WEMOB Smart Charging System

SOLUTIONS FOR URBAN CENTERS

- System to control, monitor and manage power available for charging stations
- Provides safe recharging
- Apportionment and billing per user









WEMOB Integrators

LARGEST SPECIALIZED NETWORK IN BRAZIL

Network with **+140** exclusive resellers



INSTALLATION AND SUPPORT FOR ELECTRIC VEHICLE CHARGING INFRASTRUCTURE IN BRAZIL



01	02		04	05
Consulting	Inspection and	Sale of	Startup and	Support
and projects	installation	hardware	commissioning	and
		and		technical
		software		assistance



WEMOB Roadmap

INVESTMENT IN RESEARCH AND DEVELOPMENT OF GLOBAL PRODUCTS



Green+ Version

2024 RELEASES



- Version made with 50% recycled resin
- PCR (Post-Consumer Recycled)
- Available for EASY, WALL and PARKING models
- Reduction of 3.4 kg of CO₂ equivalent emissions per product
- Reduction of 42% in electrical energy for resin production
- Maintains mechanical performance, UV protection and flame-retardant characteristics
- 100% recyclable material





WEMOB Easy

2024 RELEASES

- Portable charging station, more powerful and safe for the Brazilian plug standard (NBR)
- WEMOB EASY line, produced in vehicle colors
- Produced in standard and Green+ versions
- 100% recyclable material





WEMOB High Power Charging (HPC)

2024 RELEASES

- 240, 480 and 720 kW
- Ability to recharge up to 4 vehicles simultaneously
- Can recharge 80% of the battery in less than 15 minutes
- AI for power sharing optimization





WEMOB – In numbers

GROWING OPERATION



Internationalization

EXPANSION OF PRODUCT OFFERINGS OUTSIDE BRAZIL

Product certification



Colombia



Mexico



VDA



UK CA

United

Kingdom

CE



Participation in events abroad



ExpoTransporte – Mexico



Exposolar – Colombia







EV Show 2023 -

London, UK

Initial deliveries in 15 countries



Peugeot – Argentina

Renault – Mexico

CIRES – Portugal

DS – Argentina



Growth Strategies





Investments

JARAGUÁ DO SUL - INDUSTRIAL AND TRACTION MOTORS



- Part of the R\$660 million investments announced in 2022
- 18,600 m² (200,000 ft²) built area
- Begins operation in 2024
- Allows gradual and continuous production increase
- Support demand of the next years


Investments

EXPANSION OF THE CURRENT BUILDING AND CONSTRUCTION OF THE NEW BATTERY PACK FACTORY



- Investment of R\$ 100 million
- 6.000 m² (64,500 ft²) built area
- 140 new employees
- Start of Operations in 2024
- It will feature WEG automation, digitalization and industry 4.0 solutions





NEW ASSEMBLY AREA FOR RECHARGE STATIONS



WEG AI automatic Super**Vision**



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Шец









Strengthen position in electric mobility business in Brazil

Expand participation in Latin America

Continue expansion of production capacity





WEG Transmission & Distribution







Carlos Diether Prinz Chief Operating Officer WEG T&D





13 Manufacturing sites 5 in Brazil8 abroad

5,200 Employees

U es

62% in Brazil

Largest

Latin American transformers manufacturer

Complete Portfolio

of transformers

+500

turnkey substations delivered and energized at all voltage levels up to 550 kV

Leader

in the Brazilian market for mobile solutions

Certifications

on the main energy utilities in our markets

Wide Service Network

technical representatives and assistants







Product Portfolio

TRANSFORMERS



15 to 300 kVA 15, 24 and 36 kV





500 to 3,000 kVA 15, 24 and 36 kV



5 to 15,000 kVA 15, 24 and 36 kV





112.5 to 30,000 kVA 15, 24 and 36 kV

Wind

4 to 10,000 kVA

15, 24 and 36 kV





300 to 6,000 kVA 15 kV

Underground and Submersible



300 to 2,000 kVA 15 and 24 kV



45 to 3,000 kVA 15 and 24 kV

Renewable Energies Medium Power



3,001 a 50,000 kVA Up to 145 kV



Power

Above 50,000 kVA Up to 800 kV

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Product Portfolio

Special



3,000 to 150,000 kVA Up to 36 kV / 150 kA

Shunt Reactors



Up to 500 kV

Renovation Services and Repowering



Up to 550 kV





Up to 550 kV

High Voltage Current Transformers and Inductive and Capacitive Potential

Current and Potential Transformers, Low and Medium Voltage, Indoor and Outdoor

Measuring Sets





0.6 a 36.5 kV

15 kV





Product Portfolio



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New Products Development

ASSET MANAGEMENT

WEG Substation Fleet Management

- Intelligent and integrated monitoring
- Failure detection and prevention and remote control
- Integration with other solutions

Merging Unit

- Vertical integration of the solution with PCSS
- Digitization and centralization of substation devices



Green Hydrogen

- Rectifier transformer and turn-key substation
- Power supply for the electrolyser rectification system up to 150 kA









TRANSFORMER OVERHAULING

Scope of Supply

- Power Range 5 to 400 MVA
- Voltage classes up to 550 kV
- Special transformers for furnaces and for rectifier
- Complete assessment of equipment condition
- Transformers from any manufacturer
- Repowering
- Reuse of materials



Renovation capacity **50 transformers/year**



Industrial Footprint

MANUFACTURING UNITS STRATEGICALLY LOCATED



USA

3 manufacturing plants Transformers up to 60 MVA, 161 kV



Mexico 2 manufacturing plants Transformers up to 400 MVA, 550 kV and substations



Colombia 1 manufacturing plant Transformers up to 30 MVA, 72 kV and substations



Brazil 5 manufacturing plants Transformers up to 1.000 MVA, 800 kV, CTs, PTs and substations South Africa 2 manufacturing plants Transformers up to 45 MVA, 145 kV and substations





T&D Operations Evolution

IN BRASIL AND ABROAD

Production Capacity (MVA/year)



79 GVAs/year

of capacity in 2023



220 thousand m² (2,370,000 ft²) of built area in 2023



Transmission & Distribution Opportunities





WEG T&D Solutions

EXCELLENCE IN POWER SUPPLY TECHNOLOGIES



New Solutions

FOR NEW MARKETS AND WITH NEW PRODUCTS





INVESTIMENTS IN ENERGY TRANSMISSION

+R\$ 158 billions

Brazil

according to the Ten-Year Energy Expansion Plan (PDE 2032)

"Crucial factor for the success of the integration of renewable generation and the energy transition, with competitiveness and reliability." Ministry of Mines and Energy





Source: Empresa de Pesquisa Energética (EPE)





POWER TRANSMISSION AUCTIONS (R\$ BILLION)







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Source: EPE/ ANEEL – Updated Set/23

External Markets



USA

- ITC (Investment Tax Credit) from IRA (Inflationary Reduction Act), along with the Paris Agreement to reduce polluting emissions, forecasts a 400 GVA annual deficit in transformers, according to the US Department of Energy
- Replace 120 GW of conventional generation with clean energy
- Transformers market should grow 5 to 7% each year during the period from 2022 to 2031
- WEG has its own design and production technology for transformers up to 550 kV, as well as market access



External Markets



MEXICO

- Large number of companies with investment plans in the country due to nearshore
- Clean energy generation is still concentrated in state-owned companies
- The energy supply pace may not keep up with demand in the coming years
- Expectation of incentives to accelerate the capacity increase, both in generation and transmission



External Markets



COLOMBIA

- Changes in the energy matrix, with renewable energy increasing from 5% to 15% share by 2030
- Updating old substations with the need to replace assets in energy utilities
- Energy sector with consistent growth projection for the coming years



Growth Strategies





Investments in Brasil

INCREASE IN MANUFACTURING CAPACITY





Blumenau

- Expansion of the production line for transformers for application in renewable energy
- Robotization of the radiator factory
- Robotization of the tank factory





Itajaí

New line of compact VPI transformers

Gravataí

- Expansion of the line of medium power transformers
- Expansion of the tank shop
- Expansion of the laboratory





Betim

EXPANSION AND NEW RADIATOR FACTORY



- Investment of R\$ 200 million
- 47,000 m² (506,000 ft²) of total built area
- Begins operation in 2024
- Transformers up to 800 kV
- Mobile Substations and Skids
- Equipment renovations





Itajubá

EXPANSION OF THE BALTEAU FACTORY



- Investment of R\$ 83 million
- 6,000 m² (65,000 ft²) of built area
- Begins operation in 2025
- Transformers for measuring equipment
- Measurement Sets



Investments Abroad

INCREASE IN MANUFACTURING CAPACITY





USA

 Expansion of transformer factory capacity for renewable energy applications



Mexico

Expansion of capacity to manufacture transformers and components

South Africa

Expansion of the capacity of power transformer assembly



Growth Strategy Abroad

MEXICO - NEW TRANSFORMER FACTORY



- Investment of R\$ 765 million
- 33,000 m² (355,000 ft²) of built area
- Begins operation in 2025
- Transformers up to 500 MVA
- Voltage class from 245 to 550 kV



Growth Strategy Abroad COLOMBIA - NEW TRANSFORMER FACTORY



- Investment of R\$ 190 million
- 23,000 m² (248,000 ft²) of built area
- Begins operation in in 2025
- Transformers up to 60 MVA
- 145 kV voltage class





EXTERNAL MARKET

E? CC CC ()

Maintain focus on markets in the Americas and Sub-Saharan Africa

Expand the capacity of our factories

Intensify synergy between North America plants with focus on the vertical integration strategy

Increase participation in the renewable energy and energy transmission markets

Internationalization of Balteau







DOMESTIC MARKET



Increase participation in future energy transmission auctions

Increase participation in the renewable energy market

Expand the capacity of our factories





Financial Update



André Luís Rodrigues CFO





Revenue Performance

REVENUE BREAKDOWN 2023 YEAR TO DATE

	Domestic Market	External Market	Total Net Revenue
Industrial Electro- Electronic Equipment (EEI)	+12%	+6%	+8%
Energy Generation, Transmission and Distribution (GTD)	-5%	+56%	+13%
Commercial and Appliance Motors (MCA)	+2%	+5%	+4%
Paints and Varnishes (T&V)	+4%	+1%	+3%



∆% 09M23 / 09M22



Operating Results

CONSISTENT PERFORMANCE WITH CONTINUED GROWTH





EBITDA (R\$ million) — EBITDA Margin



Return On Invested Capital

DISCIPLINE IN CAPITAL ALLOCATION







Cash Flow Conversion

OPERATIONAL CASH GENERATION FINANCING GROWTH



----EBITDA Conversion into Operating Cash Flow (last 12 months)
Working Capital

INVENTORY NORMALIZATION PATH





PRODUCTION CAPACITY INCREASE TO MEET DEMAND



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INDIA - EXPANSION TO MANUFACTURE WIND TURBINES



- Investment of US\$ 18 million
- 15,000 m² (160,000 ft²) of built area
- 490 new employees
- Conclusion in 2023





CHINA - EXPANSION OF MOTOR FACTORY IN RUGAO



- Investment of US\$ 12 million
- 14,000 m² (150,000 ft²) of built area
- 150 new employees
- Begins operations in 2024
- Increase local vertical integration



MEXICO - ACQUISITION OF NEW LAND



- Investment of US\$ 40 million
- 640,000 m² (6,900,000 ft²) of land
- Atotonilco de Tula, state of Hidalgo
- Long-term strategy
- Proximity to current operations favors integration of production processes





PORTUGAL - SANTO TIRSO FACTORY EXPANSION



- Investment of US\$ 25 million
- 22,000 m² (240,000 ft²) of built area
- 100 new employees
- Begins operations in 2024
- Centralization of operations in Portugal



ITAJAÍ – MACHINING SHOP AND NEW SWITCHES FACTORY





- Investment of R\$ 87 million
- 17,500 m² (190,000 ft²) of built area
- 300 new employees
- Begins operations in 2024
- Expansion of production capacity in automation products





BRAZIL - INVESTMENTS IN JARAGUÁ DO SUL



Cast Iron Machining I



Cast Iron Machining II



Aluminium Die Casting



Stamping



Shaft Machining







Healthy EBITDA margin and ROIC

Operating cash flow conversion normalization

Investment increase to support growth





Strategy Update







Harry Schmelzer Jr. CEO



Highlights of our Journey

STRONG GROWTH IN RECENT YEARS

- Strong demand for industrial products after the pandemic
- Increasing global market share in motors and drives business
- Highlight to solar and T&D business
- Volume increase led to improved margins
- Development of wind turbines, electric mobility and energy storage business





CAGR

30.9%

83

2023 Challenges

GLOBAL DEMAND DECELERATION

- Growth reduction in China
- Conflict in Europe
- Raw material price accommodation

- High inflation and interest rates
- Lower GDP growth



Looking Ahead

OPTIMISM FOR BUSINESS OPPORTUNITIES

- GDP growth, at lower pace
- Nearshoring and Reshoring
- Electric mobility and investments in mining
- New segments and opportunities for traditional WEG products:
 - Low carbon hydrogen
 - Carbon capture and storage
 - Synthetic fuels and biofuels
- Energy efficiency and decarbonization
- Renewable energy and energy storage
- Equipment for protection and control of electrical systems



Global GDP Growth

Source: International Monetary Fund (IMF) Values 2023, 2024 and 2025 are estimates



Main Drivers for WEG Business

STRENGTHEN THE STRATEGY IN BRAZIL AND GLOBALLY

- Pursue double-digit growth
- Growth avenues:
 - International expansion
 - New business
 - More and better
 - Acquisitions strategy:
 - Markets
 - Segments
 - Technologies
 - Business model:
 - Financial discipline
 - Vertical Integration



External Market

NEW MARKETS AND NEW GEOGRAPHIES

- Continue advancing globally in electric motors
 - New factories and expansions: China, India, Mexico, Portugal and Türkiye
 - Incorporation of Regal Rexnord businesses: USA, Mexico, Canada, Netherlands, Italy, India and China
- To grow above average in Drivers and Gearboxes, Motion Drive strategy
- Seize opportunities on T&D in the Americas











HEALTHY GROWTH DYNAMIC

- Continue to develop traditional businesses of Motors, Drives & Controls and GTD
- Expand offerings and solutions for electrification, automation and digitalization
- Strengthen renewable energy solutions
- Prominent player in new segments
 - Powertrain for buses and trucks
 - Electric vehicles charging infrastructure









ESG Highlights

WEG'S COMMITMENT TO SUSTAINABLE DEVELOPMENT

Sustainability Policy

- Global coverage
- Breakdown of objectives into actions

Social Investment Policy

 Expansion and internationalization of social investments





Recognition from Important Indices

- Ecovadis: gold medal
- Sustainalitycs: lowest risk level in the sector



WEG Carbon Neutral Program

FACING CLIMATE CHALLENGES

- Global Program
- Targets for Scopes 1 and 2, based on 2021
 - Reduce 52% of GHG emissions by 2030
 - Achieve net neutral emissions by 2050
- Emissions reduced by 15% in 2022
- +730 emission reduction projects completed/in progress
- Self-production contracts in Brazil from 2024
 - 90% of the energy consumed in 2021 will be from renewable sources
- Contracts for renewable energy abroad
 - Germany, Argentina, Austria, China, India and Portugal
- Globally, 75% of the energy consumed in 2021 will come from renewable sources in 2024



Key Messages



Seek growth in all markets

Continue to expand outside Brazil

Contribute to solutions related to the energy transition

Advance in ESG Actions



