A long-exposure photograph of a city at night. The background features several tall, modern skyscrapers with their windows illuminated, creating a grid of light. In the foreground, a road is shown with bright, horizontal light trails from moving vehicles, primarily in shades of yellow and white. The overall color palette is dominated by deep blues and teals from the buildings, contrasted with the warm yellows of the traffic lights.

Improving energy, mobility and
environment infrastructures
for a sustainable world





Efacec Arroteia Facilities
Matosinhos - Portugal

Agenda

1. Efacec overview

2. Portfolio

Efacec is present in infrastructure development main sectors...

Power Energy



Environment & Industry



Mobility & Transportation



Efacec is an engineering solutions provider



Utilities have increasingly outsourced engineering projects at all stages of the value chain, including EPC and automation systems, as well as power equipment supplies.

Energy

Power Products

To apply on Generation, Transmission and Distribution

- Power Transformers
- Mobile Substations
- Distribution Transformers
- Switchgear solutions and apps
- Automation solutions

Transmission & Distribution

- HV Substations
- MV Substations

Power Generation

- Hydro Power Plants
- Solar Power Plants
- Thermal Power Plants

Energy Service



Efacec is an engineering solutions provider

The environment market derives essentially from people and facilities systems needs.

Efacec targets the global expansion in access to a sustainable environment.

Environment & Industry

Water and Waste

- Water and Wastewater Treatment Plants
- Water Supply and Irrigation Systems
- Remote Management Systems
- Mechanical Treatment, Sorting and Biological Treatment of Solid Waste
- Biogas and Valorization Systems

Engineering Solutions for Industries

- O&G Refineries
- Paper, Pulp and Cement
- Mines & Steel
- Harbours

Efacec is an engineering solutions provider

Mobility & Transportation

Electric Mobility

Efacec offers a full range of charging solutions for electric cars, motorcycles and buses, being the worldwide leader on fast charge.

Transportation

Rail services include a broad range of equipment and systems as high speed trains, heavy and light railway trains as well as the development of the infrastructure.

Efacec is present in most part of the value chain, except in rolling stock for locomotives and wagons.

Those capabilities can also be used in Telecom activities

Mobility and transportation integrate and support people's daily life.

Efacec is a Portuguese-based company with a long and strong history, which goes back to the 40's

Start up of the Efacec Project

1948

Start up of Automation operations

Start up of Transports operations

1983

Start up of Internationalization post exit of ACEC

Start up of the first affiliated companies owned by Efacec

1987

First revenues in the Brazilian market

Divestment from non-core activities

1990

First revenues in the US

Start up of Renewables operations

1996

Focus on Internationalization
Definition of "Efacec markets"

Launch of a new organizational model and creation of the business units

1997

Start up of Power Transformers operations on Effingham plant (November)

1998

2001

Winterfell acquired the majority of Efacec Power Solutions (EPS) share capital

Former company shareholders, José de Mello and Textil Manuel Gonçalves Groups, took the statute of EPS minority shareholders

New corporate bodies were elected

Start up of Power Transformers operations on Effingham plant (November)

2005

2007

2008

2009

2010

2015

The Company has a global footprint on more than 65 countries



- Headquarters
- Factory Units and Delegations
- Countries to which Efacec Core registered sales

Among our clients, we find major players in the different sectors in Portugal and worldwide



...working everyday towards its goals with the commitment of its employees wherever they are...



2330
Employees worldwide



≥ 16,4M€
R&D+I activity



More than 220
employees on R&D+I

Efacec Academy *Lean*
Master Class



Agenda

1. Efacec overview

2. Portfolio

Efacec Maia Facilities
Maia - Portugal

Efacec has activity in three business segments

Efacec Power Solutions
EPS

Products

Transformers

Service

Switchgear

Automation

Systems

Energy

Environment
& Industry

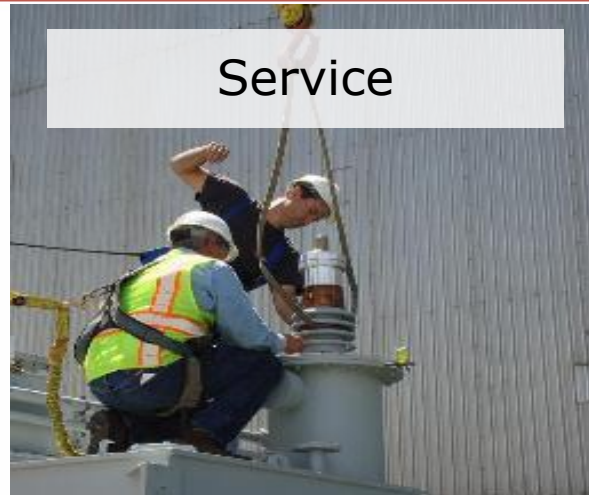
Transportation

Electric
Mobility

Our power products' portfolio includes ...



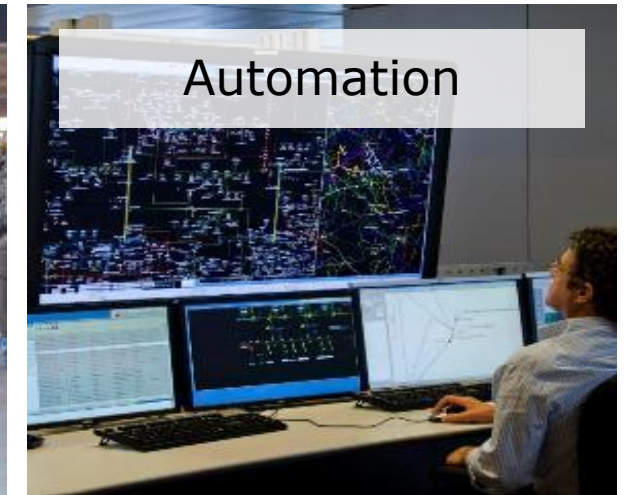
- **Power Transformers:**
 - Shell
 - Core
- **Mobile Substations**
- **Distribution Transformers**



- **Vertically integrated services to:**
 - Industrial facilities
 - Hydroelectric power plants
 - Thermoelectric power plants
 - Small hydro power plants
 - Cogeneration
 - Wind farms
 - Substations
 - Transformer stations



- **Primary Distribution**
- **Secondary Distribution**
- **Compact Substations**
- **High and Medium Voltage Switchgear**
- **Application:**
 - Electric power grids
 - Electric distribution systems
 - Industry
 - Infrastructure systems



- **Energy Management Systems**
- **Distribution Dispatch Systems**
- **Command & Control systems**
- **Application:**
 - Electrical power grids
 - Utilities
 - Transportation
 - Cities
 - Industry

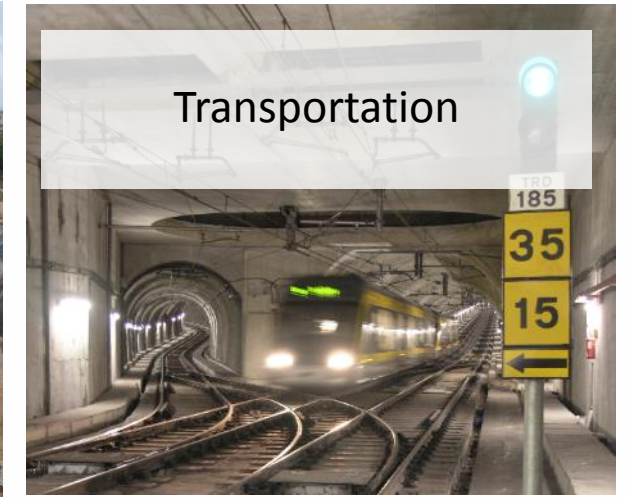
We develop turnkey contracting solutions for ...



- Production, Transportation & Distribution
- Integrated offer of Maintenance and Technical Assistance

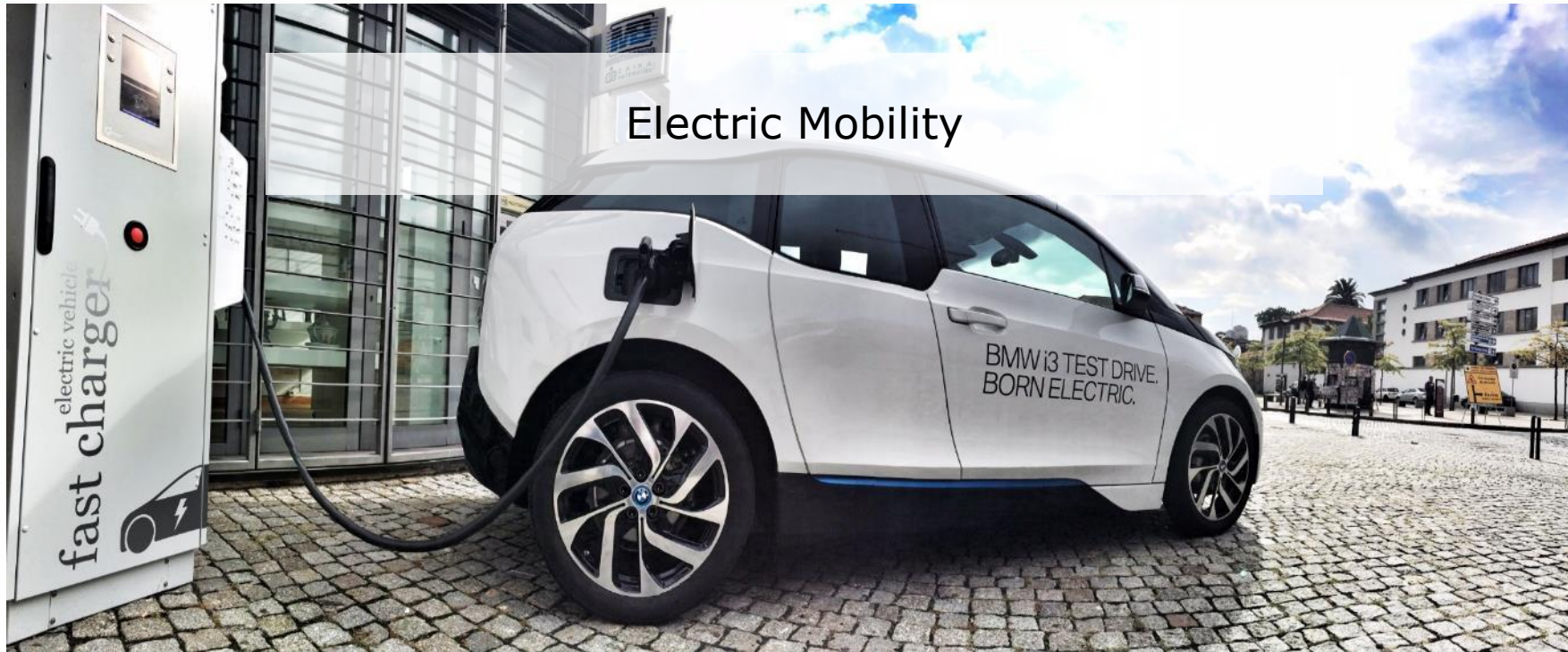


- Effluent treatment stations
- Water treatment plants
- Pumping for irrigation and supply stations
- Mechanical treatment (Sorting and Biological Treatment of Solid Waste)
- Refuse Derived Fuel Systems
- Biogas and Valorization Systems
- Systems operation
- Cogeneration/Combined Cycle/Conventional Thermal Plants (Coal/Oil)
- Distributed control systems (DCS)
- Control & instrumentation
- Energy efficiency retrofit



- Integrated electrical and automation solutions for Railways, Light rails and Roadways segments
- Core capabilities also able to be used in Telecom

We provide a full range of charging solutions to Electric Vehicles



Efacec is one of the worldwide market leaders in fast charging

- Full range of charging solutions to Electric Vehicles
 - **Private Charging | Public Charging**
 - **Quick Charging | Buses Charging**
- Integration of cars, motorcycles and buses in **management systems** for efficient use of electric grid infrastructure



Thank you

