

**| VENUE THE SMARTER E SOUTH AMERICA 2020**

**Expo Center Norte**

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**WHITE & GREEN PAVILION**

**INTERSOLAR SOUTH AMERICA**

**Photovoltaics**

Solar cells and modules

- Solar cells
- Crystalline modules
- Thin-film modules

Balance of systems

- Inverters
- PV monitoring, measuring and control technologies
- Building integrated solutions (BIPV)
- Stand-alone systems, off-grid systems
- Small solar devices
- ICT, PV software

- PV components (cables, connectors, junction boxes, etc.)

- Mounting systems, installation aids

- Tracking systems

Production technologies

- Automation technology
- Monitoring and measuring technology
- Materials and components
- Manufacturing equipment for ingots, wafers, raw material polysilicon, UMG, etc.
- Manufacturing equipment for solar cells, modules, thin films

Solar thermal technologies

- Collectors, swimming pool absorbers
- Building integrated solutions (Facades, etc.)
- Process heat
- Air conditioning and cooling
- Manufacturing machinery and equipment

Solar power plants

- PV systems for residential buildings
- Roof-mounted PV systems for commercial and industrial applications
- Free-standing PV installations
- Operation and maintenance of solar power installations (O&M)
- Solar thermal power plants
- EPC contracting/project development for solar power plants

**RED PAVILION**

**EES SOUTH AMERICA**

Energy storage technologies

- Lithium-based batteries
- Lead-based batteries
- Redox flow batteries
- Other battery technologies
- Recycling/second use
- Fuel cells
- (Ultra)capacitors
- Power-to-gas (hydrogen, electrolysis, methanation, infrastructure, etc.)
- Other energy storage technologies

Energy storage system components and equipment

- Battery management systems
- Power electronics for storage systems
- Battery testing, inspection systems, safety
- Cooling/temperature management
- Battery chargers

Battery production technologies/machine and plant construction

- Materials
- Battery cell production
- Battery module production and system installation/assembly
- Integration/automation technology

Energy storagesystems

- Stationary applications for residential buildings
- Stationary commercial and industrial applications
- Stationary applications for utilities and grid operators
- Low-capacity mobile applications (smartphones, laptops, tablets, etc.)
- Uninterruptible power supply systems (UPS)
- EPC contracting/project development for energy storage systems
- ICT, software for energy storage systems

**SPECIAL EXHIBITION**

- Power2Drive

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**ELETRTEC+EM-POWER**

Systems and plant engineering

- Heat storage tanks/storage technology/systems (thermal)
- Heat/cooling transfer systems
- Efficient pumps/distribution systems
- Generators and emergency power systems
- Compressors and compressed air
- Air-conditioning, cooling and ventilation technology
- Other efficiency technologies (e.g. LEDs)

Energy management/Building automation

- Energy management, monitoring and controlling
- Instrumentation and control engineering
- Smart submetering
- Building automation and sensor technology (smart homes/buildings)
- Smart factories

Software for building design and facility management

- Building services equipment
- Building management systems (BMS)
- Computer-aided facility management (CAFM)
- Other IT, communications and organization software

Energy services

- Energy contracting
- Demand response management
- Energy procurement and contract management
- Auditing and compliance

Electricalengineering– components and services

- Electric drives
- Electromagnetic compatibility
- Industrial & public lighting
- Building and industrial MV/LV installations
- Lightning protection systems
- Installations for hazardous locations (Ex)
- Aerial distribution networks
- Underground distribution networks
- Fire safety