

| VENUE THE SMARTER E SOUTH AMERICA 2021

Expo Center Norte

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WHITE & GREEN PAVILION	RED PAVILION	RED PAVILION	RED PAVILION
<p>INTERSOLAR SOUTH AMERICA Photovoltaics Solar cells and modules</p> <ul style="list-style-type: none"> ■ Solar cells ■ Crystalline modules ■ Thin-film modules <p>Balance of systems</p> <ul style="list-style-type: none"> ■ Inverters ■ PV monitoring, measuring and control technologies ■ Building integrated solutions (BIPV) ■ Stand-alone systems, off-grid systems ■ Small solar devices ■ ICT, PV software <p>■ PV components (cables, connectors, junction boxes, etc.)</p> <p>■ Mounting systems, installation aids</p> <p>■ Tracking systems</p> <p>Production technologies</p> <ul style="list-style-type: none"> ■ 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 <p>Solar thermal technologies</p> <ul style="list-style-type: none"> ■ Collectors, swimming pool absorbers ■ Building integrated solutions (Facades, etc.) ■ Process heat ■ Air conditioning and cooling ■ Manufacturing machinery and equipment <p>Solar power plants</p> <ul style="list-style-type: none"> ■ 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 	<p>EES SOUTH AMERICA Energy storage technologies</p> <ul style="list-style-type: none"> ■ 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 <p>Energy storage system components and equipment</p> <ul style="list-style-type: none"> ■ Battery management systems ■ Power electronics for storage systems ■ Battery testing, inspection systems, safety ■ Cooling/temperature management ■ Battery Chargers <p>Battery production technologies/machine and plant construction</p> <ul style="list-style-type: none"> ■ Materials ■ Battery cell production ■ Battery module production and system installation/assembly ■ Integration/automation technology <p>Energy storagesystems</p> <ul style="list-style-type: none"> ■ 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 <p>SPECIAL EXHIBITION</p> <ul style="list-style-type: none"> ■ Power2Drive South America 	<p>ELETROTEC+EM-POWER SOUTH AMERICA Smart grids and integration of renewable energies</p> <p>Electricity trading and marketing, grids</p> <ul style="list-style-type: none"> ■ Electricity trading and marketing tools (power supply, distribution via direct and flexibility markets) ■ Grid system services ■ Grid infrastructure (transformers, substations, secondary substations) ■ Management of medium and low-voltage grids ■ Smart metering <p>Smart renewable energies</p> <ul style="list-style-type: none"> ■ Products and services for smart grids ■ Products and services for microgrids ■ Virtual power plants/combined power plants ■ Weather and performance/yield forecasts for renewable power plants ■ Software for analysing and simulating energy systems <p>Smart buildings and districts</p> <p>Energy management and building automation</p> <ul style="list-style-type: none"> ■ Energy management, monitoring and controlling ■ Building automation (smart home/building) ■ Software for building design and facility management (BIM/CAFM) ■ Other energy efficiency technologies (e.g. LEDs, heat recovery) <p>Decentralized and renewable energy supply</p> <ul style="list-style-type: none"> ■ Combined heat, (cooling) and power systems ■ Biomass heating systems ■ Power-to-heat and conversion (e.g. heat pumps) ■ Small wind turbines ■ Systems and plant engineering (e.g. heat storage, pumps) 	<p>Commercial and industrial energy services</p> <ul style="list-style-type: none"> ■ Flexibility management (load management/demand response) ■ Energy procurement and contract management ■ Carbon Footprint calculation, reduction and offsetting ■ Auditing and certification ■ Other energy services <p>Electrical engineering – components and services</p> <ul style="list-style-type: none"> ■ 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