

EXHIBITION & CONFERENCE AUGUST 27–29, 2024 SAO PAULO, BRAZIL



Setting the benchmark for the renewable energy industry – Highlights of LATAM's Innovation Hub for the New Energy World

The smarter E South America LATAM's innovation hub for the new energy world

By uniting four parallel exhibitions, **The smarter E South America is LATAM's largest** platform for the new energy and mobility world. Following the vision of a renewable, decentralized and digital energy world and a sustainable mobility future, The smarter E South America takes a comprehensive approach by presenting cross-sector solutions and technologies. It creates opportunities to address all key areas across sectors and industries. Focusing on the interplay of **power generation**, storage, energy management and e-mobility, The smarter E South America brings together international stakeholders of the energy and mobility future from across the world's most influential markets.

CONTENT

Setting the benchmark for the renewable energy industry – Highlights of LATAM's Innovation Hub for the New Energy World

Content of Webinar

Brazil can claim to be a beacon in renewable energy. In 2023, 93.1% of Brazil's electricity came from renewable energy, with solar energy as the second largest source after hydropower with 37.2 GW or 16.5%. Of that, decentralized solar energy accounted for 70%, while centralized solar energy accounted for 30%.

The smarter E South America 2024 Conferences Intersolar, ees, Power2Drive and Eletrotec+EM-Power, aim to set the benchmark for the renewable energy industry. They address market development, technical and regulatory challenges and opportunities, and feature expert presentations on a variety of topics including solar energy, grid infrastructure, energy storage, green hydrogen and electric mobility.

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Upcoming Events



Dr. Rodrigo Sauaia

CEO ABSOLAR



Sergio de Oliveira Jacobsen

CEO Micropower Energy



Gioia Mueller-Russo

Project Manager Power2Drive South America Solar Promotion International



Celso L. P. Mendes

Senior Advisor Aranda Editora /Aranda Eventos



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Don't miss

SAVE THE DATE

The smarter E South America LATAM's innovation hub for the new energy world São Paulo, Brazil | August 27–29, 2024



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Thank you for your Attention!

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Background & timeline

1983 ENIE – Encontro Nacional de Instalações Elétricas MAIN FOCUS: ABNT STANDARDS FOR MV/LV ELECTRICAL SYSTEMS

2012 1st Intersolar South America colocated with XIV ENIE

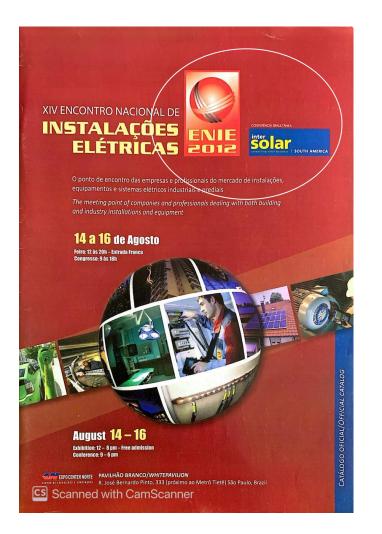
2018 ENIE renamed to ELETROTEC – CONGRESS & TRADE SHOW

2019 ELETROTEC+EM-POWER part of The Smarter E South America

Infrastructure + Energy Management of Buildings & Industry

Premiere of Intersolar South America







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General outline

- 1st day Update on ABNT standards IN PROCESS OF REVISION OR NATIONAL CONSULTATION
- 2nd day Lightning Protection Systems
 A MOST SOUGHT AFTER TOPIC IN BRAZIL
- 3rd day Relevant topics on LV/MV Electrical Installations SELECTED FROM A CALL FOR PAPERS PROCESS



1st day sessions

- 1 Fire protection in PV-Systems ______
- 2 Revision of ABNT NBR 5410 LV Installations
- 3 Arc flash & incident energy NEW!
- 4 Revision of ABNT NBR 14039 MV Installations





2nd day sessions

- 1 Lightning protection for PV-Systems Isolated vs non-isolated Lightning Protection Systems
- 2 Surge protection in LV electrical installations Remote monitoring of surge protection devices
- 3 Accidents caused by non-connecting (lightning) leaders Preventive measures against lightning
- 4 Grounding issues for lightning in PV-Systems Feasibility of LPS in distributed generation plants

78 M LIGHTNING STRIKES A YEAR 800+ FATALITIES IN 10 YEARS





3rd day sessions

- Feasibility of PV-systems deployment
 Performance of a Building Integrated PV-system (BIPV)_
- 2 Compliance of LV installations with occupational safety rules
- 3 Shock protection in residential environments Inspection methods for electrical systems
- 4 Maintenance plan for a large-scale energy storage system



CONGRESS CLOSES

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Thank you & save the date!

See you at The Smarter E South America!

