

## INFRAESTRUCTURE

14h00 – 16h00 | 29/08/2016 Monday | Room 17

# ENERGY: QUALITY AND EFFICIENCY



Moderator **Paulo Roberto Feres De Castro**  
Engineering Director – TV Integração (Globo Network Affiliate)



**Photovoltaic Solar Systems: generating your own energy in an economical and sustainable manner.**

Speaker **Renato Mangussi**  
*Commercial Director – Alsol Energias Renováveis*



**Electricity – innovative protection solutions for the broadcasting market**

Speaker **Engº Milton José Zuntini**  
*Supervisor de Distribuição – CM Comandos Lineares*



**Energy Efficiency and Commissioning/Retro-commissioning: An opportunity for improvement that must not go begging.**

Speaker **Jorge Luis De Souza Gennari**  
*Managing Partner – Mantest Engenharia Elétrica*

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## Infrastructure

# ENERGY: QUALITY AND EFFICIENCY

Moderator: **Paulo Feres**

*Diretor de Engenharia – TV Integração (afiliada Rede Globo)*

- **Photovoltaic Solar Systems: generating your own energy in an economical and sustainable manner.**

**Renato Mangussi**

*Commercial Director – Alsol Energias Renováveis*

In this talk Also will briefly explain how electricity generation by consumers themselves function, based on solar (photovoltaic) sources. We will also show the ANEEL regulatory benchmark for own energy generation, the benefits of the technology, the estimated costs, the financing options and the forecasts for the share of this source in Brazil's energy matrix.

- **Electricity – innovative protection solutions for the broadcasting market**

**Engº Milton José Zuntini**

*Distribution Supervisor – CM Comandos Lineares*

We will cover the precarious nature of electricity in Brazil and the consequences for broadcasting equipment. We will also show the most modern approach to electrical protection (stabilizers/no-breaks). In addition, we will present the major differential, the battery load monitoring and equalization system that extends the useful life of the batteries and advises when a specific battery needs replacing. We will position the major devices in the broadcasting market with the respective alternatives for electrical protection.

- **Energy Efficiency and Commissioning/Retro-commissioning: An opportunity for improvement that must not go begging.**

**Jorge Luis de Souza Gennari**

*Managing Partner – Mantest Engenharia Elétrica*

Commissioning is understood to be a process that ensures the quality and performance of a building. On terms of value for money, it is the best opportunity for reducing energy costs in a consistent and continuous manner.

The Retro-commissioning process ensures the owner/user of the building, whether it is mission-critical or not, that what is being handed over by the suppliers, from the design to the finished work, is what was purchased, including with regard to energy consumption.

Successful case studies of Retro/commissioning will be presented, which led to improvements in Energy Efficiency.



**PAULO ROBERTO FERES DE CASTRO**

Engineering Director – TV Integração (Globo Network Affiliate)

Paulo Feres has been the Director of Engineering at Integração Group for about 8 years, after dedicating 27 years of his professional career to the Engineering area of the Globo TV Network in Belo Horizonte and Juiz de Fora. He is currently in charge of projects involving TV systems, technical support for the equipment facilities and operations in the engineering area, encompassing the capture, production, distribution and transmission at the generation companies at Uberlândia, Ituiutaba, Araxá and Juiz de Fora. He has an Electronics Technician qualification from the Federal University of Minas Gerais (CEFET Belo Horizonte) and in Telecommunications from UNIPAC (Juiz de Fora); he is also a graduate in Enterprise Management from the Leonardo da Vinci University Center and in Personnel Management from UNIASSSELVI. He is also certified by the Amana-Key Senior APG Advanced Management Program (São Paulo), in addition to international certifications from the Disney Institute in Disney's Approach to Business Excellence, in Orlando, and from BFZ (the Training and Development Centers of the Bavarian Employers' Bavaria) and from the Bavarian State Ministry for Economic Affairs, Media, Energy and Technology at the Technical Seminar on Renewable Energy and Energy in the State of Bavaria, Munich, Germany. A regular figure at conferences and seminars on Television Engineering, Paulo Feres is a speaker and is actively involved in discussion groups on digital TV.



**RENATO MANGUSSI**

Commercial Director – Alsol Energias Renováveis



**Engº MILTON JOSÉ ZUNTINI**

Supervisor de Distribuição – CM Comandos Lineares



**JORGE LUIS DE SOUZA GENNARI**

Managing Partner – Mantest Engenharia Elétrica

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