

# Estellito Rangel Jr.

Hazardous locations commissioning Engineer

estellito@ieee.org

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## Summary

FPSO and oil refineries electrical systems design consultant, factory acceptance tests inspector, area classification team manager, electrical safety consultant on Brazilian technical standards (ABNT) and legal requirements (NR-10). Knowledge on IEC, NEC and ATEX standards.

Skills: Safety at the workplace audits, electrical safety management, NR-10 (Brazilian legal requirements for electrical services), explosion prevention audits.

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## Experience

Electrical engineer at Petrobras  
September 1983 - September 2016

Electrical engineer at Alstom Transport  
April 1981 - July 1982

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## Honors and Awards

Best technical paper 2011

Abracopel

"Electricity as a fire generator factor", published in Incêndio Magazine 73, May 2011 (Portuguese)  
<http://www.programacasasegura.org/br/wp-content/uploads/2011/07/A03.pdf>

Best technical paper 2016

Abracopel

"Capacitating in order to prevent", published in Incêndio Magazine 130, May 2016 (Portuguese)  
<http://abracopel.org/noticias/premio-abracopel-de-jornalismo-uma-cerimonia-em-tons-de-emocao-e-muita-alegria/>

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## Courses

Hazardous area electrical installations - avoiding pitfalls	Amsterdam, 2014
Explosion and fire analysis and prevention	São Paulo, 2008
Hazardous area classification	Rio de Janeiro, 2004
IEEE 1349 - Motors in classified locations	Chicago, 2013
Hazardous area classification using API RP-505	Denver, 2005
Area classification using IP-15 and IEC 60079-10	Blyth, 2001

## Certifications

### ISO 9001 Lead Auditor

Stat-a-Matrix Institute, USA License LR-10-6079 December 1998

### Electrical installations conformity inspector

Brasilian Electricity Committee / Target, Brasil License 373 August 2000

### CompEx - Competence in Explosive Atmospheres

JTL / TTE, UK License 8049 December 2002

### Electrical installations inspector

Petrobras / Sequi, Brasil License 7575 January 2004

### Ex installation, inspection and maintenance professional

Senai (Brasil) / Aset (UK) License 84807-1 May 2009

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## Languages

Spanish (Professional working proficiency)

Portuguese (Native proficiency)

English (Full professional proficiency)

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"ready to collaborate."

**16 people have recommended Estellito, among them:**

"Estellito has the most impressive expertise in the field of electrical installation in hazardous locations. I always asked him for advice in products development to the Brazilian Offshore installations. As well, Estellito is the first Brazilian designated as a Member of IEC Technical Committee 31, and contributes to the Brazilian Standardization as I saw him personally in ABNT CB-03/SC-31. He has been presented many papers and gives conferences such as PCIC worldwide and he is also responsible for PCIC Congresses in Brazil, that I had the pride to be included. "

— **Manuel Arós, International Business Development Director, APLEI**

"Estellito is one of the most competent person in EX standards in our country. Genteel person that is always ready to collaborate.

— **Jobson Modena, Guismo**

"For several years Estellito has been a very active member of the Petroleum and Industry Conferences held in the USA and Canada, in Brazil and in Europe. Not only has Estellito presented papers at many of these conferences in these locations, but worked behind the scenes in organizing them, both as Chair of the International Subcommittee in the IEEE/IAS/PCIC and as Chair of the PCIC Brasil. Contributions like Estellito's make these conferences a success."

— **Terence Hazel, Schneider Electric**

"Estellito's electrical training courses have made a positive impact on the level of training and education, not only in Petrobras, but also within electrical engineering community by upgrading the occupational skills of technical workers. His knowledge, shared by his electrical training courses, has improved the career path of electrical personnel, as well as contributed to an improvement in electricity efficiency and reliability, plant productivity and safety, and overall individual and collective competitiveness. "

— **Wilson Guilherme, Project Coordinator, Petrobras**

"Estellito is working to make the working areas safer. He fully understands and actively promotes the use of best international techniques and technical recommendations, as those from IEC standards, in the field of explosion protection and safety at work. Very diligent and cooperative person."

— **Marino Kelava, Secretary IEC SC 31J**

"Estellito is very knowledgeable regarding the standards produced by IEC TC31; Including there application and use as methods of protection in explosive atmospheres. Estellito has demonstrated his knowledge by authoring many papers on related subjects, including area classification. Estellito leadership in the petroleum and chemical industry by being driving force and organizer of the Petroleum and Chemical Industry conference in Brazil. "

— **Ben Johnson, Senior Consultant, Thermon**

"I endorse Estellito Rangel Jr. on his expertise in the field of electrical installation in hazardous locations, he has presented many papers at important conferences such as PCIC USA and PCIC Europe. He is the first Brazilian to be designated as a National representative in IEC Technical Committee 31, and contributes to the Brazilian Standardization in a very active way."

— **John A. Van Straalen, Global Key Account Manager / Hubbell**

"Estellito is a true professional and an asset to any company. I remember him doing the Compex - hazardous course in the UK, performing very well and passing this difficult and demanding course."

— **Anthony Scott, TTE**

"Estellito is recognized as a reference on his job in Petrobras."

— **Paulo Manso, Petrobras**

"Estellito is an extremely committed professional, interested and focused in results. I had opportunities to share experience with Estellito in jobs realized between our companies. During that time, he has proven and was excellent in communicating their ideas with the team. I am very happy to recommend Estellito extremely helpful and knowledgeable. He always had an effective strategy to know how to work in groups because he has skills as honesty, integrity and credibility, attention to detail, dedication and focus on goals, efficiency, organization and time management."

— **Nelson Milani, Sales Manager, Kron**