

Hassan Alvarado

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SUMMARY

Engineering leader with over 15 years focused on codes and standards within data centers and direct current (DC) applications. Proven capability to strategize and execute compliance programs across the electrical and industrial sectors. An effective collaborator, engaging with teams to ensure that new products meet international safety standards while minimizing operational risks. Known for shaping industry practices through representation at meetings and councils. Consistently strive to develop technical insights shared through papers and seminars in this fast-evolving field.

EXPERIENCE

Director, Codes & Standards

January 2021 - Present

Innovatech Solutions

Raleigh, NC

Directly responsible for developing strategies ensuring compliance with electrical and industrial codes and standards, particularly for data center technology and DC systems. Accountable for collaborating across projects to validate product adherence to IEC, NFPA, and UL standards, thus enhancing safety benchmarks.

- Established frameworks oriented around regulatory compliance, addressing critical gaps in safety for data center systems.
- Interlinked with product development divisions to precisely interpret applicable codes, leading each initiative into successful implementation.
- Engaged actively in key industry events to influence standard-setting while representing company interests effectively.
- Authored knowledge-sharing materials presented during workshops focusing on compliance challenges encountered within the industry.
- Sustained mentorship for junior engineering professionals, enhancing the competence of the team concerning regulatory affairs within innovation contexts.
- Played a crucial role in outlining compliance protocols and strategies, driving improved decision-making processes regionally.

Senior Standards Engineer

June 2016 - December 2020

ElectraTech

Birmingham, AL

Oversaw creation of compliance documentation impacting electrical and DC systems, establishing alignment with international standards. The position involved assuring safety measures were met through innovative, regulatory-focused engineering solutions.

- Modified existing process workflows to advance any potential issues regarding compliance paradigms, saving valuable resources.
- Worked closely with validation teams performing rigorous tests to ensure the integrity of newly designed products.
- Conducted frequent training opportunities targeting engineers, increasing engagement and overall transparency with compliance initiatives.
- Facilitated dialogue with external organizations advocating groundbreaking advancements applicable to the data center sector.
- Documented critical findings as part of efforts contributing towards organizational publications within technical reviews.
- Instrumental in securing successful certifications for distinguished projects, positioning offerings strongly within market sectors.

Compliance Engineer

March 2012 - May 2016

PowerGrid Technologies

Atlanta, GA

Focused on supporting compliance with IEC and NFPA standards through collaboration with design teams. Contributed to audit processes that ensured safety benchmarks were consistently maintained across various electrical products under oversight.

- Appraised design methodologies actively integrating compliance specs aligning accordingly with operational imperatives.
- Performed audits ensuring strict adherence to safety directives, subsequently reporting back results for organizational awareness.
- Facilitated groundwork preparing essential compliance submissions required for timely governmental authorizations.
- Represented company interests during pivotal industry gatherings, offering insight based on firsthand experiences facing complex regulations.
- Iteratively contributed content utilizing feedback channels intended for both internal training and external partnerships relating to regulation improvement.
- Developed thorough assessment criteria used to streamline problem-solving discussions in accordance with standing safety measures.

LEADERSHIP & AWARDS

- Certified Compliance Professional - 2020
- Project Management Professional - 2019

EDUCATION

Bachelor of Science in Engineering

2008

University of North Carolina GPA: 3.5

Chapel Hill, NC

Coursework: Electrical Systems, Safety Compliance, Regulatory Affairs, Data Center Operations

CERTIFICATIONS

- Certified Compliance Professional 📅 2020
- Project Management Professional 📅 2019

TECHNICAL SKILLS

- **Standards Development Tools:** IEC, NFPA, UL
- **Compliance Documentation Systems:** Quality Control Manuals, Risk Assessment Templates, Audit Checklists
- **Testing and Validation Equipment:** Automated Testing Frameworks, Software Verification Tools, Compliance Assessment Platforms
- **Project Management Applications:** Trello, Microsoft Project, Asana
- **Technical Communication Tools:** Microsoft PowerPoint, Technical Writing Software, Content Management Systems
- **Regulatory Auditing Methods:** ISO Standards adherence, Internal Review Processes, Certification Negotiation Techniques
- **Training Methodologies:** Onboarding Programs, Workshop Facilitation, Webinars
- **Field Inspection Tools:** Monitoring Devices, Reporting Software, Assessment Platforms
- **Research and Development Protocols:** Laboratory Environment Controls, Field Test Planning, Pilot Studies
- **Industry Collaboration Networks:** Professional Associations, Government Liaison Groups, International Standards Organizations

SKILLS

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|----------------------------------|----------------------|------------------------------------|
| • Codes and Standards Compliance | • Regulatory Affairs | • UL Standards |
| • Data Center Operations | • IEC Standards | • Technical Writing |
| • Electrical Engineering | • NFPA Standards | • Cross-Functional Team Leadership |

PROFESSIONAL AFFILIATIONS

- Institute of Electrical and Electronics Engineers (IEEE)
- National Association of Compliance Professionals (NACP)

LANGUAGES

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST