

# PACHYDERM GLOBAL

CRITICAL INFRASTRUCTURE SERVICES

Muhammed H Kurt



## Hyperscale Cx Manager & Electrical Cx Specialist - Owner's Representative

### PROFILE

Muhammed Kurt is a tri-lingual, results-driven and accomplished leader in critical infrastructure services, specializing in commissioning, quality assurance, program management, safety leadership, and strategic advisory services. Proven ability to lead high-performance teams, ensure operational excellence, and deliver projects on target and within budget. Recognized for implementing innovative solutions that enhance quality, safety, and reliability in complex, high-stakes environments. Expert electrical commissioning leader and quality engineer with a proven track record of managing hyperscale, mission-critical infrastructure quality and commissioning programs.

### PROJECTS

- **HV/MV Commissioning for Data Centers:** Managed the commissioning of high-voltage systems for multinational hyperscale clients, ensuring power quality, compliance with client specifications, and system reliability.
- **Power Quality Measurement & Generator Testing:** Conducted extensive performance testing for power generation systems, ensuring compliance with operational and safety standards. Including Rolls Royce generators.
- **Data Center Commissioning Achievements:** Electrical Commissioning and Quality Lead for projects totalling over 200 Megawatt of IT power.

### EXPERIENCE

PGCIS GmbH

2024 – PRESENT

#### ***Co-Founder & Managing Director (Commissioning & Quality Operations)***

- Lead commissioning and quality operations in Germany, overseeing the execution of electrical system commissioning for critical infrastructure projects.
- Manage construction quality and commissioning teams for large scale hyperscale programs, with emphasis on high-voltage systems, power distribution, and operational optimization.
- Development and implementation of training programs for electrical commissioning, quality, and operation of electrical equipment.

BUREAU VERITAS PRIMARY INTEGRATION

2023 - 2024

#### ***Electrical Lead / Sr Cx Engineer***

- Conduct detailed testing and troubleshooting for electrical systems, maintaining high standards of quality and operational excellence.
- Led commissioning teams, ensuring compliance with design specifications and the successful execution of HV/MV/LV system installations and testing.
- Managed power quality analyzing and performance testing for hyperscale data centers and large industrial projects.

#### **NORTH AMERICA**

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CONFIDENTIAL AND PROPRIETARY MATERIAL

CONTACT

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Germany



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LEGRAND SYSTEMS

2022 - 2024

### ***UPS Service Engineer***

- Installation and commissioning of UPS systems in various environments like hyperscale data centers, industrial plants, chemical plants, hospitals, office buildings.
- Maintaining and servicing of UPS and battery systems, ensuring longevity and reliability of UPS systems in sensitive environments.

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TESLA GIGAFACTORY BERLIN-BRANDENBURG

2021 - 2022

### ***Facilities Operations***

- Involvement in projects of the "25 Guns" engineering team of Tesla, securing timely fulfillment of changes being made to adapt to new conditions, systems, or processes.
- Tesla's "25 Guns" engineering team is a specialized task force established to tackle the company's most challenging engineering problems with speed and precision. This elite group reports directly to CEO Elon Musk and was instrumental in the development and success of Tesla's Gigafactory Berlin
- Supporting construction of the Tesla Gigafactory, guaranteeing the safe and on-time delivery of project targets.
- Commissioning support of HV/MV/LV electrical distribution systems and first energization procedures.
- Leading and guiding the HV switchyard/substation team through commissioning and operation activities.
- Contributed to the development of preventative maintenance procedures for the facilities operations of electrical power supply systems.
- Training of electrical team members (Safety, Electrical Systems, Power Distribution)

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SANDER ELEKTRISCHE ANLAGEN GMBH

2018 - 2021

### ***UPS Service Engineer, Project Lead, Site Manager***

- Installation and commissioning of UPS systems, DC power supply systems, battery systems, and battery monitoring systems.
- Leading DC power supply projects across Germany for a large telecommunications network supplier to replace existing power supply systems during operation without interruption.
- Construction site management of hyperscale data center projects.
- Maintenance of static & rotary UPS systems, batteries, and DC power supply systems.
- Training of team members for load bank operation, maintenance procedures, and UPS operations.
- Supervising and training of electrical apprentices.

## **CORE COMPETENCIES**

QUALITY ASSURANCE & CONTROL | ROOT CAUSE ANALYSIS | REGULATORY COMPLIANCE & INDUSTRY STANDARDS |  
PROBLEM-SOLVING & | WORKFLOW OPTIMIZATION | TRAINING & DEVELOPMENT | RISK MANAGEMENT & SAFETY COMPLIANCE |  
LEADERSHIP & TEAM BUILDING | MULTINATIONAL PROJECT MANAGEMENT | CLIENT RELATIONS & STAKEHOLDER MANAGEMENT |  
BUDGETING & COST CONTROL | ELECTRICAL COMMISSIONING | HV/MV SYSTEM DESIGN & COMMISSIONING | POWER QUALITY &  
GENERATOR PERFORMANCE TESTING | UPS SYSTEMS & SWITCHBOARDS | EPMS/EMS SYSTEMS | SCADA SYSTEMS  
COMMISSIONING



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## EDUCATION

ELEKTRO LEICHTLE GMBH, MAGSTADT

2004 - 2018

- Apprenticeship Electrical Technician - Energy & Building Systems
- Installation and maintenance of electrical systems.
- Energy efficiency and building automation.

## LICENCES & CERTIFICATIONS

- Certified for switching up to 110/150kV.
- Various certification in power systems and electrical commissioning.
- NFPA 70E certification.
- "Arbeiten unter Spannung" - Certified to work on live systems up to 1000V.
- Certified and Qualified Electrical Technician.
- Multiple first aid training certifications.

## LANGUAGES

- German (Native)
- English (Proficient)
- Turkish (Advanced)
- Polish (Beginner)

## CONTACT

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