

# AHMET MURAT SEYHAN



**Low Voltage and ELV MASTER ELECTRICIAN and FOREMAN**

**Address :** TURKEY / HATAY

**Currently resident in Hatay, Turkey**

**EDUCATION:** Reyahnli meslek lisesi 1999-2002

Mustafa Kemal Atatürk University of Hatay Electric-electronic 2002-2005

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## WORK EXPERIENCE

### ● ELV installation MASTER ELECTRICIAN and SUPERVISOR

#### ♥ At AYGEN Engineering (Mechatronics)

#### ♥ Manufacturer factory / Hatay / Turkey - 2022-2023

**Automation Panels Design, assembly connections and Production:** In my professional career, I have developed extensive expertise for Timber Drying and ISPM15 Heat Treatment Kilns automation panels. In this process, I designed the automation panels according to each oven feature, made internal design connections and tests.

**PLC Programming:** I performed programming on PLC systems used in various projects, especially with Siemens FATEK FBS-20MAR2-AC and Siemens series PLCs. Among programming languages, I have experience in various languages such as Ladder Logic and Structured Text. Additionally, I have a strong knowledge of topics such as input/output configurations, PID control systems and data acquisition strategies.

**HMI Design and Programming:** I designed and programmed HMI interfaces such as Beijer X2 pro 10 and Siemens. I gained experience in graphical interface design, creating user-friendly control panels and adding customized functionality.

**System Integration and SCADA:** I successfully integrated PLC and HMI systems, performed detailed tests of the systems, and managed the system on SCADA, ensuring smooth handover to customers and producing solutions in accordance with industry standards.

**Mastery of Technology:** With my command of the latest technology, I focus on providing innovative and effective solutions in every project. I develop strategic approaches to technical problems with my strong analytical thinking and rapid solution generation skills.

### ● Low Voltage and ELV installation MASTER ELECTRICIAN and FOREMAN

#### ♥ At HEINLE (Met-Installation SERVICES)

#### ♥ Kinderzentrum building project / Munich / Germany - 2021-2022

**Project:** Munich Prestigious Kinderzentrum Project Low Voltage, Low voltage and ELV Package Management and installation

**Duties and Responsibilities:** Assigned as Low Voltage and Extra Low Voltage Package master and foreman to the prestigious Kinderzentrum Project in Munich, my role included wide responsibilities. These tasks range from the initial installation phase to the installation of lighting cabling and connections, cable channels, security cameras, alarm systems, fire detection systems, building automation systems, (HVAC control, curtain control, energy management, etc.) sound, fire, Alarm and Monitoring Systems, panel connections and installation. I was involved in the supervision of all aspects of low voltage (LV) and ELV services and operations, ranging from the installation phase to overseeing the entire commissioning and testing processes. I took primary responsibility for the management and coordination of Low Voltage and ELV systems, ensuring all aspects of life safety were met to the highest standards. A critical component of my role involved in-depth review of the project design to ensure precise performance and strict adherence to industry standard codes of practice.

**Low Voltage (LV) Cabling:** One of the most important aspects of my role was the meticulous selection, precision laying and competent connection of cables, all specifically designed to meet the demanding requirements of Low voltage power distribution. I also supervised and carried out the installation of LV circuit breakers and disconnectors, ensuring that these

elements were seamlessly integrated into the medium voltage system. The installation and interconnections of low voltage (LV) panels are also my responsibility, and I meticulously supervised their correct installation.

**Grounding System:** One of the main responsibilities to increase the safety and efficiency of the project was the installation of an advanced grounding system. It is designed to serve the dual purpose of preventing and protecting against potential high voltage related hazards within the medium voltage system.

- **Low Voltage and ELV installation MASTER ELECTRICIAN**

- ♥ **At Bilgili electric**

- ♥ **Housing project building / Istanbul / Turkey - 2020 - 2021**

**Project:** Project Low voltage and ELV package FOREMAN on the housing project building, located in Istanbul

**Duties and Responsibilities:** My job as a low voltage master electrician in a prestigious housing project in Istanbul included wide responsibilities. Among these, I ensured that the installation of lighting cabling and connections, cable channels, security cameras, alarm systems, fire detection systems, sound, fire, Alarm and Monitoring Systems Systems panel connections, and the commissioning and testing processes were carried out meticulously. He was involved in the supervision of all aspects of low voltage (LV) and ELV services and operations. I assumed primary responsibility for the effective management and coordination of LV and ELV systems and ensured the highest standards of life safety compliance. A key component of my role involved rigorous review of the project design, ensuring precise performance and the strictest adherence to industry standard codes of practice.

- **Low Voltage ELV installation and Designer MASTER ELECTRICIAN and FOREMAN**

- ♥ **At Pasha Construction**

- ♥ **Caspian WaterFront Mall Baku / Azerbaijan - 2016 – 2020**

**Project:** Caspian Waterfront Shopping Mall and Entertainment Center, Baku - Low Voltage and ELV

**Duties and Responsibilities:**

In my role as Low Voltage and Extra Low Voltage (ELV) Package Master electrician - Foreman at the prestigious Caspian Waterfront Mall and Entertainment Center in Baku, I took on a versatile role encompassing a wide range of important responsibilities.

**Low Voltage and ELV Systems:**

I took on the task of inspecting and installing the entire field of Low Voltage and ELV systems, diligently ensuring their flawless operation and compliance with industry standards and safety protocols. This involved a comprehensive review of the project design to ensure not only optimum performance but also adherence to relevant codes of practice.

**SubContractor Oversight:**

On a daily basis, I managed the organization of the Low Voltage and ELV subcontractor teams, ensuring full compliance with the contract terms and details of the installation specifications. I conducted meticulous field inspections to verify the results of rigorous testing procedures.

**Meetings and Documentation:**

I chaired important meetings and meticulously prepared comprehensive planning documents for our valued subcontractors. My role required diligent review and verification of life safety measures to ensure full compliance with stringent regulations.

**Building Management System (BMS) and PLC Programming:**

In addition to the above-mentioned responsibilities, I took an active part in the Building Management System (BMS) design, installation and programming. This institution included many monitoring and control systems, from integrating the chiller system into the BMS to integrating the HVAC system. This involved meticulous formulation of operation sequences, meticulous preparation of material presentations, intelligent commissioning of all BMS components and precise orchestration of harmonious coordination between mechanical and electrical aspects.

**PLC (Programmable Logic Controller) and Module Connections:**

I managed the complex connections and programming of PLC and modules within the scope of BMS and ELV systems. This involved the selection, installation and programming of PLCs and various modules to provide seamless control and automation of systems such as HVAC, lighting and security. The fine-tuned configuration and interconnection of these devices played a crucial role in achieving optimum energy efficiency and operational performance.

**Fire Alarm and PAVA Systems:**

I played a pivotal role in the design and flawless installation of fire alarm and Public Address and Voice Alarm (PAVA) systems. This included ensuring uncompromising compliance with NFPA standards that determine cause and effect. I meticulously

prepared material deliveries and managed a flawless commissioning process. I also created a complex network that ensured perfect coordination between mechanical and electrical components and ensured field installation.

Robust testing and deployment phases are expertly facilitated with state-of-the-art computer-based tools. Extensive QAQC processes and inspections were carried out with complete precision, resulting in a smooth handover to the main contractor.

#### **IT Network:**

The flawless design and installation of IT Network systems fell under my purview. This involved meticulous preparation of material presentations and the unhesitating deployment of all data systems. I oversaw the installation process on site with attention to detail, ensuring flawless coordination between mechanical and electrical aspects.

Testing, commissioning and QAQC procedures were meticulously implemented, resulting in a flawlessly smooth handover to the main contractor.

#### **Facade Lighting:**

The aesthetic yet functional design and installation of facade lighting systems was carried out under my supervision. I meticulously prepared the material deliveries and supervised the field installation, ensuring that the testing and commissioning phases were carried out with precision. Rigorous QAQC and inspection processes were implemented, resulting in a smooth handover to the main contractor.

#### **Utility Meters and Detection Systems:**

My scope covered the design and installation of electricity meters, including water meters, gas meters, electricity meters and calorimeters. I also designed and installed gas leak detection systems, pedestrian counting systems, HSSD-VESDA fire systems, FM200 systems, vehicle access control systems, door access control systems, elevator access control systems, lighting control systems, and parking lot management systems. and installed water leak detection systems

#### **Maintenance and Commissioning:**

I have provided meticulous oversight and troubleshooting in the maintenance of generators, transformers, switches, motor control centers (MCCs DDCs), Low voltage/low voltage variable frequency drives (MV/LV VFDs), and numerous other electrical components. The operation and maintenance of fuel supply systems were carried out under my master management; In this way, it was ensured that low voltage (LV) energy, lighting and lightning protection measures were maintained flawlessly at the construction site.

It was my solemn duty to ensure that stringent quality control requirements were met and that every aspect of electrical work was subject to strict inspection. The installation of electrical and lighting systems was supervised and the pre-commissioning of all electrical equipment was carried out under my supervision.

### ● **Low Voltage and ELV installation MASTER ELECTRICIAN**

♦ **At Bilgili electric**

♦ **Turkish airlines simulation central building Istanbul / TURKEY - 2015-2016**

**Project:** Low Voltage Package foreman at the Prestigious Turkish Airlines Simulation Central Building in Istanbul

#### **Responsibilities:**

I assumed the role of Low Voltage Package Foreman for the Turkish Airlines Simulation Central Building in Istanbul. My responsibilities encompassed a wide range of tasks, from the initial installation phase to commissioning and testing. I led all aspects of Low Voltage (LV), ensuring the highest standards of life safety were upheld.

#### **LowVoltage(LV):**

I led the installation of Low voltage, overseeing cable tray assemblies and panel connections. I ensured the proper installation of these systems and conducted comprehensive testing to guarantee their correct performance. My duties included panels connections and interconnections, as well as cable routing and terminations.

#### **QualityandSafetyAssurance:**

My responsibilities encompassed verifying compliance with codes of practice and industry regulations to maintain the highest levels of quality and safety.

In summary, my role as the Low Voltage Package Foreman for the Turkish Airlines Simulation Central Building involved overseeing all aspects of LV, from installation through to commissioning and testing. I played a crucial role in cable tray assemblies, panel connections, and meticulous cable routing, ensuring that all systems were installed and tested to the highest standards of performance and compliance.

## ● Low Voltage ELV BMS installation and Designer MASTER ELECTRICIAN and FOREMAN

### ▼ At AE ARMA-ELEKTROPANC

▼ Pik Palace & Park Chalet Hotels Projects / Shahdag Villas – Guest Villa, Villas, VVIP/ Baku White City Boulevard Hotel/Azerbaijan 2013-2015

#### **Responsibilities:**

As the Foreman responsible for Low Voltage (LV) and Extra Low Voltage (ELV) systems on various projects in Azerbaijan, my role entailed a comprehensive array of tasks spanning from installation to commissioning and testing. I installed and supervised the ELV and LV systems for fire alarm, CCTV, security, building management systems, low voltage cable pulling, panel design and installation, and IT network works. My daily responsibilities included overseeing the installation of these systems, ensuring that the designs were not only functional but also compliant with industry standards. This involved producing detailed take-offs for ordering cables and equipment, and organizing containment and cable pulling teams during installations. I had the day-to-day running and management of all Subcontractors, along with the inspection and validation of all systems.

I have reviewed designs to ensure that performance and compliance with codes of practice have been met in the field of Low Voltage (LV) and Extra Low Voltage (ELV) systems. I carried out the selection, laying and connection of cables with a capacity suitable for Low voltage energy distribution, specifically for LV systems. I carried out the installation, placement and insulation tests of the LV equipment required for the low voltage system. It was also my responsibility to install low voltage panels and connect the cables to these panels correctly. The final step involved comprehensive testing and commissioning of all components in the LV system..

**In the realm of Extra Low Voltage (ELV) systems,** I was responsible for data cabling, security systems, audio and video systems, lighting control systems, and fire detection and security systems. This included laying, making, and testing appropriate cable installations for information technologies, network infrastructure, and data communication. I installed the installation of camera systems, alarm systems, motion detectors, and access control devices. My role extended to the installation and positioning of audio systems, projectors, displays, speakers, and other audio and video equipment. I also ensured the proper installation of lighting control panels, making connections and programming lighting levels. Additionally, I supervised the installation of fire detection devices, smoke detectors, and fire extinguishing systems, followed by comprehensive testing and commissioning of all ELV systems.

**For computer and network equipment,** I took charge of their installation, configuration, and testing, encompassing computers, servers, network switches, and other network equipment, ensuring seamless integration and functionality.

## ● ELV- BMS Apprentice Electrician and Journeyman

### ▼ At Ekin Project

▼ NDIA ( NEW Doha International Airport) Doha / Qatar 2008 - 2012

**Project:** NDIA (NEW Doha International Airport) Doha, Qatar - ELV Apprentice Electrician and Journeyman

#### **Duties and Responsibilities:**

In my role as an ELV (Extra Low Voltage) Apprentice Electrician and Journeyman at the NEW Doha International Airport in Doha, Qatar, I took on a multi-faceted role building management systems (BMS) and electrical installations. Key highlights of my responsibilities included:

#### **Building Management System (BMS) Mastery:**

I excelled in installing BMS components, taking charge of sensors, control panels, HVAC systems, energy management technologies, PLC connections, DDC Panel, MCC panel connections, and comprehensive cabling of the entire system.

#### **SCADA (Supervisory Control and Data Acquisition) Systems Proficiency:**

I showcased my expertise in the installation of SCADA systems, with a profound understanding of BACnet and Modbus protocols.

**in the Electrical piping Installation Piping:** With 5 years of experience in the field, I actively contributed to project planning, execution, and maintenance.

I took pride in my competence, particularly when working with EMT (Electrical Metallic Tubing) and RSI (Rigid Steel Conduit) piping.

## SKILLS

**English :** B2 Professional work competence  
**Driver License:** Class D Turkish Class B B1 poland

### Electrical Licenses:

Journeyman Electrician License  
Master Electrician License  
Equivalence IHK FOSA from Germany


## SKILLS


Quantity Survey and Progress Payment  
Conducting System Tests  
Conduit Bender Elite  
Using Klein Tools Electrical App  
Safety Awareness  
Planning and Design Capability  
Problem-Solving  
Technical Documentation  
Teamwork  
Communication  
Project Management  
Code and Standard Knowledge  
Team Management


## CERTIFICATIONS

Achievement SUPERVISOR  
sky oryx joint venture BMS TECHNICIAN FOREMAN  
sky oryx joint venture SAFEST WORKER  
Exemplary performance

## REFERENCE

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