

EUR ING Cihan KARAMAN, Electrical & Electronics Engineer

8109 sokak No:18/3 k:3 d:3 Çiğli İzmir, İzmir, 35640, Turkey, +90 543 438 62 09, cihan.karaman13@gmail.com

Date of birth	14.08.1989	Nationality	T.C.
Place of birth	Konak, İZMİR	Driving license	B,A2

LINKS [Linkedin](#)

PROFILE

*After graduating as an electrical and electronics engineer in 2016, I worked in many **EPC** companies on **Solar Power Plants Project**, which is my area of expertise. My expertise and researching area includes of simulations of AC/DC load flow, short circuit analysis, grounding calculations by using **ETAP**, and also relay selectivity for radial and ring circuits by using **ETAP** and, beside of it by using **Digsilent Power Factory** program, I can do quasi-dynamic and EMT simulations for distribution or transmission grids created by users. With the **Digsilent** program, I can track of reactive and active power flows from the busbars and I can integrate PV Power Plant Systems and can graph on the scripts to see voltage and frequency deviations at the static droop percentage of grid.*

Organizations and Events

Speaker- IEEE PES 2019 (PV Effects on Radial Distribution Systems)

Speaker-PVCON 2020 (Effects of PV Power Systems Penetration on Frequency and Voltage in Distribution Network)

Proceedings

ICEEE 2021 (Proceedings) - Effects of PV Power Plants on Power Factor and Protection Devices (Accepted for publishing)

ICEEE 2021 (Proceedings) - Battery Capacity Determination for Microgrids Energized by Hydroelectric and PV Power Plants (Accepted for publishing)

Certifications

Denmark Technical University - Wind Energy

Delft Technical University - Smart Grids

Imperial College London - Incorporating Renewable Energy in Electricity Grids

Program knowledge

ETAP, Autocad, ABB E-design, PVSyst, PVSol, Digsilent, Ms Office

Language knowledge

English - C1, Spanish- B1

EMPLOYMENT HISTORY

Apr 2023 — Oct 2023

Senior Project Engineer, Aden Solar Enerji

Aydın

While working within the company, I was involved in feasibility studies and offer processes for Solar Power Plants and played an active role in TEDAŞ/EDAŞ processes.

9 different rooftop **PV project desing** and totally **227 kWp** power

- Making PVSyst simulations
- Preparation of offers
- Preparation of feasibility
- Issue of call letters
- Preparing the electrical project, preparing the EDAŞ/TEDAŞ file and submitting it to the institution's approval
- Signing the connection agreement
- Application for provisional admission and realization of admissions
- Signing of system usage agreements

Sep 2022 — Apr 2023

Project Engineer, Inostr Enerji & Yomtov Enerji

İzmir

While working within the company, I was involved in feasibility studies and bidding processes for Solar Power Plants and played an active role in TEDAŞ/EDAŞ processes.

18 different **PV project desing** and totally **6,300 kWp** power

- Making PVSystem simulations
- Preparation of offers
- Preparation of feasibility
- Issue of call letters
- Preparing the electricity project, preparing the EDAŞ/TEDAŞ file and submitting it to the institution's approval
- Signing the connection agreement
- Application for provisional admission and realization of admissions
- Signing of system usage agreements

Mar 2022 — Jul 2022

Project Engineer/Manager, Elkom Elektrik A.Ş.

İzmir

While working within the company, I was involved in feasibility studies and bidding processes for Solar Power Plants and played an active role in TEDAŞ/EDAŞ processes in **16** different projects (**7,800 kVA** in total) for Solar Power Plants project design and institution approvals, issuing call papers, project approvals. I have managed and carried out the temporary admission processes, connection and system usage agreements.

- Making PVSystem simulations
- Preparation of offers
- Preparation of feasibility
- Issue of call letters
- Preparing the electricity project, preparing the EDAŞ/TEDAŞ file and submitting it to the institution's approval
- Signing the connection agreement
- Application for provisional admission and realization of admissions
- Signing of system usage agreements

Aug 2021 — Jan 2022

Project Engineer, Yararlı Solar Enerji

Adana

While I was working within the company, I prepared a **40 MWp** Solar Power Plant proposal and carried out project design and follow-up activities with a total power of **5,000 kVA** (5 different projects). The biggest project I have designed during this period is the ERBEY-2 SPP **2,947,5 kWp / 2,300 kWe** optimizer SPP project in Adana OSB.

- Making PVSystem simulations
- Preparation of panel layouts and quantification
- Preparation of offers
- Preparation of feasibility
- Issue of call letters
- Preparing the electricity project, preparing the EDAŞ/TEDAŞ file and submitting it to the institution's approval
- Signing the connection agreement and obtaining GIS approvals, applying for temporary admission and realization of acceptances, and signing system usage agreements

Jan 2021 — Apr 2021

Project Manager, ACS Enerji

İzmir

While working within the company, I was in the process of bidding for a total of **28 MWp** Solar Power Plant.

Sep 2020 — Dec 2020

Project and Application Engineer, Girişim Elektrik A.Ş.

Ankara

During my stay in the company, I played an active role in providing communication between the field and the office and supporting procurement processes, developing technical accounts and sharing information, and progressing the required documents and procedures in foreign projects.

Jun 2020 — Sep 2020

Project Engineer, Optimal Proje Management

Ankara

Managing the project design process of the SPP projects planned to be installed on school roofs within the scope of the European Union Fund, which belongs to the Ministry of National Education for the provinces hosting Syrians, preparing electricity projects, submitting them to the administration, managing the TEDAŞ approval process and obtaining TEDAŞ institution approvals, making 3D settlements for land projects, and I have played an active role in the preparation of draft projects.

- Roof SPP project design and follow-up (**6 MWp - 48 School Project**)

Aug 2018 — Jun 2020

Founder, Cihan KARAMAN C-rel Enerji

İzmir

In the sole proprietorship I have established, I have carried out project design and consultancy activities on renewable energy, solar energy, which is the main field of activity, and electrical installation control and test measurement activities for which I have received authorization certificates from the Chamber of Electrical Engineers.

- Roof SPP project design and follow-up (30 kWp-3 different projects)
- Preparation of SPP feasibility report (2.6 MWp)
- Test measurement services at 800 points (Reference companies: Dikkan Valve, Dikkan Kablo, Form Protective Packaging, Corium Belt, Başaran Kazan, Refined Billur Salt)
- Giving Solar Power Plants Training (7 people)

Dec 2017 — May 2018

Control Engineer, Tekom-Puk

İzmir

Within the company, I provided services for the mechanical installation and panel assembly controls of the Solar Power Plants, and the reporting activities to the administration.

- **1.2 MWp** Roof GES mechanical installation (Istanbul)
- **36 MWp** profile driving-pull test (Afyon, Çankırı, Elazığ)

Apr 2017 — Nov 2017

Project Engineer, Ege Solar

İzmir

Within the company, I provided services in drawing the electricity projects of Solar Power Plants and obtaining TEDAŞ approvals.

- **1738 meters Swallow** ETL drawing
- **4 MWp** roof and land SPP projecting and monitoring

Aug 2016 — Dec 2016

Automation Engineer, Ektam Makine

İzmir

Within the company, I have supported the testing of bottle filling machines and the improvement of their software.

Jan 2016 — Jul 2016

Project Engineer, Cn Enerji

İzmir

I started working within the company before my graduation and I played an active role in the design of Solar Power Plants and getting TEDAŞ approvals.

- **2 MWp** roof SPP project approval and follow-up

EDUCATION

Sep 2013 — Jun 2016

Bachelor, Gediz Üniversitesi Elektrical and Electronics Engineering

İzmir

Aug 2007 — Dec 2010

Cadet, Land Forces Military School

Ankara

Sep 2003 — Aug 2007

Cadet, Maltepe Military High School

İzmir

SKILLS

Management	Expert	Team Leadership	Expert
Leadership	Expert	Analytical Thinking	Expert
Leadership	Expert	Strategic Planning	Expert
Team Leadership	Expert		

REFERENCES

Nurhak AKTAŞ from ACS Enerji

+90 537 954 45 54

Ezgi Eylül HASVATAN GAVAS from Elkom Elektrik A.Ş.

+90 533 290 71 06

Mehmet YARAR from Yararlı Solar Enerji

+90 533 811 16 15

INTERNSHIPS

