

HANDE TEMUR
MSc. Meteorological Engineer
(PhD. Candidate)

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Instructor

EXPERIENCES

ATO Part-Time Instructor

- Theoretical Knowledge Instructor (Meteorology 050)
- Giving lectures about aviation meteorology (PPL and ATPL level)
- The main aim and focus of the study is aviation meteorology;
- With the Meteorology 050 lesson, which is a part of the piloting flight lessons, the pilots can learn about the pressure, temperature, wind, humidity, etc. in the atmosphere. to evaluate such entities.
- To enable pilot students to evaluate events such as meteorological data and analysis, forecast models and risk factors (icing, turbulence, hail, microburst, mountain wave, wind shear, fog, etc.).
- I provide training to enable pilots to interpret weather conditions and read meteorological codes by interpreting synoptic maps at an ideal level.

Instructor

İstanbul Bilgi University

(January, 2021 – July, 2022)

Giving lectures about aviation meteorology to provide evaluation of basic meteorological parameters, interpretation of meteorological maps and teaching of meteorological codes in Department of Aviation Management.

Instructor

İstanbul Gelişim University

(October, 2021 – February, 2022)

Giving lectures about aviation meteorology as an instructor to provide the evaluation of meteorological parameters, interpretation of meteorological maps and teaching of meteorological codes in order to make flight planning in the Flight Operations Management department.

Reasercher

Reasercher Assistant on TÜBİTAK Project (September, 2018 – November,2020)

The Scientific and Technological Research Council Of Turkey (TÜBİTAK) project:
Detection of atmospheric conditions in İstanbul by Doppler-Sodar and Lidar-Ceilometer devices and investigation of their effects on air quality

Project Engineer

Artıbir Energy A.Ş. / İstanbul (August,2018 – February,2019)

- Responsible for developing and managing international renewable energy projects mainly Australia, Ukrain, Hungary and South Korea (such as wind, solar, biomass, hydroelectricity and hydrogen energy projects)
- Proficient in wind and solar technical analyses software (WindSIM, WASP, WindoGrapher, Global Mapper, PvgIS)
- Conduct wind resource assessment, energy potential analyses , energy efficiency and annual energy potential by WidSIM (including loss and uncertainty calculations)
- Forecasting wind speed, solar radiation over a region and hydraulics analysis such as precipitation and flow analysis.
- Design and micrositing turbine layouts to optimize energy production and minimize construction costs
- Preparing the energy analysis report and cash flow statement of the project.(Reporting directly to General Manager)
- Supporting investment planning, financial analyses and feasibility studies
- Following bureaucratic process and conducting approval activities for licenced projects
- Following and monitoring of phases with related ministry and governmental institutions (for different countries and in Turkey for EPDK, TEİAŞ, MGM, TEDAŞ etc.)
- Investigating electricity markets for foreigner countries

Consultant

Freelance Meteorological Consultant (January,2016 – April,2018)

- Preparing required bureauracatic issues and conducting approval activities for 51 MW licenced wind energy power plant projects in İstanbul.

Project Engineer

Çıkrikçıođlu Holding-Liva Solar Energy / İstanbul (February,2016 – November,2016)

- Responsible for developing licenced and unlicenced wind and solar energy projects in Turkey
- Keep in close contact with both government and private sector Technical analyses of wind data
- Conduct wind resource assessment and site analyses, energy production assestment (including loss and uncertainty calculations)
- Determine wind and site charecteristics

- Forecasting wind speed and solar radiation
- Investigating electricity market
- Design and micro-siting turbine layouts to optimize energy production and minimize construction costs
- Financial analyses and feasibility studies
- Preparing the energy analysis report and cash flow statement of the project. (Reporting directly to General Manager)
- Approval activities (MGM, EPDK, DHMİ etc.) for licensed wind energy projects
- Project Management for 1 MW unlicensed solar project in Adana, Muğla, Denizli
- Participate in solar resource assessment
- Discovering and determining solar project field
- Preparing documents for all permits
- Investigating PV technologies, PV panel, inverters

Project Engineer

Ventus Energy Consulting-Investment Ltd. Şti. / Ankara (January, 2014 – February, 2016)

- Responsible for developing licensed and unlicensed wind and solar energy projects
- Following and monitoring of phases with related ministry and governmental institutions daily (EPDK, TEİŞ, MGM etc...)
- Discovering and determining wind project fields and location of measurement masts
- Supervise mast operations: collect and store data and control clear measurement data daily
- Proficient in wind analyses by CFD software (WindSIM, WASP, WindPro, Windographer, a little Metodyn, Global Mapper)
- Technical analyses of measurement mast data monthly via Windographer
- Modeling 3d wind flow over terrain by Windiim (CFD Analyses)
- Conduct wind resource assessment, energy potential analyses, energy efficiency and annual energy potential by WindSIM
- Forecasting wind speed and solar radiation
- Design and micro-siting turbine layouts to optimize energy production and minimize construction costs
- Following bureaucratic process for licensed projects
- Support investment planning
- Financial analyses of wind fields
- Preparing the energy analysis report and cash flow statement of the project. (Reporting directly to General Manager or clients that we are consulting about energy investment)

- Participate in management all wind project development stages, including site identification, land acquisition, interconnection, environmental studies, surveying close minig areas and environmental protection areas etc
- Participating in project development for licenced solar energy
- Discovering and determining solar project field and solar resource assestments
- Approval activities (MGM) for 3 licenced solar energy projects
- Investigating electricity market

EDUCATION

PhD

İstanbul Technical Universtiy

Atmospheric Science and Meteorology
(September,2020 - . Still)

Master's Degree

İstanbul Technical Universtiy

Atmospheric Science and Meteorology
(September,2017 - . July,2020)

Bachelor's Degree

İstanbul Technical Universtiy Meteorological
Engineering

(September,2008 - July, 2013)

Collage

Ankara Universtiy

Computer Technology and Programming
(September,2004 – Jun,2006 Graduated as second rank holder)

High School

Tuzla Technical High School

Computer Hardware
(September,1999 – June, 2003)

LANGUAGE SKILLS

Native Language

TURKISH

Foreign Language

ENGLISH

YÖKDİL : 82.5 (April, 2022)

YDS : 75 (April, 2022)

CERTIFICATES

January,2021

Theoretical Knowledge Instructor for ATPL (050) Meteorology

Having successfully fulfilled the requirements of Theoretical Knowledge Autorisation Instruction (SHT-TBÖ), is hereby gained autorisation to provide training in the lecture meteorology

April, 2016

Unlicensed Project Management / TEDAŞ

2 days training on developing unlicensed wind and solar project management for all process from developing to applying to TEDAŞ

January,2015

Licensed Wind Project Management / Chamber of Meteorological Engineers

2 days training on management of all procedures from developing wind farm to applying to EPDK, for licenced wind energy projects

February,2012

Modeling Wind Energy / İstanbul Technical University

Analysing of wind flow over terrain, calculating annual energy potential and wind turbine micrositing

ACADEMIC PUBLICATIONS

October, 2021

Analysing of atmospheric conditions and their effects on air quality in Istanbul using SODAR and CEILOMETER. Springer/ Environmental Science and Pollution
<https://doi.org/10.1007/s11356-021-16958-w>

PRESENTATIONS & CONFERENCES

July, 2021

Presenting academic research “Examination of The Microburst Incident in Istanbul, July 2017” at the Congress of the International and Technical Organisation for Gliding (OSTIV Congress, 2021)
<https://ostiv.org/congress/congress-events/congress-details/xxxv-congress-2.html>

ACADEMIC RESEARCH PROJECTS & AWARDS

January, 2018

The Scientific and Technological Research Council Of Turkey (TÜBİTAK) project:
Detection of atmospheric conditions in İstanbul by Doppler-Sodar and LidarCeilometer devices and investigation of their effects on air quality

September, 2012

Attending a competition name of “Vision Olympic Games” in Europe, organized by European Association of Universities in Marine (WEGEMT organization)
Taking 9th place with the project name of “Wind supplied Off-shore port”

INTERNSHIPS

2013

Energy Internship/ Inores Inovative Technology Energy

2012

Training on CFD (Computational Fluid Dynamic) Software WindSIM

2010

Hydrology Internship / State Hydrolic Works

2010

Meteorological Internship/Meteoloji Marmara Bölge Computer

2006

Science Internship / Arçelik A.Ş.

2005

Computer Science Internship / Siemens A.Ş.

COMPUTER SKILLS

- WindSIM
- WindPro
- Wasp
- Meteodyn
- WindoGrapher
- Global Mapper
- WRF
- R
- NCL
- Ferret, Grads
- Microsoft Office Programs

PERSONAL INTERESTS and HOBBIES

Drawing, **P**laying staretegic games, **R**eadng about science fiction, aviation, history, politic and conspiracy theories, **S**inging and listening to music, **P**lanting trees regularly, **T**ravelling, **C**ooking, **A**ttending volunteering organizations for the environment and helping people and chrisis management in urgent ituations, **P**articipating speaking and book clubs speaking and book clubs.

REFERENCES

To be delivered when required.
