

# Ümit Ünalı

## **Personal Data**

Date of Birth : January 1, 1962  
Place of Birth : Ankara, Turkey  
Nationality : Turkish  
Occupation : Electrical Engineer, Msc.  
Marital Status : Single  
Driving License : Class B  
Foreign Languages: English

## **Education**

1990 İstanbul Technical University, Electrical Engineering Department  
1979 Middle East Technical University, English Preparatory School

## **Taken Courses**

- ISO 9001:2015 Reporting for Quality Management Systems, DQS, 2018
- ISO 14001:2015 Environmental Management Systems, DQS, 2018
- ISO 45001:2018 Occupational Health and Safety Management Systems, DQS, 2018
- Explosion Protection Document Training, Urban Academy, 2015
- ISO 14001:2015 Environmental Management Systems, DQS, 2015
- ISO 9001:2015 Quality Management Systems, DQS, 2015
- Dangerous Substance Safety Training, Urban Academy, 2015
- SA 8000 Social Responsibility Standard Training, Moody Intertek, 2012
- GE France Health, Safety and Environmental Auditor Training for GE Suppliers, GE Dubai, 2012
- ISO 50001:2011 Lead Auditor Transmission Training Course, Moody Intertek Bulgaria, 2012
- ISO 9001:2008 Reminder Training, Moody Int., 2009
- OH&S 18001 Reminder Training, Moody Int., 2008
- EN 45012 General Requirements Training Course, Standart Certification, 2006
- ISO 14001:2004 Reminder Training, Moody Int., 2005
- ISO 27001:2005 Lead Auditor Transmission Training Course, Moody Int., 2005
- OH&S 18001:1999 Lead Auditor Transmission Training Course, Moody Int., 2004
- BS 7799 Lead Auditor Transmission Training Course, Moody Int., 2004
- ISO 9001:2000 Lead Auditor Transmission Training Course, Moody Int., 2001
- ISO 14001:1996 Lead Auditor Training Course, Aspect Int., 1997
- ISO 9001:1994 Lead Auditor Training Course, Neville Clarke, 1995
- Calibration Basic Training Course, TSE-Sojuztest Calibration Center, 1996
- Statistical Process Control, TSE, 1996
- Quality System Documentation Training Course , TSE, 1995

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- Internal Quality Audit Training Course, TSE, 1995
- ISO 9001:1994 Quality Assurance System Training Course, TSE, 1995
- AQAP-100 Series Auditor Training Course, MSB'lığı (Ministry of National Defence), 1992
- Intermediate English Course, Active English, 1993
- AQAP Series Auditor Training Course, MSB'lığı (Ministry of National Defence), 1992
- Quality Control of Electronic War Equipment, Ministry of National Defense 1991
- AQAP Quality Assurance Systems Course, Roketsan, 1991
- Quality Control Training Course, Aselsan, 1991
- Marketing Techniques, Gelişim Yayınları, 1984

## Experience

**1998 (May) – ... Kavram Consulting Engineering Services Ltd. Co.  
Company Founder - Manager**

### Management and performance of:

- Auditing
- Consulting
- ISO 14001 Lead tutor of Moody Int,
- ISO 14001 2nd Tutor of Aspect Int.
- Tutor of Environmental Legislation Training Programme for Moody Int
- Tutor of OH&S Legislation Training Programme for Moody Int
- OHS&S 18001 Lead tutor of Moody Int,
- OHS&S 18001 2nd tutor of Moody Int.
- Training activities (preparation course notes & working as trainer)
- Environmental/Safety Specialist
- Designing of ISOnet system which is the quality and environmental consultancy module with the usage of internet, first time in Turkey
- ISOnet Consultancy
- Designing of Process Management E-Learning Programme and Implementation
- VAN İşgem project for management systems

### Lead Auditor/Auditor of DQS since 2013 for

- ISO 9001
- ISO 14001
- OHSAS 18001 – ISO 45001
- ISO 50001

### Lead Auditor/Auditor of Moody between 2001 and 2013 for

- ISO 9001
- ISO 14001
- OHSAS 18001

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- ISO 27001
- Evaluation of compliance audits fo BP

## Lead Auditor/Auditor of Intertek between 2011 and 2013 for

- ISO 9001
- ISO 14001
- OHSAS 18001
- ISO 27001
- Evaluation of compliance audits fo BP
- ISO 50001

## Lead Auditor/Auditor EQA between 2004 - 2008 for

- ISO 9001
- ISO 14001
- OHSAS 18001

## Lead Auditor/Auditor TQS Between the years 2009 and 2010 for

- ISO 9001
- ISO 14001
- OHSAS 18001

## Lead Auditor/Auditor TÜVSÜD Between the years 2009 and 2010 for

- ISO 9001
- ISO 14001
- OHSAS 18001

## Environmental Auditing according to Turkish , EU legislation and contract

As an approved Environmental & Safety Auditor of Melen Water Transmission Project, at 6 months interval Giriş - ACK were audited and reported to technical commission composed by DSI, JAPAN & English partners. Weak points, non compliances with tech spec, EMP (Environmental Management Plan), good points and recommendations were determined in these audits.

Audit reports include information related to the follows;

- List of Sub-Contractors, Location and Scope of Activities
- Audit Status of The Sites (Construction site, lojman, 1 dumping site, parking area, fuel storage tanks and septic tanks - Dynamite storage - (17-18 km) Pipeline fitting activities, ditch digging etc.)
- Documentation of Sites (For example; Site No: AA2 - Site Explanation: Receipt Decleration of the site signed by Ministry of Forestry and DSI was observed.)
- Site Setting
- Sensitive Receptors (Residential Dwellings, Mosques, Recreation areas)
- General information about EMP (Environmental Management Plan)

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- Public Liaison and Complaints (Recommendation: Regular meetings should be held with local communities once every three months in accordance with EMP. Non compliances: No records is observed as to the existence of any meeting held with women or minorities.)
- Training (Good Point: It was reviewed the minute that training about Worker Healthy and Occupational Safety had been given personnel at 17/04/2003.)
- Permits and Enforcement (Explosive material handling, conducting explosions permit)
- Monitoring (noise measures, dust measures, vibration of explosions etc.)
- General Housekeeping (Good point: the work site was surrounded by a fence of wire. Non compliances: solid wastes has not been segregated and covered bins has not been provided for subcontractors.)
- Dust and Air Pollution (Good point: No spots of mud of site trucks were observed on the roads. recommendation: Maintenance activities should be planned and followed for reducing breakdown.)
- Noise and Vibration (Weak point: It was observed that vibration of explosions was measured through XXX firm. But, records of related firm were not showing the values measured.)
- Nature and Wildlife Protection (Good point: No evidence of illegal hunting by site staff has been observed during the site audit.)
- Traffic Management and Access (Weak point: During the audit, it was observed that trucks using the road failed to keep their lights on. One truck in ZZZ site was observed to break speed limits. The Environmental Manager warned the sub-contractor about the same.)
- Chemicals an Materials Handling and Storage (Site plans for chemicals and explosives.)
- Waste Management (Waste storage areas for hazardous wastes and solid wastes, wastewater)
- Water Resources (Good point: Domestic wastewater is collected at septic tanks)
- Slope Protection and Erosion Prevention and Control
- Soil Management (Good point: Amounts of soil from plants that was stored was seen and photographed in Appendix)
- Spoil Disposal Sites and Additional/Contractor Sites
- Contaminated Land
- Archaeology / Heritage (Good point: Employees are aware that archaeological sites may be present.)
- Operational Health and Safety (For example; Cautionary signs, Safety equipment – personnel protective equipment)
- Interviewed Personel During Audit (name and responsibility)

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## Sector Of Companies Consulted For CE

- Electronic
  - Product : 1.Metal Detector  
2. UPS Uninterrupted Power Supply
  - Directive : EMC – Electro Magnetic Compatibility  
LVD – Low Voltage Directive
- Mechanic
  - Product : 1.Packaging Machine (For Three Type)
  - Directive : MD – Machine Directive  
LVD – Low Voltage Directive

## Sector Of Companies Consulted For ISO 9001/9002/9001:2000/9001:2008/ ISO 14001, OH&S 18001 – ISO 45001, ISO 16001 – ISO 50001

- Construction
- Iron and Steel Production
- Radiator Production
- Plastics Packaging
- Zipper
- Fishing
- Plastic Raw Materials
- Textile Chemicals
- Telecommunication
- Coating
- Illumination Systems
- Candy & Gum Production
- Catering
- Shipyard
- Industrial Kitchens
- Consulting Services
- Dye Production
- Medical
- Chemical Production
- Gasket Production
- Paper & Pulp
- Textile
- Contracting
- Software
- Engineering
- Leather Production
- Training Services

## *Consultation activities for above companies:*

1. Visiting the company to specify the needs for quality, to understand processes
2. Planning the consultation project
3. Implementation of Process Management Training Programme
4. Implementation of ISO 9001 Training Programme
5. Visiting the site to analyze processes (including sales, design, purchasing, production, storage etc.)
6. Specifying for rules needed for environmental management
7. Specifying for rules needed for occupational health and safety
8. Defining the documentation needs for quality system processes

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9. Preparation of documents
  10. Implementation of Internal Auditing Training Program
  11. Control of document implementation
  12. Internal Auditing
  13. Implementation of Quality Awareness Training Programme for staff
  14. Auditing before certification and reporting
  15. Last check for corrective actions reported.
- **Iron and Steel - Gas production** (Coke gas – Blast furnace gas – Convertor gas)
    - Coke making in coke batteries;
    - Production of coke gas;
    - Using of coke as fuel;
    - Crude steelmaking in blast furnace;
    - Production of blast furnace gas;
    - Using of blast furnace as fuel;
    - Production of convertor gas;
    - Special steel making process;
    - Continuous casting process for billet production;
    - Billet heat-treatment process;
    - Hot rolling process for final products;
    - Oxygen production process;
    - Sales process of oxygen etc.
  - **Waste management**
    - Collecting wastes;
    - Waste transportation;
    - Storing wastes;
    - Landfill gas production;
    - Transporting landfill gas to energy plant;
    - Producing electricity and sales processes
    - Sample products & byproducts: Waste management services; Compost; Landfill gas; Electricity etc
    - Sample characteristics: %40-60 methane, mostly carbon dioxide for landfill gas; Also, VOCs <1% for landfill gas. (VOC-Volatile Organic Compounds)
  - **Construction**
    - Hazard identification, risk assessment and determining controls and follow up related to construction projecting, excavation, rough construction – concreting – masonry with material such as brick, granite and concrete block – Installation of

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- doors and windows, painting work, and other production works such as electrical and mechanical
- Identification of energy aspects
  - Solid waste management including hazardous wastes, packaging wastes and waste areas and containers
  - Wastewater management including package treatment plants
  - Dust and noisy control
  - Emission – imission control
  - Energy consumption
  - Energy management procedures (illumination, heating, cooling, isolation)
  - Energy procurement criteria
  - Transportation, storage and usage of chemical materials
  - Choose, delivery, usage and control of personnel protective equipment (ppe)
  - General OH&S instructions related to electrical works, welding works, working at heights, working in confined space, lock out tag out activities, working with hand tools such as pliers and screwdriver and working with power tools such as drilling and cutting etc.
  - Speed limits for forklift and other work machines and traffic line for vehicle
  - Emergency status management including emergency practices
  - Determining OH&S signs – Warning signs and determining of locations of placement
  - Maintenance and control of machine and equipment including from fire extinguishers to steel wire rope sling or from cranes to etc.
  - All permits and certificates related to legal and other requirements
  - Management of resources such as fuel oil, natural gas, electrical, water)
  - Defining the documentation needs for OH&S and environmental system processes
  - Preparation of documents and control of document implementation
  - Internal Auditing
  - Implementation of OH&S and Environmental, Including Energy Awareness Training Program for staff
  - Auditing before certification and reporting
  - Las check for corrective actions reported.
- TV Production (electronic equipment wastes, radiation, wastewater, plastic wastes, metal wastes, noisy, emission, imission, usage of chemical material, usage of personnel protective equipment (ppe), speed limits for forklift, traffic line for vehicle, .....)
  - Monitor Production (electronic equipment wastes, radiation, fire, explosion etc.)
  - Accumulator Production (consumption water and electric, wet floor, usage of acid, lead dust in working area, ..... etc)
  - Cement Production (consumption water and electric, dust, waste oil .... Etc.)

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- Textile Chemicals (consumption water, wet floor, fire, explosion, wastewater, dust, plastic wastes, consumption of hazardous chemical, usage of personnel protective equipment (ppe), etc),
- Paper & Pulp (water consumption, fire, storage of roll paper, electric consumption, forklift traffic, dust, noisy, .... etc)
- Craft Packaging (paper consumption, dust, usage of chemical material, dye consumption, packaging wastes, electric consumption, forklift traffic, noisy, .... etc)
- Candies & gum (consumption of aroma material, water consumption, dust, noisy, packaging wastes, wastewater, electric consumption, fire, explosion, hot surface, ....etc)
- Home Textile Products (water consumption, fire, explosion, electric consumption, wet floor, imission, noisy, .... etc)
- Automotive Industry (noisy, metal wastes, plastic wastes, usage of chemical materials, sharp equipment, fire, explosion, emission, electric consumption, waste oil, ... etc)



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*Consultation activities for above companies:*

- 1) Environmental policy was established according to ISO 14001 and OHSAS 18001
- 2) Hazard identification and risk assessment procedures were established. Both environmental aspects and OH&Safety risks were defined and classified based on the importance of the risks.
- 3) Environmental Legislation and OH&S legislation were investigated to specify company's requirements. Procedure was established to identify accessing and the responsibility distribution of legal requirements.
  - i. Main Environmental legislation is explained below. (including energy regulations)
    - Environmental Law
    - Regulation for Waste Management
    - Regulation for Water Pollution Prevention
    - Regulation for Protection of Air Quality
    - Regulation for Industrial Air Pollution Control
    - Regulation for Heating Originated Air Pollution Control
    - Regulation for Solid Waste Control
    - Regulation for Hazardous Waste Control
    - Regulation for Packaging Material and Waste Control
    - Regulation for Battery and Accumulator Control
    - Regulation for Waste Oil Control
    - Regulation for Soil Pollution Control
    - Regulation for Hazardous Chemical Control
    - Regulation for Hazardous Material Transportation
    - Regulation for Noise Control (by ministry of environment)
    - Regulation for Environmental Impact Analysis
    - Regulation for Clinical Waste Control
    - Regulation for Environmental Auditing
    - Regulation for Radioactive Waste Control
    - Regulation for Radiation Safety
    - Regulation for Decreasing Ozone Depleting Substances
    - Regulation for Non Healthy Organizations
    - Energy Efficiency Law
    - General Lighting Regulation
    - Regulation on Improving Energy Efficiency and Efficiency of the Use of Energy Resources
    - Regulation on Environmental Sensitive Design of Energy-Related Products

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- EMRA (Energy Market Regulatory Authority) Legislation – Especially Naturalgas Marketing and Electrical Marketing
  - Regulation on Energy Performance in Buildings
- ii. Main Occupational Health and Safety legislation is explained below.
- Working Act
  - Occupational Health and Safety Regulation
  - Safety and Health Signs Regulation
  - OH&S Risk Groups Communique
  - Heavy and Hazardous Works Regulation
  - Workplace Health Units and Doctors
  - Working Rules Regulation
  - OH&S Engineers and Technical Staff Regulation
  - OH&S Commission Regulation
  - Usage of PPE at Work Sites Regulation
  - Regulation for Health and Safety Rules for Chemical Usage
  - Regulation for Health and Safety Rules for Carcinogenic and Mutagen Chemical Usage
  - Regulation for Health and Safety Rules for Explosive Areas
  - Regulation for Health and Safety Rules for Asbestos Usage
  - Regulation for Noise
  - Regulation for Vibration
  - Vehicles with monitors
  - Regulation for Fire Protection and Fire
  - Regulation for First Aid
  - Regulation for Handling
  - Regulation for Machine Guarding
  - Regulation for Health And Safety Rules For Monitor Equipped Vehicles
  - Regulation for OH&S Training of Employee
- 4) For classified risks and environmental aspects, targets were set according to importance.
- 5) Programs were established to achieve targets.
- 6) Documented Procedures related to Implementation and Operation: Waste Water Management, Emission and Imission Control, Occupational Health & Safety Commission, Energy Management, Solid Waste and Hazardous Waste Management, Chemical handling, storage and transporting, Maintenance of mechanical and electrical equipment, Noise Control, General Management Activities (food preparation, green-botanic maintenance, etc.), Statistical Techniques.

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- 7) Organization structure was and responsibilities were documented prepared according to both of the standards.
- 8) Following trainings were planned and implemented: ISO 14001 course, Risk Assessment and Control, Environmental Aspects, Turkish Environmental Legislation, Turkish OH&S Legislation, Emergency Preparedness (Fire, Earthquake, explosion etc.), Incidents and injuries - Procedure about planning of the training activities was established.
- 9) Communication procedure was established including communication incase of accident or incidents, and daily activities.
- 10) Document Control procedure was established.
- 11) Procedure for emergency identification and classification was established in connection with 4.3.1. Chain actions were taken into account such as fire and injury after explosion.
- 12) Procedure related to accidents, incidents, non-conformances and corrective and preventive action was established.
- 13) Procedure related to records and records management was established.
- 14) Procedure related to EMS - OH&S Audit was established.
- 15) Procedure related to management review was established.
- 16) Executing pre-audits

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## Subjects of Performed Training Programs

- *Tutor of Moody Int, for ISO 14001, OH&S 18001, Turkish Environmental Legislation, Turkish Occupational Health & Safety Legislation, ISO 14001 & OH&S 18001 Internal Auditor Training Programmes, 8D*
- *Tutor of Mess (Metal Employer Confederation) for ISO 14001, ISO 9001, OH&S 18001, QS 9000, ISO –TS 16949, IATF 16949, MSA-Measurement System Analysis, SPC-Statistical Process Control, DFMEA-Design Failure Mode Effect Analysis, PFMEA-Process Failure Mode Effect Analysis, ISO 9001 & ISO 14001 Internal Auditor Training Programmes, Procurement Management, Sub-contractor Management, Customer Satisfaction, Process Management, Awareness Increasing training Programmes for Employee.*
- *Tutor of CMO (Chamber of Environmental Engineers) ISO 14001,*
- *Tutor of KOSGEB for ISO 14001, Procurement Management, Sub-contractor Management, Customer Satisfaction,*
  
- *Tutor of Kavram consulting company for some subjects below*
  - ISO 9001 Quality Management System
  - ISO 9001 Quality Auditing
  - ISO 9001 Documentation
  - QS 9000
  - ISO/TS 16949 – IATF 16949
  - Procurement Management
  - Subcontractor Evaluation
  - Lean Management
  - Process Management
  - Project Management
  - Customer Satisfaction
  - Statistical Process Control
  - Total Productive Maintenance
  - Productivity Improvement Techniques
  - Strategical Planning
  - ISO 14001 Environmental Management System
  - ISO 14001 EMS Auditing
  - Turkish Environmental Legislation
  - ISO 50001 Energy Management System
  - Turkish Energy Legislation
  - OHSAS 18001 Occupational Health and Safety System
  - Turkish Health and Safety Legislation

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- Risk Assessment
- Problem Solving and Quality Improvement

*Over 50 inhouse training programmes has been executed for Quality*

*Over 25 inhouse training programmes has been executed for Environmental Management Systems*

*Over 25 inhouse training programmes has been executed for Occupational Health and Safety*

*Some Firms (Consultations & Trainings for ISO 9001 – ISO 14001 – OHSAS 18001)*

**Note:** All consultings about 14001 includes waste management (EAC 39) processes.  
*(Establishment of waste management procedures – hazardous and solid wastes, establishment of action plans related to waste sites in accordance with the laws and follow - up, instructions about waste water analysis including sampling, instructions about chimney gas analysis etc.*

Company	Scope	EAC	Standart-Subject	Duration (man day)
· VESTEL ELEKTRONİK	Electronic	19	14001 Including energy and its cost	50
· KARDEMİR,	Iron and Steel Gas production – Coke gas – Blast furnace gas – Convertor gas	17 26	9001 14001 18001 Including energy and its cost	270
HABAŞ ÇELİK	Iron and Steel Gas production - Convertor gas and production of oxygen etc.	17 26	9001 14001 18001 Including energy and its cost	30
İÇDAÇ STEEL and ELECTRIC ENERGY	Energy Gas production - Convertor gas and production of oxygen etc.	25 26	9001 14001 18001 Including energy and its cost	250
İSTAÇ	Waste Management Gas production - Landfill gas	26	9001 14001 18001 Including energy and its cost	200
KENT GIDA	Food Processing	3	14001-18001 Including energy and its cost	70
ALTIN MARKA	Food Processing	3	14001	60

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YİĞİT GIDA	Catering	3	9001	50
EREN GIDA	Catering	3	9001	50
DUMANKAYA	Construction	28	9001 Including energy and its cost	50
TORGEM	Shipyards		AQAP & 9001	40
SEDEF GEMİ	Shipyards		9001	20
DUMANKAYA	Construction	28	14001	50
DUMANKAYA	Construction	28	18001	50
· EGE ÇELİK	Iron and Steel	17	9001 Including energy and its cost	15
· MUTLU AKÜ	Accumulator	19	9001	40
· MUTLU AKÜ	Accumulator	19	14001 Including energy and its cost	30
· SETAŞ KİMYA	Textile Chemicals	12	9001	45
· SETAŞ KİMYA	Textile Chemicals	12	14001 Including energy and its cost	45
· ALCE	Electric Machine	19	9001	40
· ALCE	Electric Machine	19	14001 Including energy and its cost	40
· ALCE	Electric Machine	19	18001	40
· KORTEKS	Home Textile	4	9001	30
· KORTEKS	Home Textile	4	14001 Including energy and its cost	45
· KORTEKS	Home Textile	4	18001	45
ERNES TRİKO	Textile	4	9001	60
· TEKNO POLİMER	Plastic Raw Material	12	9001	35
· TEKNO POLİMER	Plastic Raw Material	12	14001 Including energy and its cost	40
· TEKNO POLİMER	Plastic Raw Material	12	18001	40
· KEMİTEKS	Textile Chemicals	12	9001	32

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· CAN TEKSTİL	Textile	4	9001	30
· CAN TEKSTİL	Textile	4	14001 Including energy and its cost	25
· CAN TEKSTİL	Textile	4	18001	30
· ÖNCÜ TEKSTİL	Textile	4	9001	15
· İDAŞ	Textile	4	9001	4
· ASSAN HANİL	Automotive	22	14001 Including energy and its cost	26
· ASSAN HANİL	Automotive	22	18001	26
· ASSAN HANİL	Automotive	22	9001	26
· KAYALAR	Industrial Kitchens	17	9001 Including energy and its cost	29
· ÖZTİRYAKİLER	Industrial Kitchens	17	9001 Including energy and its cost	6
· ELİF KAPLAMA	Plating / Coating	17	9001	24
· EKS ELEKTRİK	Electric Panels and Installation	19	9001	20
· EMR FERMUAR	Zipper	4	9001	19
· DOĞUŞ FERMUAR	Zipper	4	9001	6
· AKSA AKRİLİK	Textile Chemicals	12	14001 Including energy and its cost	20
· YKK FERMUAR	Zipper	4	9001	4
· BİLKONT TEKSTİL	Textile	4	9001	2
· İPEK MUFLON	Textile	4	9001	25
· AKER TEKSTİL	Textile	4	9001	23
· HEMA ENDÜSTRİ	Automotive	22	14001	40
· HEMA ENDÜSTRİ	Automotive	22	18001	50
· HEMA ENDÜSTRİ	Automotive	22	9001 – QS 9000 – ISO TS 16949	120
· CHRYSLER	Automotive	22	9001	17
· ASFEN	Automotive	17	9001	35

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· ASFEN	Automotive	17	14001 Including energy and its cost	35
· ASFEN	Automotive	17	18001	35
· PRESSAN	Automotive	17	9001	2
· ALKO MAKİNE	Automotive	17	9001	10
· KORKMAZ OTOMOTİV	Automotive	17	9001	12
· TOZ METAL	Automotive	17	900 Including energy and its cost 1	2
· AKKARDANSA	Automotive	22	9001	2
· MERCEDES – İSE OTOMOTİV	Automotive	22	9001	2
· MERCEDES	Aksaray	22	9001	2
· ANADOLU ENDÜSTRİYEL	Electric Motors	19	9001	4
· ANADOLU ENDÜSTRİYEL	Electric Motors	19	14001 Including energy and its cost	4
· ANADOLU ENDÜSTRİYEL	Electric Motors	19	18001	4
· ANADOLU ISUZU	Automotive	22	9001	4
· GÖLCÜK DENİZ SUBAY ORDUEVİ MÜDÜRLÜĞÜ	Officer's Club	39	9001	15
· GÖLCÜK DENİZ SUBAY ORDUEVİ MÜDÜRLÜĞÜ	Officer's Club	39	14001 Including energy and its cost	10
· GÖLCÜK DENİZ SUBAY ORDUEVİ MÜDÜRLÜĞÜ	Officer's Club	39	18001	10
· KİBAR HOLDİNG	Aluminium	17	9001	20
· KİBAR HOLDİNG	Aluminium	17	14001 Including energy and its cost	35
· KİBAR HOLDİNG	Aluminium	17	18001	25
· DESKİM KİMYA	Chemical	12	9001	25
· ASBOYA	Dye Production	12	18001	45
· MAKRO ELEKTRONİK	Electronic	19	9001	15
· DİLER	Steel & Iron Industry	17	9001	4
· BOSCH	Mecanical	19	9001- İstatistiksel Proses Kontrol	2



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For MESS	Different sectors (including general participation trainings)	Including QS 9000 and ISO TS 16949 and IATF 16949 Energy Management	-
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## **1995 (January) – 1998 (May) Turkish Standards Institution**

### **Product Certification**

- for 22 company products TSE and TSEK certification

### **Quality and Environmental Lead Auditor**

- Organization of training courses
- ISO 9001/9002 :1994 Quality Assurance System Auditing of over 70 companies
- First 16 company of TSI has been audited according to ISO 14001 Environmental Management System

### **Quality and Environmental Tutor**

- Over 30 times training programs performed about ISO 9001, Internal Auditing and Quality Documentation
- Preparation of ISO 14001 training notes of TSE
- Over 30 times training programs performed about ISO 14001, Internal Environmental Auditing and Turkish Environmental Legislation including TSE personnel training programs
- 2nd tutor for ISO 14001 of Aspect Int.

## **1991 (August) – 1995 (January) Ministry of National Defense**

### **Quality Auditor**

- Over 30 times auditing performed about AQAP Quality Assurance System (For example; Aselsan, Esdaş, Machinery Chemical Industry factories, Camiş Machinery Mold, Roketsan, Aydın Software, Kayseri Military Air Plane Maintenance Factory etc.)

### **Quality Control**

- Carrying out of activities of quality control related to electrical and electronic equipment (For example; trunk wireless, Milkar electronic war equipment, night vision systems (Firm are Transtürk), thermal camera systems (Firm name is Aselsan), gun, weapon (Machinery Chemical Industry factories), generator (Firms are Aksa, İşbir), power supply (Firm is Eka)

### **Other activities;**

- Participate preparation and certification studies for AQAP 100 series
- Procurement of computer systems, electric-electronic equipments, power supply, and especially electronic war equipments
- Bid evaluation and technical acceptance
- Work at Cripto Projects with authorization of Clearance Certificate
- Work as Government Quality Assurance Representative at the companies Coşkunöz and Esdaş, that produce the parts of Stinger Missile In Turkey

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## **1990 (June) – 1991 (August) Üstünçelik – Iron and Steel Factory**

### **As Site Manager,**

- Design and implementation of improvement projects of electrical installations and construction works of infrastructure at the construction phase of the factory
- Design and implementation of control panels at the construction phase of the factory
- Maintenance of electrical and electronic equipment
- Control and observe of appropriate to Electrical Installation Regulation and Ground Regulation
- Waste management of the site in accordance with regulation
- Provide for compliance with Rules and Regulations of Employee Health and Occupational Safety for construction site
- Control and observe of usage of preventive equipment

During ÇEPA Iron and Steel Factory

## **1988 (January) – 1990 (June) Üçel Engineering Co. Ltd.**

### **As Construction & Electric Technician,**

- Design and implementation of building construction and electrical works. (İKİTELLİ Industry Area and Flats of Nuclear Powerhouse of AMBARLI)
- Control and observation of appropriate to Electrical Installation Regulation
- Control and observation of appropriate to Ground Regulation
- Waste management of the site in accordance with regulation
- Provide for compliance with Rules and Regulations of Employee Health and Occupational Safety for construction site
- Control and observation of usage of preventive equipment

### **Social Activities**

Member of United Chambers of Turkish Electrical Engineers

### **Computer Usage**

- Microsoft Office Programmes (Word, Excel, Powerpoint etc)
- Minitab