



Levent TOSUN

Fields of interest: mechanical and electrical installations, sustainable environmental technologies, design and project management,

CURRICULUM VITAE

As of June 2020

Education

- 1974 Master of Science in Mechanical Engineering
Department of Mechanical Engineering,
University of Manchester Institute of Science and Technology UMIST, Manchester, UK
- 1970 Bachelor of Science in Mechanical Engineering
Department of Mechanical Engineering,
Middle East Technical University METU, Ankara, Turkey

Professional Background / Employment

1981 - 2020

BİLGE Engineering and Consulting Co Ltd; founder and partner

1989 - Present

KHM (Center of Municipal Services) Kent Project & Consulting Services Co. Ltd;
founder and partner

2005 - Present

EBİ (Electronics Computer Construction) Co. Inc.(Company of METU Foundation);
Member of Executive Board, partner

2005 - Present

Radyo ODTÜ Co. Inc.; Member of Executive Board, partner

May 1989 - September 1990

adviser to the Mayor, Municipality of Greater City of Istanbul

May 1989 - September 1990

member of the Board, SUSER Water Services Co.Inc., Istanbul

May 1989 - September 1990
member of the Board, IGDAŞ Natural Gas Distribution Co.Inc., Istanbul

November 1980 - December 1981
adviser to the Mayor, Municipality of Ankara

June 1978 – November 1980
General Director, General Directorate of Ankara Water Works

September 1977 – June 1978
Design engineer, Kırıkkale Petroleum Refinery, TPAO Turkish Petroleum Co.Inc., Ankara

December 1970- September 1977
Technical Civil Servant, Ministry of Industry and Technology, Ankara

Teaching Experience – Undergraduate

Fall 1995- Present
ARCH 381 Environmental and Building Systems
(with Ethem Özbakır) Middle East Technical University METU, Faculty of Architecture, Ankara

Spring 1996- Present
ARCH 382 Environmental Control Technologies (with Ethem Özbakır, Funda Ataylar, Arzu Sorguç)
Middle East Technical University METU, Faculty of Architecture, Ankara

Spring 1995- Fall 2006
IAED 342 Building Performance
(with Ethem Özbakır) Bilkent University, Faculty of Fine Arts and Design, Ankara

Fall 1999- Spring 2005
M 431 Yapı Donatımı (Building Services)
(with Ethem Özbakır) Gazi University, Faculty of Architecture, Ankara

Fall 2002- Spring 2015
INAR 309 + 310 Mechanical Equipment 1 + 2
(with Ethem Özbakır) Çankaya University, Faculty of Interior Architecture, Ankara

Spring 2008
IMB 314 Physical Environmental Control (Fiziksel Çevre Kontrolü)
(with Ethem Özbakır) Başkent University, Faculty of Fine Arts and Design, Ankara

Thesis Co-Supervised

Gülşen DİŞLİ; title of thesis “*An investigation on the water supply and drainage systems of historical Turkish baths*”; together with Supervisor Ayşe Tavukçuoğlu: co-supervisor **Levent Tosun**; Graduate Program in Building Science, Department of Architecture, METU; September 2008.

International Editorial Works — Books

International Publications – Refereed Journal Papers

International Publications – Refereed Proceedings

Disli, G., Tavukcuoglu, A., **Tosun, L.**, Grinzato, E. (2008). The assessment of roof drainage system of a historical Turkish bath: Sengul Hammam. In: *11 DBMC International conference on Durability of Building Materials and Components*, 11-14 May 2008, İstanbul, Turkey, Vol 3. (pp. 1287-1297). İstanbul, Turkey: İstanbul Technical University Press.

Disli, G., Tavukcuoglu, A., **Tosun, L.** (2008). An investigation on water consumption and waste water discharge systems for historical Turkish baths. In: *8th International HVaC-R Technology Symposium*, 12-14 May, 2008, Istanbul, Turkey (pp. 556-565). Turkish Society of HVAC & Sanitary Engineers.

Disli, G., Tavukcuoglu, A., **Tosun, L.**, Grinzato, E., Caner-Saltik, E.N. (2007). Rainwater drainage system investigation of an historical hammam by using non-destructive methods. In, F. Zezza, V. Perthuisot, A. Plancon (Eds), *Water and Cultural Heritage, Proceedings of 7th International Symposium on Conservation of Monuments in the Mediterranean Basin*, June 6-9, 2007, Orleans, France (pp. 153-165). France: IGCM.

Disli, G., Tavukcuoglu, A., **Tosun, L.**, Grinzato, E. (2007). Assessment of water supply and drainage systems for an historical hammam by using non-destructive methods. In, Books of Paper - CIB W062 2007 *33rd International Symposium on Water Supply and Drainage for Buildings*, September 19-21, 2007, Brno, Czech Republic (pp. 281-294). Brno, Czech Republic: Brno University of Technology. URL: <http://www.irbnet.de/daten/iconda/CIB6859.pdf>

National Publications - Refereed Proceedings

With project coordinator Ayşe Tavukçuoğlu, researchers E.N. Caner-Saltık, **L. Tosun**, M. Sayın; “Yapılarda/Sahada yapılan kızıl ötesi ısı görüntüleme (IRT) çalışmaları için nicel analiz yöntemlerinin geliştirilmesi – Development of quantitative analysis methods for the in-situ infrared thermography studies”; funded by METU Research Grant No. BAP-02-02-2016-002; begun 01.01.2016; completed 17.02.2017.

With Project coordinator Ayşe Tavukçuoğlu; researchers **L. Tosun**, E.N. Caner-Saltık, M. Çalışkan, P. Çiçek, G. Dişli, A. Aydın, A. Güney; in project titled “A research on the original technological properties of historical Turkish baths”; funded by METU Research Grant No. BAP-2008.02.01.02; begun 01, 2008; completed 06, 2009.

With Project coordinator Ayşe Tavukçuoğlu; researchers **L. Tosun**, E. Caner-Saltık, G. Disli; in project titled “An investigation on the water supply and drainage systems of Turkish baths by non-destructive testing methods”; funded by METU Research Grant No. BAP-2007.02.01.01; begun 01, 2007; completed 12, 2007.

National Publications – Journals and Magazines (with Editorial Board)

National and International Conference Presentations, Symposiums, Public Seminars

Dişli, G., Tavukçuoğlu, A., **Tosun, L.** (2009). Ankara Şengül Hamamı'ndaki çatı akaçlama düzeneğinin tahribatsız yöntemlerle incelenmesi. In: H.Dönmez and A. Özme (editors), 30. Uluslararası Kazı, Araştırma ve Arkeometri Sempozyumu - 24. Arkeometri Sonuçları Toplantısı, Ankara, Turkey, May 26-30, 2008 (pp.279-298). T.C. Kültür ve Turizm Bakanlığı Yayınları Yayın No: 3173, Kültür Varlıkları ve Müzeler Genel Müdürlüğü Yayın No:132. Ankara: İsmail Aygül Ofset Matbaacılık.

Refereeing – Journals, Conferences and Academic Competitions

Organizations — Conferences, Seminars, Exhibitions and Workshops

Some of the Projects

Jan 2019 - Mar 2020

Developing an Institutional Model for Children Staying with Their Mothers (Ministry of Justice)
Turkey; Diyarbakır, Diyarbakır prison / EVOLUXER Senior Non Key Expert - Mechanical Engineer
Activities Performed: Preparation of projects, BoQ's and tender documents in fields such as; heating, cooling, insulation, gas, firefighting, sanitary engineering. Produce comprehensive review reports. Support the Beneficiary during meetings. Develop and deliver mini workshops for transfer of skill and experience.

Dec 2018 - Jan 2019

Technical Assistance for Supporting Public Institutions for Tendering Preparations; Restoration of Sinop Historical Prison

Turkey; Sinop, Sinop prison / EVOLUXER Senior Non Key Expert - Mechanical Engineer
Activities Performed: Review the relevance, quality, consistency, accuracy and the adequacy of the technical specifications prepared by project owners, in fields such as; heating, cooling, insulation, gas, firefighting, sanitary engineering. Validate technical drawings and review bills of quantity. Produce comprehensive review reports. Support the Beneficiary during meetings. Develop and deliver mini workshops for transfer of skill and experience.

2017 - Aug 2018

Construction Works for Common Cultural Heritage; Preservation and Dialogue Between Turkey and The EU – Phase II (Greater Municipality of Gaziantep)

Turkey; Gaziantep, Kendirli Church / EVOLUXER Non Key Expert - Mechanical Engineer

Activities Performed: Review the relevance, quality, consistency and accuracy of architectural design of projects in fields such as; heating, cooling, insulation, gas, firefighting, sanitary engineering. Check the adequacy of the technical specifications prepared by project owners. Validate technical drawings and review bills of quantity. Produce comprehensive review reports. Support the Beneficiary during meetings. Develop and deliver mini workshops for transfer of skill and experience.

March 2016– Dec 2017

Technical Assistance for Further Support to RCP-CID in its Operations (Ministry of Science, Industry and Technology)

Turkey; Gebze, Adiyaman, Malatya, Sinop, Giresun, Kars, Şanlıurfa, Erzurum, Kastamonu, Tokat

ESEP Junior Non Key Expert - Mechanical Engineer

Activities Performed: Review the relevance, quality, consistency and accuracy of architectural design of projects in fields such as; heating, cooling, insulation, gas, firefighting, sanitary engineering. Check the adequacy of the technical specifications prepared by project owners. Validate technical drawings and review bills of quantity. Produce comprehensive review reports. Support the Beneficiary during meetings. Develop and deliver mini workshops for transfer of skill and experience.

2003

Modernization of ISKUR Offices (The Turkish Employment Organization)

Turkey; Ankara, Antalya, Kayseri / BILGE Senior Mechanical Engineer, Project Manager

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary and gas installations, designing, controlling mechanical and piping drawings, preparation of technical specifications and BoQ under EU+CFCU procedures.

2002

Baku-Tbilisi-Ceyhan Crude Oil Pipeline Project Buildings

Turkey / BILGE - ILF Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary and gas installations, designing, controlling mechanical and piping drawings, preparation of technical specifications under BP procedures

2000

Housing of Marmara Earthquake

Turkey; Adapazarı / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary and gas installations, designing, controlling mechanical and piping drawings, preparation of technical specifications and BoQ under World Bank procedures.

2002

Guesthouse, Dormitory, Cafeteria and Education Buildings of North Cyprus campus of Middle East Technical University

North Cyprus; Güzelyurt, Kalkanlı / BILGE Senior Mechanical Engineer, Project Manager

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications and BoQ

1999

Restaurant and Workshop Buildings of Mercedes Benz Turkey Co

Turkey; Aksaray / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

2002

Control Tower and Flight Operation Building

Albania; Kuçove / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

2005

Swimming Pool

Iraq; Erbil / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

1998-2002

Housing of Adana and Bingol Earthquakes

Turkey; Adana Bingol / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary and gas installations, designing, controlling mechanical and piping drawings, preparation of technical specifications and BoQ under World Bank procedures.

2006

Izmir Adnan Menderes Airport International Passenger Terminal

Turkey; Izmir / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary and gas installations, designing, preparing technical specifications. consultancy during construction

2006

Headquarters of CHP Republican Peoples Party

Turkey; Ankara / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, thermal insulation, sanitary, fire fighting and gas installations, designing, controlling mechanical and piping drawings, preparation of technical specifications and BoQ consultancy during construction

2009

Batman Waste Water Treatment Plant

Turkey; Batman / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

2007

Altınova, Kızkalesi, Küçükköy, Derinkuyu Waste Water Treatment Plants

Turkey; Altınova, Kızkalesi, Küçükköy, Derinkuyu / BILGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

2006

Karaman, Suluova Waste Water Treatment Plants

Turkey; Karaman, Suluova / BİLGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

2011

MKEK Emulsion Explosive Factory

Turkey; Ankara, Elmadağ / Centre of Municipal Services (KHM) Project Coordinator

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications,

Coordination of whole project; architectural, civil engineering, geological survey, electrical installation, waste water, water supply, industrial waste water systems

University of Duhok, Conference Center

Iraq; Duhok / BİLGE Senior Mechanical Engineer

Activities Performed: Building Services; Heating, cooling, sanitary installations, designing, controlling mechanical and piping drawings, preparation of technical specifications

Sulemani University

Iraq; Sulemani / BİLGE Senior Mechanical Engineer

Activities Performed: Preliminary design Sewage, Water Supply, Road infrastructure projects

Middle East Technical University North Cyprus Campus

North Cyprus; Güzelyurt, Kalkanlı EBI Member of Board

Activities Performed: consultancy during construction

Waste Water Treatment Plant of Bafra Tourism Region

North Cyprus; Mağusa, Bafra / EBI Member of Board

Activities Performed: consultancy during construction