

**CURRICULUM VITAE**

<b>1. Proposed Position</b>	Chief Design Engineer / Company Manager
<b>2. Name of Firm</b>	<b>Kilittaş Eng. Cons. Co.</b>
<b>3. Name of Staff</b>	Ersöz Erdoğan
<b>4. Date of birth</b>	July 31, 1972 <b>Nationality:</b> Turkish

**5. Education:**

Middle East Technical University Ankara / Turkey 1991 – 1996  
B.Sc. in Civil Engineering

University of North Dakota Grand Forks / ND / USA 2003 – 2005  
M.Sc. in Civil Engineering

**6. Membership of Professional Associations:**

Turkish Association of Architects and Engineers / Chamber of Civil Engineers

**7. Countries of Work Experience:**

<b>Country:</b>	<b>Dates:</b>
<i>Turkey</i> Please see Item 10-11 for details	2005-Present
<i>USA</i> Research Assistant University of North Dakota, ND	2003-2005
<i>Turkey</i> Please see Item 10-11 for details	1998-2002
<i>Turkmenistan</i> Construction of Turkmenbasi Textile Factory	1997-1998
<i>Turkey</i> Please see Item 10-11 for details	1996-1997

**8. Languages:** 5: Excellent 4: Very Good 3: Good 2: Fair 1: Poor

Language	Reading	Speaking	Writing
Turkish	Mother tongue		
English	5	4	4

**9. Employment Record:**

2008 – to date	Kilittasi Engineering Consulting Construction Co. Ltd. Company Manager/ Chief Design Engineer
1999 – 2000	Hidrokon Engineering and Consulting Services Ltd. Design Engineer
2005 – 2007	Yapı-Teknik Engineering & Consulting Company Limited Chief Structural Engineer
2003 – 2005	University of North Dakota School of Engineering, Civil Engineering Department M.Sc. Student and Research Assistant
2000 – 2002	Temelsu International Design Engineer
1999 – 2000	Alter International Engineering and Consulting Services Ltd. Design Engineer
1998 – 1999	Birim Altyapı Engineering Consulting Co. Design Engineer
1997 – 1998	GAP İnşaat, Çalık Holding Site Engineer
1996 – 1996	USAŞ Prefabrik Design and Production Control Engineer

10. Detailed tasks assigned	11. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned
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<b>Chief Engineer</b>	<b>Kilittasi Engineering and Consulting Services Ltd.</b> <b>Ankara / Turkey</b>  Oylat HEPP <ul style="list-style-type: none"> <li>Hydraulic and structural design of hyrdoelectric power plant, feasibility, final and detailed design of run of river HEPP.</li> </ul> Köroğlu HEPP <ul style="list-style-type: none"> <li>Hydraulic and structural design of hyrdoelectric power plant, feasibility, final and detailed design of run of river HEPP.</li> </ul>
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	<p>Eskisehir Potable Water Treatment Plant</p> <ul style="list-style-type: none"> <li>• Structural design of water treatment plant units</li> </ul> <p>MESA Çengelköy House Complex Infrastructure Project</p> <ul style="list-style-type: none"> <li>• Design of Sewage system, stormwater system and water distribution network</li> </ul> <p>Transfert Cheliff – Kerrada Station De Traitement Des Eaux Project, Algeria</p> <ul style="list-style-type: none"> <li>• Structural Design of Pump House</li> <li>• Structural design of plant units</li> </ul> <p>Structural Design of Hydroelectric Power Plant - Plant House</p> <ul style="list-style-type: none"> <li>• Bilav HEPP, Nakhichevan, Azerbaijan</li> <li>• Degirmen HEPP, Antalya</li> </ul> <p>ISMEP Structural strengthening of selected hospital buildings in İstanbul</p> <ul style="list-style-type: none"> <li>• Detailed design of hospital buildings (~20 buildings)</li> </ul>
<b>Chief Structural Design Engineer</b>	<p><b>ALTER International Engineering and Consulting Services Ltd.</b> <b>Ankara / Turkey</b></p> <p>Water Supply and Sanitation Project Sivas</p> <ul style="list-style-type: none"> <li>• Review of structural design of wastewater treatment plant units</li> </ul> <p>ISMEP Structural strengthening of selected hospital buildings in İstanbul</p> <ul style="list-style-type: none"> <li>• Preliminary design of hospital buildings (~60 buildings)</li> </ul>
<b>Chief Structural Design Engineer</b>	<p><b>Yapı Teknik</b> <b>Ankara / Turkey</b></p> <p>Otogar-Bagcilar Light Rail System Project</p> <ul style="list-style-type: none"> <li>• Structural and detailed design of deep underground metro station which constructed by using diaphragm wall with top-down construction technique</li> <li>• Design of cut and cover stations</li> <li>• Structural and detailed design of anchored walls.</li> <li>• Structural and detailed design of cut and cover tunnels</li> </ul> <p>Cansu HEPP Project</p>

	<ul style="list-style-type: none"> <li>• Detailed design of sediment stilling basin</li> <li>• Detailed design of penstock supports</li> </ul> <p>Feasibility study and evaluation of hydroelectric power plant (HEPP) projects</p> <ul style="list-style-type: none"> <li>• Dereköy Dam and HEPP Project</li> <li>• Kasımlar Dam and HEPP Project</li> <li>• Kadıncık III and IV HEPP Project</li> <li>• Çamlıca Dam and HEPP Project</li> </ul>
<b>Research Assistant</b>	<p><b>University of North Dakota</b> <b>Grand Forks / ND / USA</b></p> <ul style="list-style-type: none"> <li>• Nonlinear analysis of steel braces under cyclic quasi-static load.</li> <li>• Nonlinear analysis of composite structures under axial and lateral cyclic load.</li> <li>• Design methodologies and ultimate state prediction methods of composite bridge piers.</li> </ul>
<b>Design Engineer</b>	<p><b>Temelsu Internaional</b> <b>Ankara / Turkey</b></p> <ul style="list-style-type: none"> <li>• Borçka Dam and HEPP Project, detailed construction design of dam structures, design of access roads and related structures</li> <li>• Muratlı Dam and HEPP Project, detailed construction design of dam structures, design of access roads and related structures</li> </ul>
<b>Design Engineer</b>	<p><b>ALTER International Engineering and Consulting Services Ltd.</b> <b>Ankara / Turkey</b></p> <ul style="list-style-type: none"> <li>• Mus Airport Project, design of roads, parking areas</li> <li>• Denizli-Çardak Airport Project, design of roads and parking areas</li> <li>• Hopa Water Supply Project, design of river intake structure and its structural design, road design and their civil structures</li> <li>• Sakarya Group Water Supply Project, submerged water intake design</li> </ul>

<b>Design Engineer</b>	<b>Birim Altyapi</b> <b>Ankara / Turkey</b> <ul style="list-style-type: none"> <li>• Kavaklıdere City Potable Water Treatment Plant Project, structural and detailed design of the plant units</li> <li>• Findikli City Sewerage Project, structural and detailed design of pump stations, hydraulic design of sewerage network</li> <li>• Ercis City Sewerage Project, structural design of pump station</li> <li>• Eskişehir City Sewerage Project, structural design of pump stations</li> <li>• Emlak Bank Bahcesehir (Istanbul) House Clusters Infrastructure Project, design of roads, sewerage and stormwater network</li> </ul>
<b>Site Engineer</b>	<b>GAP İnşaat, Çalık Holding</b> <b>Ashgabat / Turkmenistan</b> <ul style="list-style-type: none"> <li>• Construction of factory units and administration buildings</li> <li>• Construction of water treatment plant of the factory</li> </ul>
<b>Design Engineer</b>	<b>USAS Prefabrik</b> <b>Uşak / Turkey</b> <ul style="list-style-type: none"> <li>• Structural and detailed design of prefabricated industrial buildings in Uşak, Afyon, Aydın, Kütahya regions</li> <li>• Production control of prefabricated concrete members</li> </ul>

## 12. Other relevant information:

### **Significant Course Work**

- Advanced Finite Element Analysis
- Advanced Mechanics of Material
- Plasticity Theory
- Structural Dynamics
- Advance Numerical Analysis
- Structural Stability

### **Publications**

Deepest top-down LRT station in İstanbul, Çiğir Station, Otogar-Bağcılar Light Rail Project, Ünal İlker, Ersöz Erdoğan, Alper Uzman - AFTES congress Manaco, 2008

Elastoplastic analysis and ductility factor evaluation of steel tubular columns subjected to cyclic loading, İraj HP Mamaghani, Mohammad Khavanin, Ersöz Erdoğan, Luke Falken – ASCE congress Vancouver, 2008

### **Computer Skill**

Computer Languages: C/C++, FORTRAN, Visual Basic, AutoLisp  
Finite Element Software: ABAQUS, ANSYS, SAP2000, OpenSees, Plaxis  
Other Software: AutoCAD, NetCAD, MS Office

**13. Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience. I understand that any wilful misstatement described herein may lead to my disqualifications or dismissal, if engaged

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Ersöz Erdoğan  
M. Sc. Civil Engineer

Ankara, 2010