

ÖZGÜR AKÇA

Civil Engineer, BSc, ODTÜ - 2003

Personal Information and Summary	12 years of experience in civil engineering; in all design phases, covering a wide range from special architectural concepts to heavy industrial projects including thermal and hydro power plants. Design optimization, value engineering and forensic engineering. Project management and coordination of various design and implementation phases, consultancy for site applications.
Professional Experience October 2010 - December 2014 EnerjiSA Enerji Üretim A.Ş. Ankara	Senior Design Engineer, Dam Safety Engineer Civil engineering technical support and/or consultancy for business development, project implementation and operation phases for energy Projects (hydro and thermal). Preparation of method statements, Instructions and technical specifications. Enhance conceptual designs. Reporting of inconvenience related with processes. Preparation of Engineering progress reports and amendments. Preperation and execution of dam safety procedures, regular reporting for Köprü (145MW), Menge (85MW), Suçatı (7MW) and Kuşaklı (20MW) HEPP projects. AlpaslanII Dam and HEPP (280MW), Muş Check and review of final design projects, May 2011 Check and review of application design for diversion entrance and preparation of amendments for gate niches, September 2013 Arkun Dam and HEPP (235MW), Erzurum Check and review of 14km long power tunnel Pre-stressed Lining calculations, May 2012 Check and review of application design for diversion entrance and preparation of amendments for gate niches and emergency plug, November 2012 Bandırma CCPP (937MW), Bandırma Check and review of structural design and consultant comments, June 2013 Bandırma HEPP (3.6MW), Bandırma Check and review of application design for energy production from cooling water of Bandırma CCPP project, June 2013 Bandırmall CCPP (650MW), Bandırma Technical support to project management for EPC contracted project, December 2013 Bares Wind Farm (143MW), Bandırma Check and review of application design for foundations of turbines and facility buildings, June 2012 Birkapılı Weir and HEPP (60MW), Mersin Project management works for enlarging head pond for peak hour energy production capacity and rehabilitation, June 2013 Reinforced concrete cover design for penstock against rock fall, April 2014 Çambaşı Weir and HEPP (45MW), Trabzon Energy production optimization project for turbine type revision and cancellation of surge tank, February 2011 Çanakkale WPP (30MW), Çanakkale Investigation of turbine foundations and notification of design deficiencies, June 2014 Dağdelen Weir and HEPP (8MW), Kahramanmaraş Check and review of final design projects, May 2011 Doğançay Regülatörü ve HES (63MW), Adana Check and review of final design projects, Haziran 2011

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	<p>Check and review of application design for TBM segments, December 2011</p> <p>Check and review of application design, 2012-2013</p> <p>Hacınınoğlu Weir and HEPP (142MW), Kahramanmaraş</p> <p>Check and review of application design for diaphragm wall design of weir structure, October 2010</p> <p>Kandil Dam and HEPP (205MW), Kahramanmaraş</p> <p>Check and review of application design for diversion entrance and preparation of amendments for gate niches, January 2013</p> <p>Check and review of application design for concrete face slab and stay ring rehabilitation, February - May 2012</p> <p>Kavşakbendi Dam and HEPP (180MW), Adana</p> <p>Check and review of various application design projects, 2012-2013</p> <p>Structural Design of Check Dam, August 2014</p> <p>KentSA CCPP (120MW), İzmit</p> <p>Preparation of specifications and technical coordination of seismic upgrade of administration and management buildings, July 2014</p> <p>Köprü Dam and HEPP (145MW), Adana</p> <p>Root cause studies after the incident in February 2012, performing necessary analysis and reporting. Technical coordination of rehabilitation works.</p> <p>Preparation of impounding strategy and evaluation of monitoring data after impounding, May 2013</p> <p>Feasibility study evaluation for environmental powerhouse at bottom outlet, September 2013</p> <p>Kuşaklı Weir and HEPP (20MW), Adana</p> <p>Preliminary design of structural steel power house and check and review of application design, August 2012</p> <p>Menge Dam and HEPP (85MW), Adana</p> <p>Feasibility study evaluation for environmental powerhouse at bottom outlet, April 2011</p> <p>Evaluation of monitoring data, preparation of dam safety reports for RCC dam, August 2012</p> <p>Technical coordination for rehabilitation works of switchyard excavation, December 2013</p> <p>Pervari Dam and HEPP (408MW), Siirt</p> <p>Check and review of final design projects, June 2013</p> <p>Sarıgüzel Dam and HEPP (101MW), Kahramanmaraş</p> <p>Check and review of application design for concrete face slab, March 2012</p> <p>Check and review of application design for diversion entrance and preparation of amendments for gate niches, February 2013</p> <p>Concept design of Steel bridge on tail water channel, August 2014</p> <p>Suçatı Dam and HEPP (7MW), Kahramanmaraş</p> <p>Technical coordination for silt removal works in lake area in order to operate the bottom and RCC dam body performance studies, August-December 2013</p> <p>Technical coordination of anchorage system design of RCC against EQ loads, August 2014</p> <p>İncir Dam and HEPP (160MW), Siirt</p> <p>Feasibility studies for circular RCC application, May 2011</p> <p>Yamanlı 1st and 2nd Stages Weir and HEPP (59MW, 23MW), Adana</p> <p>Check and review of final design projects, May 2011</p> <p>Energy production optimization project for turbine type revision, November 2010</p> <p>Check and review of application design for TBM segments, January 2012</p> <p>Structural optimization of 1st stage powerhouse steel roof, February 2012</p> <p>Preliminary design works for the circular buttress weir body on diaphragm walls, January 2011</p> <p>Tufanbeyli TPP (450MW), Adana</p> <p>Check and review of cooling tower etc. for earthquake performance, March 2013</p>
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<p>December 2007- August 2010</p> <p>RAE Mühendislik Ltd. Şti. Ankara</p>	<p>Check and review for structural design of main cooling underground pipe system, Mart 2013 Technical evaluation of contractor claims, August 2014</p> <p>Co-Founder</p> <p>Performing feasibility studies. Preparation of offers. Role and responsibility definitions of employees. Preparation of work plans and project management. Performing mathematical models for structures. Analysis and design under requirements of technological, architectural and mechanical aspects with national/international standards. Coordination of draftsmen, control and submission of drawings/reports. Consultancy services for site implementation. Constitution of design standards for structural integrity, viability and safety. The most representative projects were,</p> <ul style="list-style-type: none">• Great Man-Made River project, Design of 13000m³ & 27000m³ capacity buried water storage tanks• Özkan DÇ, Steel Mill; Structural design works for all steel and R/C structures including machinery foundations• Perm Sports Hall (Ice-Skating), Final design of structural steel roof• AL-RAI, SMI steel making plant final design; Steel Mill Structure, SYH Structure, Ferro-Alloy storage structure• AL-RAI General Trade CO. EAF Steel mill, 750000 ton/year capacity mill structure• Muş Cement Plant; Design of dome type preblending steel structure• Design of half icosahedral sphere formed Perm Sports Hall Steel Roof
<p>January 2007- December2007</p> <p>Bureau Veritas LLP Almaty, Kazakhstan</p>	<p>Technical Coordinator</p> <p>Technical coordination works for Almaty financial district, AFD (Kazkommertz Bank, KKB, Turan Alem Bank, Alliance Bank, Markova, Furmanova North and RFCA, total 160000m²) with local and international designers and contractors on behalf of investors. Providing solutions related with local adaptation processes for local expertise. Coordination of consultants and contractors for construction issues.</p>
<p>October 2006- December 2006</p> <p>GAMA QATAR Co.W.L. Ras Laffan, Qatar</p>	<p>Technical Office Engineer</p> <p>Preparation/coordination of application projects for site camp of 4000 workers for Qatar GAS 3-4, QCS project. Preparation of work schedules and site implementation.</p>
<p>January 2005- August 2006</p> <p>Birim Mühendislik Ltd.Şti. Ankara</p>	<p>Structural Design Engineer</p> <p>Structural analysis and design of R/C and steel structures, Coordination of engineering crew, detailing and workshop drawings. The most representative projects were,</p> <ul style="list-style-type: none">• JAF, New Headquarters Complex, Gymnasium and administrative buildings• Almaty International Logistics Center, Design of large span warehouses• ODTÜ, Science Center, Design of dome type structure

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<p>September 2004-January 2005</p> <p>Biryapı A.Ş. Ankara and İstanbul</p> <p>March 2004-September 2004</p> <p>March 2003-March 2004</p> <p>Birim Mühendislik Ltd.Şti. Ankara</p>	<ul style="list-style-type: none">• Rehabilitation works for Ministry of Education, Rehabilitation of existing primary school buildings against EQ• ODTÜ, KKTC Campus, Structural design of sports hall and swimming pool <p>Site Manager and Design Engineer</p> <p>Material supply and delivery coordination. Erection and Installation of steel structures. The most representative project was Metrocity shopping mall.</p> <p>Military Service</p> <p>Structural Design Engineer</p> <p>Structural analysis and design of R/C and steel structures, Coordination of detailing and workshop drawings. The most representative projects were,</p> <ul style="list-style-type: none">• Warehouses in In Amenas Gas Project and Sakhalin Island• Minyatürkent structures of Antalya Municipality• Central building for school of academics for Ministry of Defense
<p>Professional Activities and Publications</p>	<ul style="list-style-type: none">• Contract Management for Project Management, Cost and Financial Management for Projects and Schedule Management Workshop, May 2013, Yapı Kurumsal Akademi• Paper for Steel Structures Symposium, METU CCC, April 2005, Design principles for prevention of floor vibrations and current applications• Paper for DSİ (State Hydraulic Works) 2nd Dam Conference, February 2014; Structural Design Applications of Weir Body on Cassette Type Diaphragm Walls
<p>Professional Memberships</p>	<p>Turkish Chamber of Civil Engineers</p>
<p>Computer Skills</p>	<p>SAP2000 Structural analysis program (advanced) ETABS Extended 3D analysis of building systems (advanced) SAFE Slab analysis by finite element method (advanced) PROBİNA Orion (advanced) AutoCAD (advanced) XSteel (intermediate) MS Windows applications (advanced)</p>
<p>Foreign Languages</p>	<p>English (advanced)</p>