

# ALPER ALTEN

## Work Experience

### MECHANICAL ENGINEER

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#### **December 2015 - Present**

Freelancer Consultant

Since December 2015, I have been working as a freelancer in engineering areas such as planning, design, and improvement. Some of the projects I have worked on involved functionality of designs, planning of workflows and efficiency improvement in the workplace for companies.

#### **January 2010 - July 2015**

Technical University of Berlin / Working Student

While at Technical University of Berlin (similar to Technopark in Turkey), I worked on the following projects:

- *Disassembly project with KUKA Robots* - wrote G-codes to disassemble white goods while transferring them on conveyors, then translated the language with another team to KRL with CAMRob software. (6 months)
- *"E-Bus Berlin" Project in cooperation with Bombardier & Deutsche Bahn & BVG* (Berlin's public transport association) - tested the system of wireless charging of busses using an integrated inductive charging system. (1 year)
- *Liebherr AG steel construction project* - was a member of calculation team on weight reduction project of High-top EC-H cranes, also worked on the modification of disc springs in the bottom hook block. (1 year)
- *TU Berlin - Fraunhofer Helicopter rotary wings (rotor blades) competition* - The competition had 20 teams and each team had 6 members. The target was to get the best results while spending the least amount of the budget (max. 500.000€) with only 20 tests. Received 6th place with a cost of 350.000€. ( 6 months of theory, 1 year project, total 1.5 years)
- *Thermal Analysis of a INTEL microchip assembly*, deformation analysis in different workloads and under different temperatures (1), using Abaqus software examined the deformations of ball bearings (with and without cages) under different circumstances and made quality improvement calculations for the bearings which were tested under static workload at 10, 25, and 50 years of use. (2) (6 months)
- *Gearbox systems of ThyssenKrupp elevators*, made calculations on parts such as bevel gear, shaft, bearing life, lubrication; and also calculated the bolt connections of the gearbox cases (6 months)

**January 2014 - January 2015**

Smeet Communications GmbH, Berlin

Turkish Community Assistant

Oversaw the money flow in Turkish market with mynet.com and customer support

**June 2012 - January 2014**

Appen Butler Hill, Global

Speech-to-Text Translation and Web Search Evaluator

Worked as speech-to-text translator to improve the voice search section of Google

Android in German language and also SERP improvement of the Microsoft search

engine Bing for Turkish market in association with Microsoft.

**January 2012 - March 2012**

Tekimak A.S.

Working Student

Worked on different construction and planning fuel tanks, according to ISO standards

based on P and ID. (Piping and instrumentation diagrams). Also completed my

internship in the area of management.

**January 2009 - March 2009**

Mannesmann-Borusan A.S.

Internship

Completed my internship in the areas of Sheet Metal Forming, Welding and Separation

Processes

**Education**

**2015 – 2016** Computational Engineering Science MSc. (not completed)

Technical University of Berlin, Berlin, Germany

**2009 – 2015** Mechanical Engineering BSc.

Technical University of Berlin, Berlin, Germany

**2001 – 2004** High School

MAE Anatolian High school, Kocaeli, Turkey

**Certificates**

**2015** Six Sigma Green Belt (Quality Engineer)

Technical University of Berlin

**2015** Six Sigma Yellow Belt

goleansixsigma.com

**2011** Stock Market License

Technical University of Berlin

**2011**

ISO 9001:2008 Internal Assessor Training

ISO 9001:2008 Quality Management Systems Training

ISO 14001:2004 Environmental Protection Training

OHSAS 18001:2007 Workplace Safety Training

SMT Strategic Management Training

University of Kocaeli

Attended Seminars	<p><b>2012</b> Renewable Energy Technical University of Yildiz</p> <p><b>2009</b> Work Place Safety Technical University of Berlin</p> <p><b>5S</b> - Work Place Organisation Mannesmann Borusan A.S.</p> <p><b>2006</b> Quality Management Technical University of Yildiz</p>
Language Skills	<p><b>Turkish</b> Native speaker</p> <p><b>German</b> Oral and Written: Fluent</p> <p><b>English</b> Oral and Written: Advanced</p>
Software Skills	<p><b>Advanced</b> SolidEdge, Solidworks, R-Language, Catia</p> <p><b>Intermediate</b> Autocad, Siemens NX, MS Office, Html, Css, Php, JQuery</p>
References	<p><b>Oguzhan Altan</b> Head of Operations and Maintenance, Borusan Mannesmann, Turkey Tel.: 0090-(533)379-2361 / E-Mail: N/A</p> <p><b>Mehmet Akın Gül</b> Sales and project manager, ABB AG, Germany Tel.: 0049-(177)840-3548 / E-Mail: mehmet-akin.guel@de.abb.com</p> <p><b>Dr.-Ing. Lutz Rautenberg</b> Polymer Materials Science and Engineering, TU Berlin, Germany Tel.: 0049-(30)314-24295 / E-Mail: lutz.rautenberg@tu-berlin.de</p> <p><b>Kemal Ellibeşoğlu</b> Senior Maintenance Engineer, FNSS Savunma Sistemleri A.Ş., Turkey Tel.: 0090-(532)220-7824 / E-Mail: kemal.ellibesoglu@fnss.com.tr</p> <p><b>Salih Ürek</b> Mechanical Engineer, Tekimak A.Ş., Turkey Tel.: 0090-(555)441-0772 / E-Mail: salihurek@tekimak.com</p>