

# Dr Ismail Altuncu

Consultant at JIG & Asistant Professor

---

## Summary

Applied Kaizen & 5S expert

Certificated Kaizen Techniques training for executives

Certificated Advanced Techniques for Effective Preventive & Predictive Maintenance training

Certificated Total Productive Maintenance training

Toyota Production System (Total industrial Engineering)

Business developement with Japanese companes in Energy, Construction and Mining

Advanced communication skills in Japanese language

Automation & robotic systems

---

## Experience

### **Consultant at Japan International Group**

July 2011 - Present (2 years 9 months)

Management consulting services include analyzing and identifying internal weaknesses and organizations' shortcomings to develop plans targeted to tackling these issues. We also develop corporate and growth strategies where potential for market expansion is evaluated; organizational structure is studied while executing diagnostic audits and executive coaching.

### **Purchasing Manager at Pratt & Whitney**

July 2009 - June 2011 (2 years)

Purchasing management of a Jet engine repair & maintenance center in Sabiha Gokcen Airport. System setup & optimization of a new established JV between Turkish Teknik and Pratt & Whitney. Business volume of \$300M annual with 235 persons. Reporting to material director and supervising 5 buyers in the purchasing department. Procurement parts of Airbus and Boeing passenger aircraft jet engines from the US and Europe. Repair management for the parts in external repair. Vendor selection, evaluation. Service and maintenance management of installed machinery. Kaizen & 5S applications in production & procurement process.

### **Purchasing - Business Director at Calik Holdings**

April 2007 - June 2009 (2 years 3 months)

Management of material purchasing process for mainly construction projects.

Machine and device procurement for hospital and industrial plants.

Service and maintenance management of installed machinery.

Responsibility of 14 people in the division carrying out domestic and international purchases.

Business development in construction filed.

Business development towards distributor agreement

Trade business mainly in China and Japan

## **General Manager at Peter Wolters Co**

April 2005 - March 2007 (2 years)

General management of a German machine tool maker Japan subsidiary into fine grinding and silicon wafer polishing.

Responsibility of 18 people in the company in Sales, Service and Administration.

Reorganization of service and sales team by recruiting new members.

Performed sales visits to potential customers

Claim management and technical support

Offered service contracts to current customers for better maintenance.

An excellent Mr. Japan of an international company.

Responsible with the achievement of annual sales.

## **Sales Management in Overseas at Harmonic Drive Systems**

July 2001 - March 2005 (3 years 9 months)

Person in charge for Pacific Rim, Taiwan, China, Australia in Overseas Division

Sales experience and technical support of motion control equipments with 4 persons in Overseas Division and 18 persons at distributors in my region

Established distributors in each country; gave training presentation for sales engineers of distributors.

Carried out exhibitions, managed samples and the necessary documentation.

Achieved 160% of proposed target sales amount in last year

Development and marketing experience of a new products in Japan

Customer support in system control problems, offering solutions.

Product Claim Management for all overseas customers

## **Director at Baharu Corporation**

June 2000 - July 2001 (1 year 2 months)

Management of an Enterprise

Trade, Tourism, Consulting business experience

Management of 12 persons in different divisions

Finding appropriate financing in Japan for constructing large industrial plants in Central Asia and Turkey.

Selecting the best contractor among the major Japanese trading houses (sogo shosha) with favorable financing terms

Handling EPC (Engineering Procurement Constructing) Projects at the size of 100 Mill. USD

## **System Engineer at TDC Software Engineering Inc.**

April 1998 - June 2000 (2 years 3 months)

Working on large scale IT projects (e.g. a major credit card company's online system)

Managed software project as a Team leader of 10 members on a JSP/html/Oracle based web application of a major motorcycle manufacturer for retail shops to place order, stock check etc.

Carried out help desk and maintenance for web server, Java engine

## Courses

### **Master of Arts, Robotics**

Istanbul Technical University

Introduction Robotics

### **Doctorate PhD, System Control Engineering**

Okayama University

Kaizen and Applications

---

## Projects

### **Turksat 4A 4B satellites procurement from Japan**

March 2011 to September 2011

Members:Dr Ismail Altuncu, CTech Corp, Mitsubishi Corp (MELCO) JAXA

With Turksat 4A and 4B Japanese technology introduced Turkey first time although all the other satellites were procured from France until Turksat 3x

### **Mars Explorers OPPORTUNITY and SPIRIT, Honda ASIMO and others**

July 2003 to Present

Members:Dr Ismail Altuncu

NASA 's OPPORTUNITY and SPIRIT, mankind's first Mars Exploration Rovers, utilize 19 Harmonic Drive Gear units. They are found in the Robot Arms, Steering System, Gimbals and Drive Mechanism.

---

## Skills & Expertise

**Kaizen**

**Procurement**

**5S**

**Strategic Planning**

**Process Engineering**

**Process Improvement**

**Industrial Engineering**

**Management Consulting**

**Engineering**

**Lean Manufacturing**

**Business Development**

**Problem Solving**

**Purchasing**

**Japanese**

**Continuous Improvement**

**Project Management**

**Turkish**

**English**  
**Quality Management**  
**Toyota Production System**  
**International Trade**  
**Manufacturing**  
**Supply Chain Management**  
**SAP**  
**Sales Management**  
**TQM**  
**Value Stream Mapping**  
**International Business**  
**Six Sigma**  
**Robotics**  
**German**  
**Logistics Management**  
**Change Management**  
**Kanban**  
**Management**  
**Energy**  
**Risk Management**  
**JIT**  
**Preventive Maintenance**  
**Predictive Maintenance**  
**Process Optimization**  
**SIPOC**

---

## Publications

### **Japonya Tecrübeleri I####nda Kaizen**

Çerçeve - Tasarım, Ar-Ge ve #novasyon September 1, 2009

Authors: Dr Ismail Altuncu, Prof Dr Ibrahim Öztürk

Here a basic intr#duction is given how Japanese companies solve problems with kaizen to improve procedures towards better quality and efficiency

### **A Learning Control Application for a Pneumatic Manipulator on Impact Motion**

Journal of Robotics and Mechatronics October 3, 1997

Authors: Dr Ismail Altuncu, Prof Dr Toshiro Noritsugu

Pneumatic actuators are soft actuators that provide quick impacts that are not observed in other actuator types. Moreover, they absorb impact during tasks with collision. The emphasis of this study is to make use of the properties of pneumatic actuators. One of the control uses planned for the pneumatic robot link is a PD controller enhanced with a disturbance observer for maintaining reference angular velocity tracking. Another use is as a learning controller that updates the input term of the reference velocity for the velocity controller according to the impact force detected during each collision. Experiments were carried out in order to validate the velocity tracking and impact control performances of the control systems designed. Additional experiments tested the impact absorption feature of the pneumatic system. It was found that pneumatic actuators can absorb shock and vibration effects, resulting from impacts, that are undesirable in mechanical

systems.

### **Japonların kalkınması için: Kaizen**

Pasiad Conference March 14, 2012

Authors: Dr Ismail Altuncu

Uzun yıllar Japonya'da çalışan ve önemli projeler yürüten Dr. Ismail Altuncu, Kaizen ve verimlilik modeli hakkında Pasiad üyelerine bir seminer verdi.

### **Kalite ve Verimliliğin Artırma Yöntemi: Kaizen**

TIM Report September 10, 2009

Authors: Dr Ismail Altuncu

Rakiplerimiz ne bizden daha güçlü ya da akıllı. Yapacakları tek şey daha verimli olmak. Vaktimizin bir kısmını verimlilik ve kaliteye ayırmaya ne dersiniz?

### **Improvement Tools in Business**

the 1st Quality & Excellence Conference Khartoum, Sudan November 18, 2013

Authors: Dr Ismail Altuncu

Here a basic introduction is given how Japanese companies solve problems with kaizen to improve procedures towards better quality and efficiency with examples and certain effective Kaizen tools.

---

## Languages

|                 |                                   |
|-----------------|-----------------------------------|
| <b>English</b>  | (Full professional proficiency)   |
| <b>Japanese</b> | (Full professional proficiency)   |
| <b>Turkish</b>  | (Native or bilingual proficiency) |
| <b>German</b>   | (Limited working proficiency)     |

---

## Education

### **Okayama University**

Doctorate PhD, System Control Engineering, 1993 - 1998

Activities and Societies: Real time control of a robot manipulator by computer based on C language

PhD thesis: "Improving Control Performance of a Pneumatic Manipulator and Shock Absorption in Impact Force Control"

Monbusho (Jap.Govt.) scholarship during the studies at Okayama University

### **Istanbul Technical University**

Master of Arts, Robotics, 1989 - 1993

Activities and Societies: Simulation of a robot manipulator control based on C language

Master thesis: "Feed forward control of a SCARA type robot manipulator"

Research Assistant

### **Istanbul Technical University**

Bachelor of Arts, Mechanical Engineering, 1985 - 1989

Activities and Societies: Bachelor of Arts in Mechanical Engineering (First Class Honors)

Bachelor thesis: "Graphic simulation of a CNC lathe machine on Computer"

---

## Honors and Awards

Graduated as first honor from bachelor (ITU Mechanical Engineering)

Awarded Monbusho scholarship during Doctor studies in Okayama Uni. Japan

## Interests

Problem solving in Japanese way 5S and Kaizen applications

---

# Dr Ismail Altuncu

Consultant at JIG & Asistant Professor

---



[Contact Dr Ismail on LinkedIn](#)