

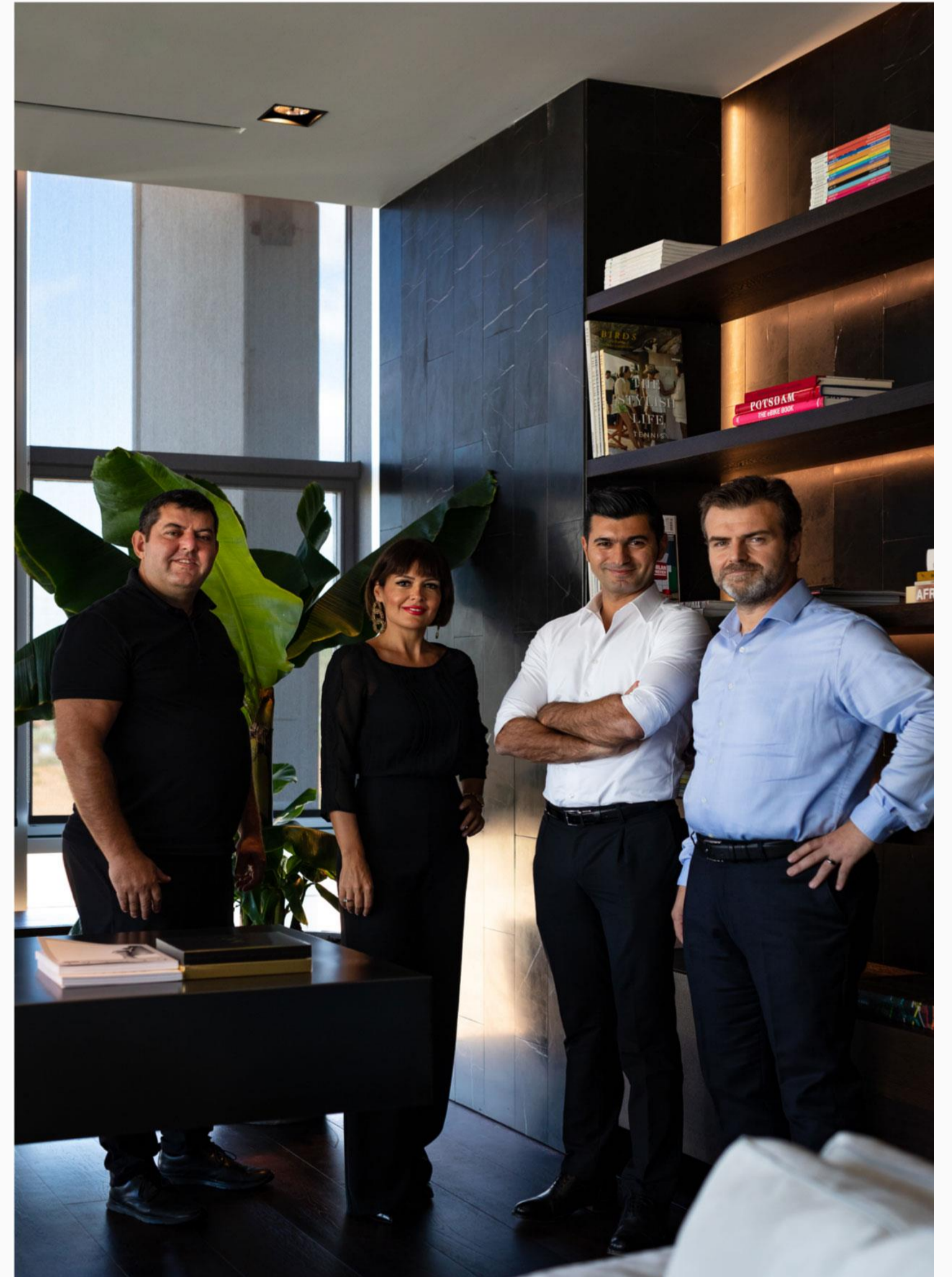


Software service company, founded in; **2005**

Shareholded by Sabancı University / Inovent,  
venture Shareholded capital company; **2006**

Grew more than the total of other 8 Inovent joint  
ventures and successfully exited; **2009**

**700+** Engineers experienced in Java, .Net, C/C++,  
IOS/Android/React Native, ALM/DevSecOps,  
Machine Learning, UI/UX/CX Project & Process  
Management



# COMPLIANCE AND CERTIFICATIONS

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## **CMMI Level 3 Appraised**

We have been appraised as CMMI Level 3 since 2015 and renewed the appraisal at early 2018

## **ISO 9001:2015 and ISO 27001:2013 Compliant**

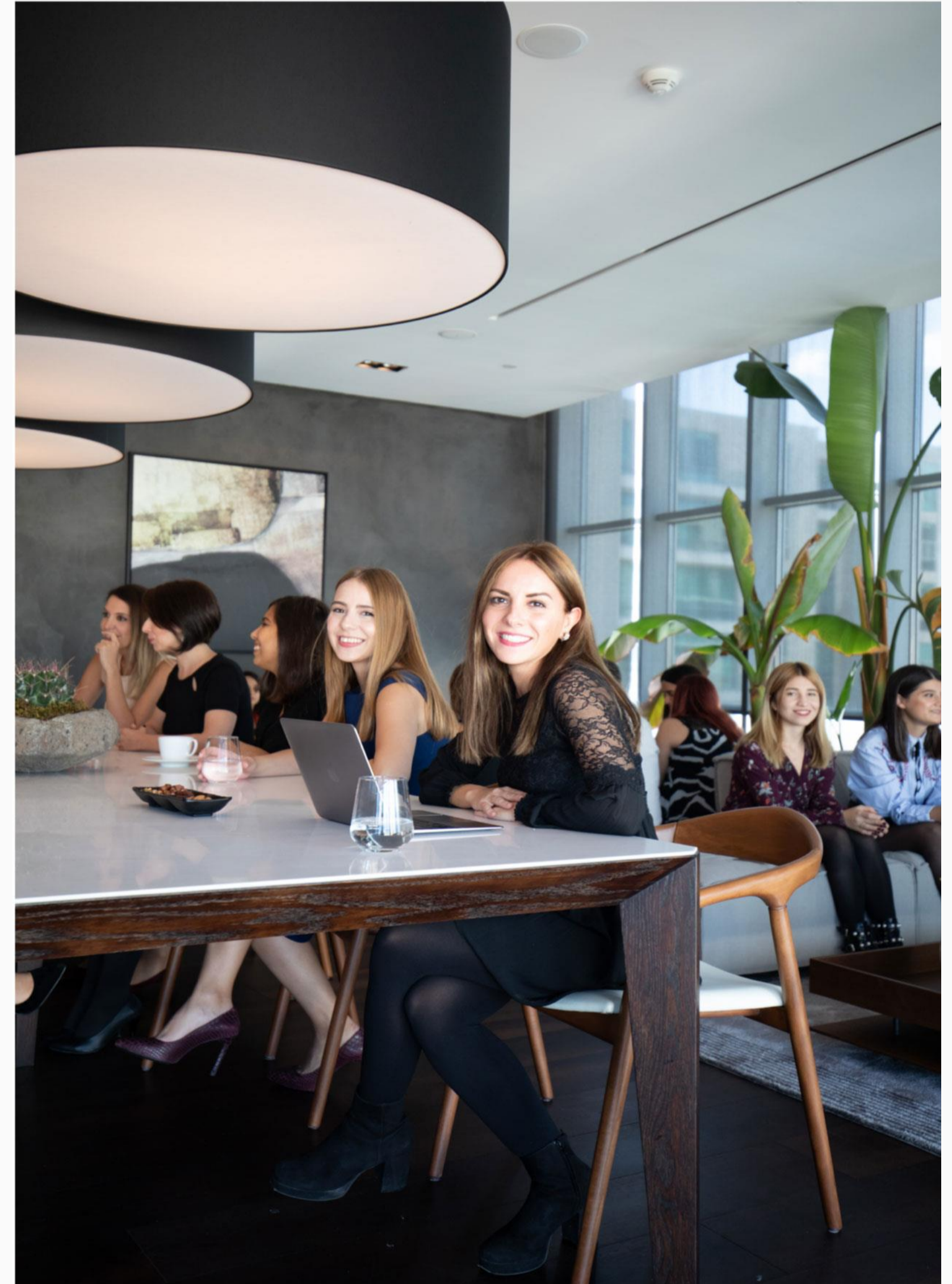
We have been certified as ISO 9001 and ISO 27001 compliant since 2012 and 2013 respectively

## **Facility Security Clearance Certificate**

We had Turkish Ministry of Defense for Facility Security Clearance Certificate since 2018

## **RTCA DO 178-B/C**

We employ multiple staff with DO 178-B training and are capable of developing a software project compliant with DO 178-B



# REFERENCE PROJECTS

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<b>COMPANY</b>	<b>PROJECTS</b>	<b>PROJECT EFFORT</b>
Gümrük Bakanlığı*	Bilge Project	55.000 (Man-Day)
Yapı ve Kredi Bankası	Credits Transformation	52.600 (Man-Day)
TEB (Türk Ekonomi Bankası)	Core Banking Transformation	41.000 (Man-Day)

## CODE MASTER

Visiting 19 leading universities in Turkey every year

Organizing technical seminars

Coding contests

Discovering bright and talented engineers

**STAGE 2 AWARD**

 **Stanford University**

The winner will be eligible to apply to the **Stanford Summer School** from 22 June to 17 August 2019. At this stage, it will be able to carry out the application process appropriate to the areas of interest and all costs will be covered by OBSS

**STAGE 1 AWARDS**

**1.** 3000 TL  
**2.** 2000 TL  
**3.** 1000 TL  
**4. & 5.** 500 TL

**OBSS CODE MASTER**

**BILKENT UNIVERSITY**

Show your passion, test your talent, express your character and BE A CODEMASTER! Your software engineering career starts with Codemasters contest to be held by OBSS! Show your algorithm and coding skills and retain your career opportunity at the most innovative software company in Turkey, among the most dynamic team members!

**Applications Link:**  
<https://goo.gl/Cv5Vq>  
Applications are open!  
For more information:  
[www.obss.com.tr/academic](http://www.obss.com.tr/academic)

GÜZEL SANATLAR FAKÜLTESİ  
FF Blok (Sütunlu Blok)  
2.kat FF-208

PROJECT CHALLENGE ROUND  
11 DECEMBER 2018  
TUESDAY, 10:30 - 13:30

FINAL ROUND  
9 MARCH 2019  
Teknopark/Istanbul - OBSS Office



## OBSS SCHOLARSHIP PROGRAM

Top 60 students from the top 10 universities.

OBSS not only provides them with funds but also mentors them throughout the academic year.

2018-2019

# SCHOLARSHIP PROGRAM STARTED

“  
IF YOU ARE A  
COMPUTER ENGINEERING  
3 or 4 GRADE STUDENT,  
**YOU ARE WELCOME**  
TO APPLY”



## INTERNSHIP PROGRAM

Acquiring the brightest students of the leading universities as interns.

At the end of the program, the most successful student is awarded with a trip to **San Francisco** to attend the **“Oracle Code One”** event.

8000+ application



The image is a composite of two parts. The top part is a boarding pass for JavaOne, featuring the Java logo, a QR code, and flight details: FROM: ISTANBUL TO: SAN FRANCISCO, 22-25 week OCT, and FLIGHT OBSS004. The bottom part is a promotional poster for the Summer Internship Program. It includes the title 'SUMMER INTERNSHIP PROGRAM', a section 'What we expect?' with a list of requirements, and an application link: <https://goo.gl/y8dTsE>. The OBSS logo is at the bottom.

**BOARDING PASS**

JavaOne

FROM: ISTANBUL  
TO: SAN FRANCISCO

22-25 week  
**OCT**

FLIGHT OBSS004

FROM: ISTANBUL  
TO: SAN FRANCISCO

ETKT: 5552115239450

GATE CLOSES 40 MINUTES BEFORE DEPARTURE

ETKT: 5552115239450

HAVE A NICE TRIP!

## SUMMER INTERNSHIP PROGRAM

*What we expect?*

- 3rd or 4th year student in departments such as Computer Engineering, Software Engineering, Information Systems and Technologies
- Available to work full week in July
- Basic knowledge of java web development
- Fluency in English
- Interest in continuous learning and improvement

APPLY FOR PROGRAM UNTIL  
**15th MAY 2018**

 **Application Link:**  
<https://goo.gl/y8dTsE>



## JAVA SUMMER SCHOOL

A java training for computer engineering students

Providing them with practical programming skills

Supporting their personal development

Increasing their interaction with the IT sector



**JAVA SUMMER SCHOOL**

Application Deadline:  
**15 MAY 2018**

What we offer?  
✓ Java SE  
✓ Java EE

OBSS ...

internship  
Job offer  
Job

**Training Schedule**

- 1.Level Internship Program: 25 June - 6 July 2018  
(2 weeks, 80 hours) İstanbul - Ankara
- 2.Level Internship Program: 16 - 27 July 2018  
(2 weeks, 80 hours) İstanbul - Ankara

Basvuru Linki: <https://goo.gl/y8dTsE>



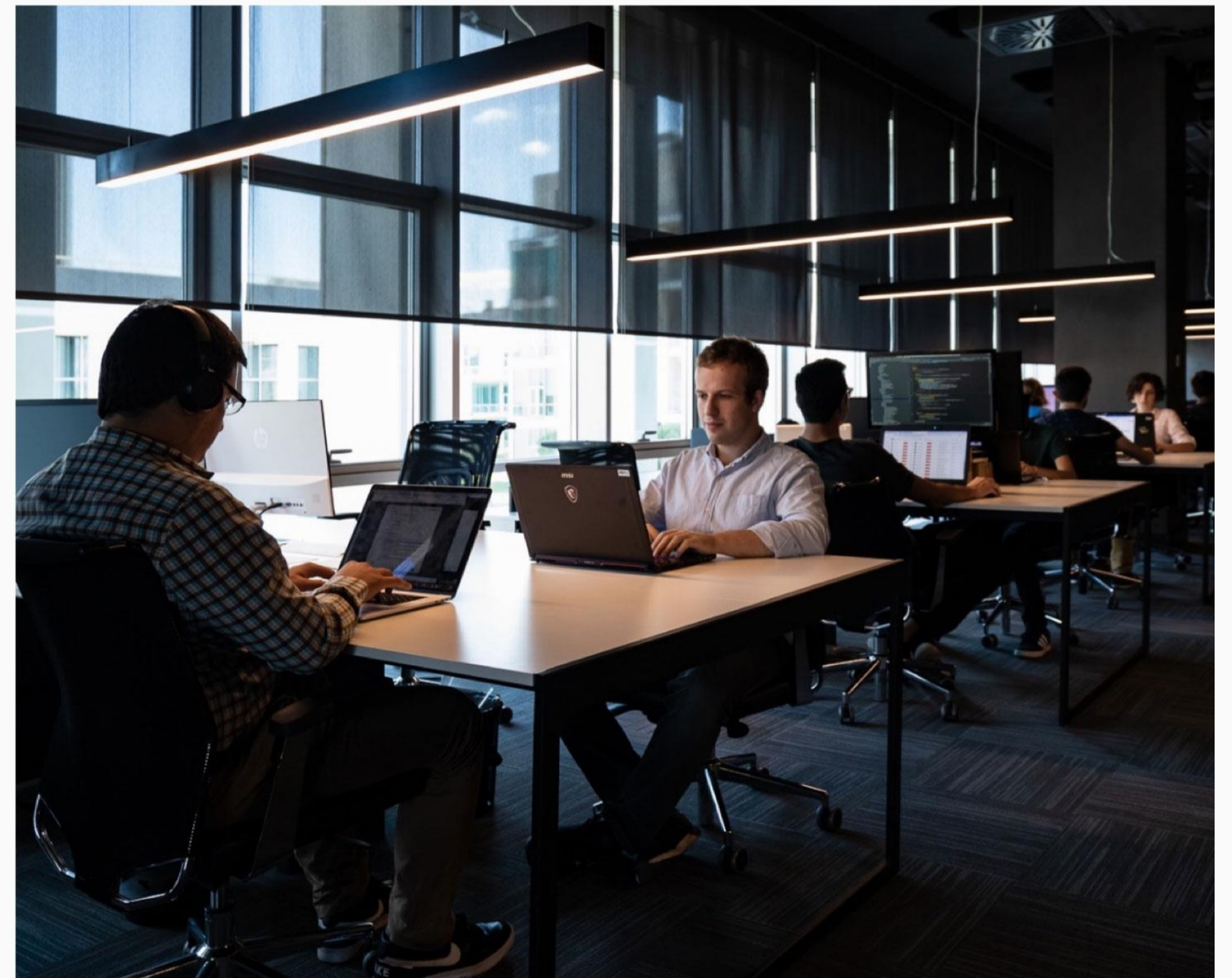


# WHAT WE DO IN ESSENCE

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We **craft bespoke software** from the grounds up or resolve software related challenges taking a **polyglot approach** tailored to your specific needs, adopting the **best-fitting paradigm** ranging from conventional **OOP to reactive design and functional programming**; using the most appropriate tools be it **on-premise, private or public cloud** platforms.





## Enterprise Application Frameworks Development

Developed **lightweight meta-frameworks** as well as **heavy-weight thick frameworks** over the course of 13 years 5 large scale implementations for enterprises from **finance** and **defense** industries

## Large-scale Digital Transformation Projects

Beside building brand new software, vast experience on **legacy re-engineering and transformation projects** such as migration **from COBOL and/or PL/SQL - Forms** systems to web and mobile applications based on platforms like **Java, .NET, Scala, Go, Python, Angular, React, Ionic, Swift, Android**

## Microservices Architecture

Design experience with **CQRS, Event Sourcing, Reactive Microservices** and **SAGAs**

Implementation experience with **Kubernetes, Docker, Spring Boot**, Ambassador & Envoy for **API Gateway**, Istio, Envoy, Linkerd for **Service Mesh**; ELK, EFK(Elastic, Fluentd, Kibana) cAdvisor, Prometheus, Grafana for **Monitoring**; Zipkin or Jaeger for **Distributed Tracing**; Besides Kubernetes stack; Ribbon, Nginx or HAProxy for **Load Balancing**; Hystrix as **Circuit Breaker**



## **DevOps Infrastructure/Process Design and Implementation**

Implementing **CI/CD** Processes

**Mavenization & Dockerization** Projects

## **Performance Tuning**

Identification and resolution of culprits causing performance issues

Diagnoses with JDK tools and **Dynatrace, Appdynamics, New Relic**

SQL Tuning, **JVM Tuning**, Application Architecture Inspection & Redesign

## **Software Quality Assessment**

Assessment of all the tiers (database, application, web) of software projects using both open source or licensed tools like **Sonar Cube, CAST, Fortify**

# EMBEDDED SOFTWARE ARCHITECTURE CAPABILITIES



## **Integrated Modular Avionics(IMA) Architecture**

Capable of designing and developing ARINC-651, ARINC-653 based avionics systems/software, which is compliant to «DO-297 Integrated Modular Avionics(IMA)

Development Guidance and Certification Considerations»

## **Future Airborne Capability Environment (FACE) Architecture**

Capable of designing and developing avionics software which is compliant to FACE Technical Standart.



**RTCA DO-178B/C Compliant Software Development/Validation Process**

**Manned & Unmanned ISR Systems Development**

# CLOUD COMPUTING CAPABILITIES

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We design and implement **private** or **public cloud** services based on PaaS, SaaS architectures on Kubernetes, OpenShift, Cloud Foundry, OpenStack; AWS and Azure depending on your needs.

We offer the best solutions for **migrating** your **legacy services** and **data** to cloud.

We provide operational support for your existing cloud services.



# BIG DATA CAPABILITIES

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## **DATA ANALYTICS**

Real-time Data Analytics

Batch Data Analytics

We provide real-time & batch data analytics solutions depending on your needs through Apache Hadoop, Apache Kafka, Apache Spark, Apache Storm, Apache Cassandra, MongoDB, Apache Hive, Apache Oozie technologies.

## **DATA VISUALIZATION**

We supply various types of dynamic dashboards, charts based on your requirements.

## **MACHINE LEARNING**

We apply machine-learning solutions to your data analytics system.

## **ETL ( Extract - Transform- Load )**

We extract, transform and load the data from your legacy systems to big-data ecosystem.

## **OPERATIONAL SUPPORT**

We provide operational support for your big data solutions.

# MACHINE LEARNING CAPABILITIES



## Computer Vision

Object Detection, Object Localization, Segmentation, Image Segmentation, Drone Detection, Pose Estimation

## Natural Language Processing

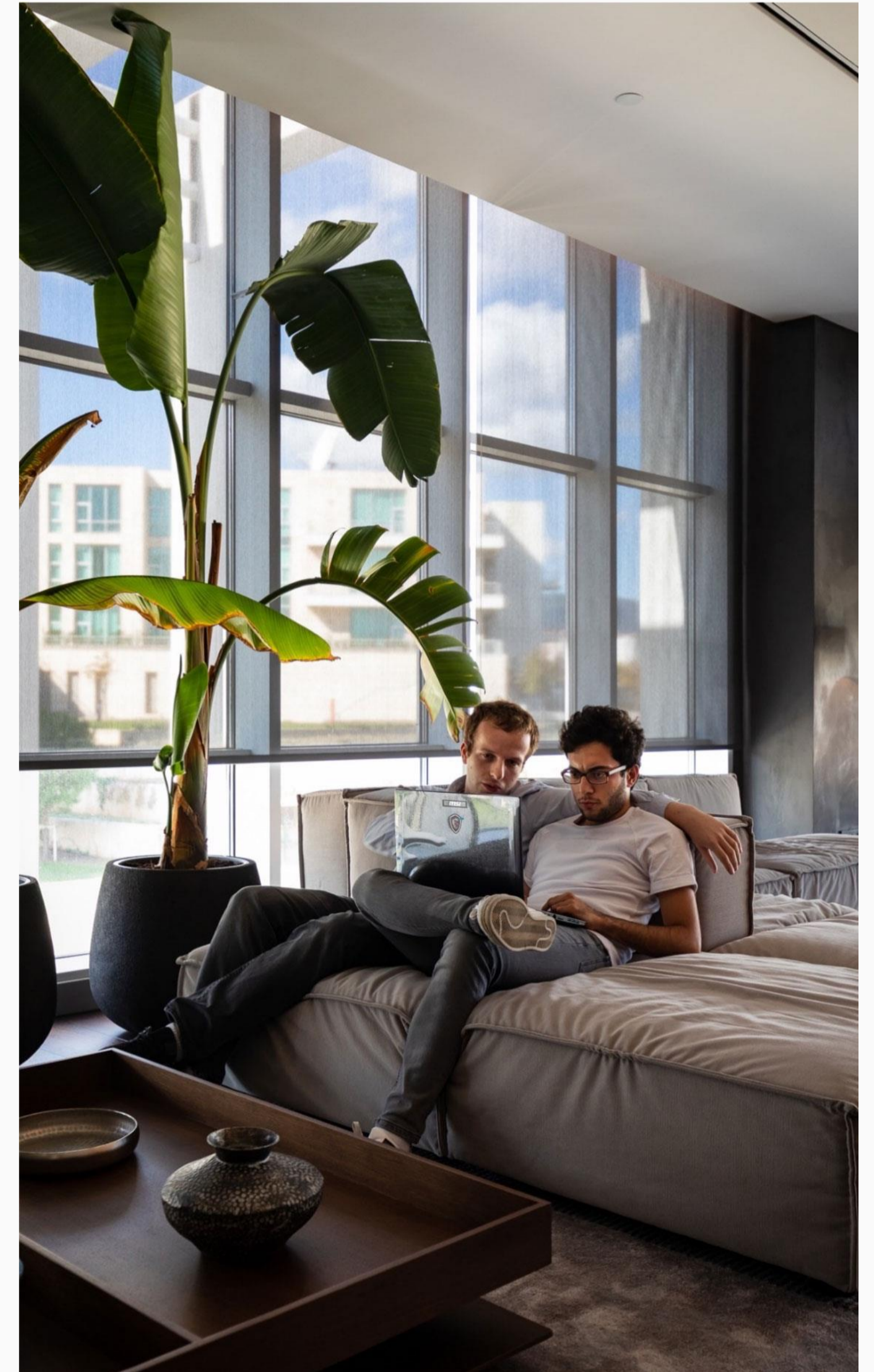
Text Classification, Question Answering, Sentiment Analysis, Named Entity Recognition  
Conversation and Chatbots, Question Generation

## Signal Processing

Sensory data processing, Audio Processing, Sound Segmentation, Human Voice Detection, Biomedical Signal Processing

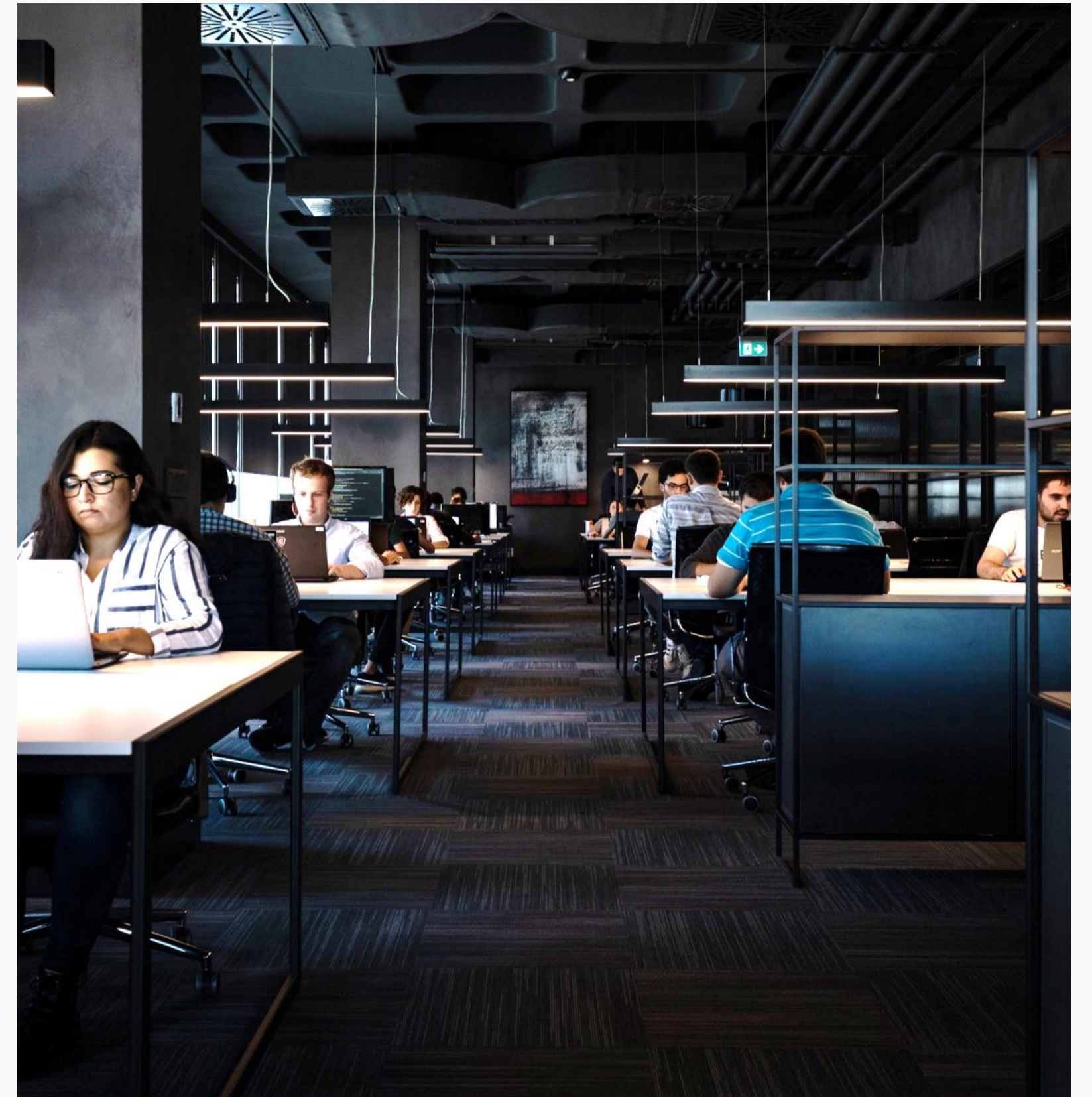
## Data Science

Statistical analysis, Anomaly Detection, Fault Localisation, Forecasting, Optimisation  
Techniques, Feature Engineering, Fast Domain Adaptation



## System Engineering

- Analyze of system requirements
- Preparation of alternative system solutions
- Determination of system architecture design
- Identification of system requirements
- Determination of use case and error case scenarios
- Preparation of communication interface messages
- Determination of validation and verification test scenarios
- System/Sub-System integration and test activities







## Software Engineering

- Network-Centric Warfare aided Command Control Communications Computer and Information(C4I) Technology
- Event driven software infrastructure (microservice)
- Software framework development and upgrade
- Configurable software development to use/integrate various sub-systems
- Tactical Data Link(Link-11, Link-16, Link-22, VMF) Capabilities
- System/Sub-System simulator development
- Mobile application development for hand-held device
- Software test automation
- Intelligence, Surveillance, Reconnaissance (ISR) Systems

# IT GOVERNANCE CAPABILITIES

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We provide advisory, awareness training, gap analysis and assessment services on below topics depending on your needs.

## **STRATEGY MANAGEMENT**

IT Business Alignment

Policy and Plan Development

Balanced Score Card

## **IT PROCESS MANAGEMENT**

ITIL

IT Service Management System (ISO 20000)

Risk Management (ISO 31000)

COBIT

## **COMPLIANCE**

Information Security Management System (ISO 27001)

NIST SP 800-171

Business Continuity Management (ISO 22301)

Regulations (6698, 5651, 5070, 6102)

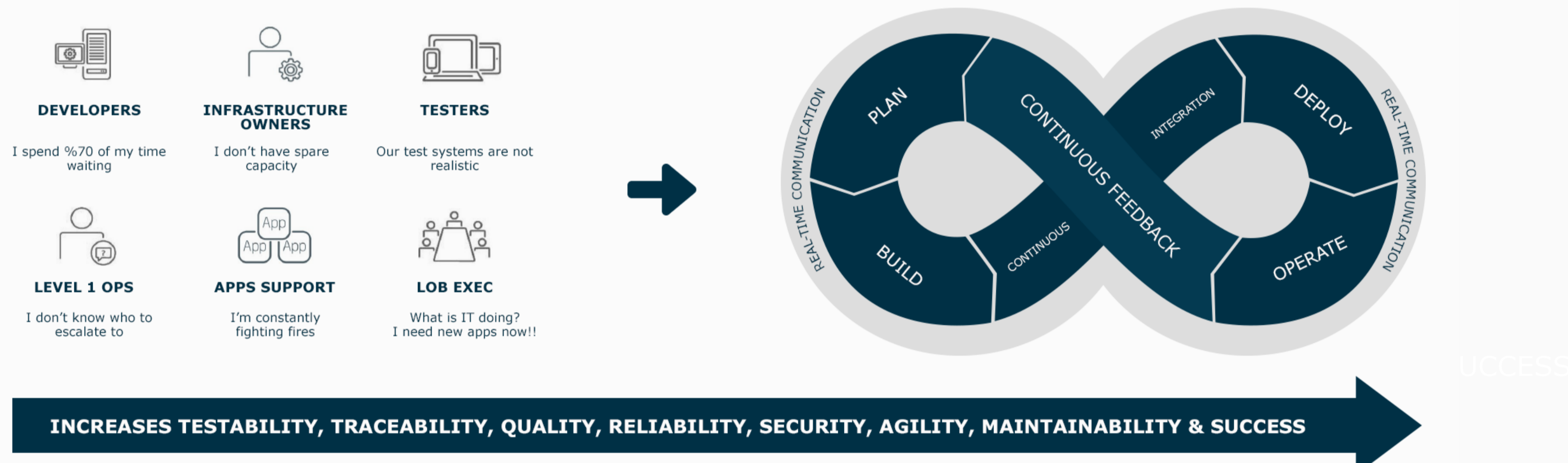


# DEVSECOPS CAPABILITIES



We'll help you evaluate your current capabilities, and provide support through every stage of your DevOps transformation journey with fusing teams, tools, and processes so that your organizations can deliver quality applications faster and more efficiently.

We provide tailor-made solutions together with training, consulting, and coaching services to advance your continuous integration and delivery capabilities through increased process efficiencies and automation.



## CULTURE

Creating a «**culture**» and «**mindset**» for better collaboration and continuous delivery

## ENTERPRISE ADOPTION

- Transform into product-centric organization
- Scale Agile through the organization
- Ensure collaboration between units
- Downsize portfolio

## E2E AUTOMATION

- Builds
- Deployments
- Tests
- Monitoring
- System rollouts
- System configuration

## MEASUREMENT (Key Metrics)

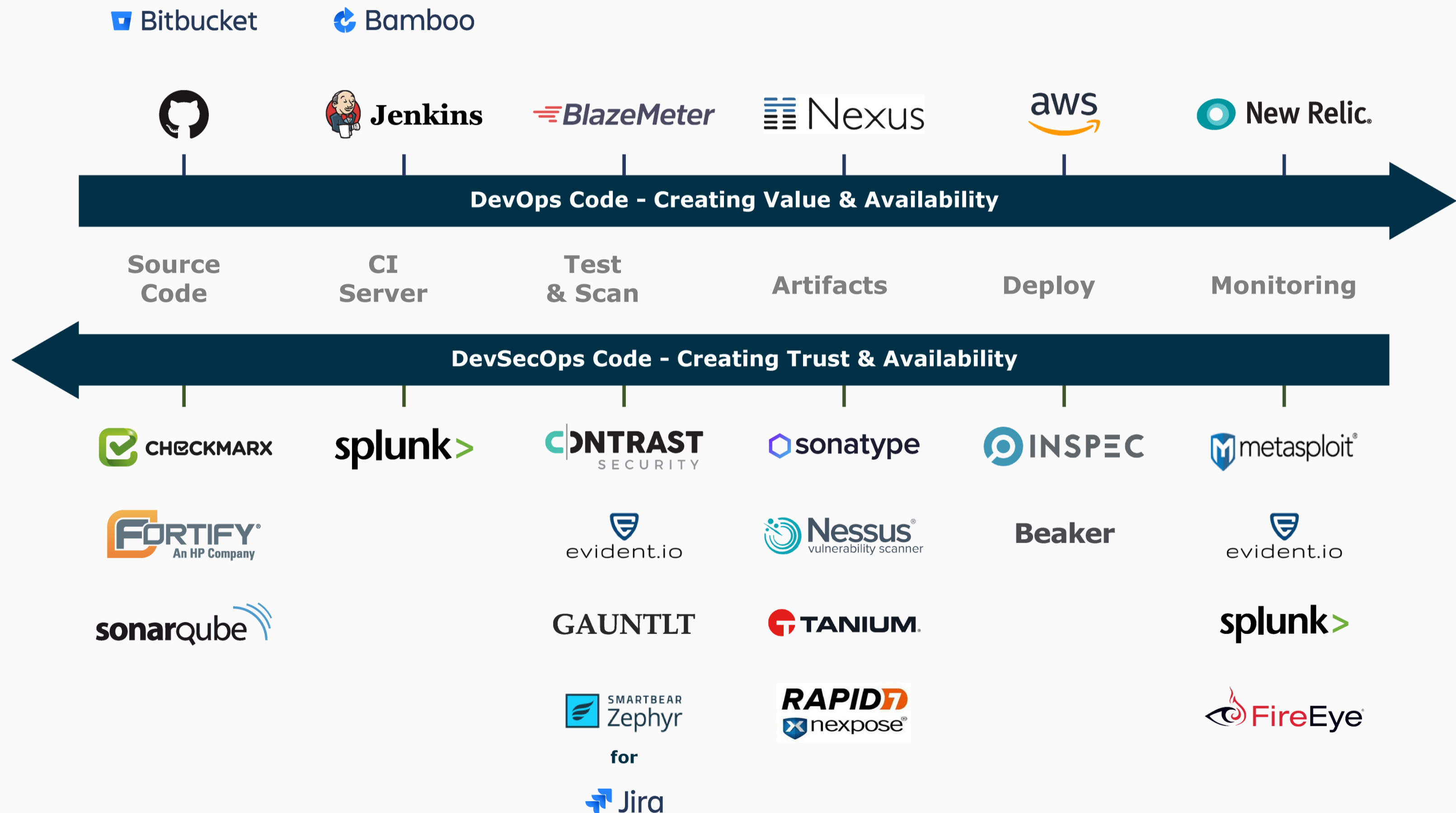
- Frequency of Releases
- Lead Time for Changes
- Mean Time To Resolution
- Application Performance
- Software Quality (bug rates, deployment success rates, incident severity)
- Customer Satisfaction
- Business Success

# DEVSECOPS CAPABILITIES



We provide support on secure software development in accordance with OWASP Top 10 practices.

We boost DevOps implementations by introducing security in earlier stages of application development life cycle with various tools.



## **NLP for TURKISH LANGUAGE**

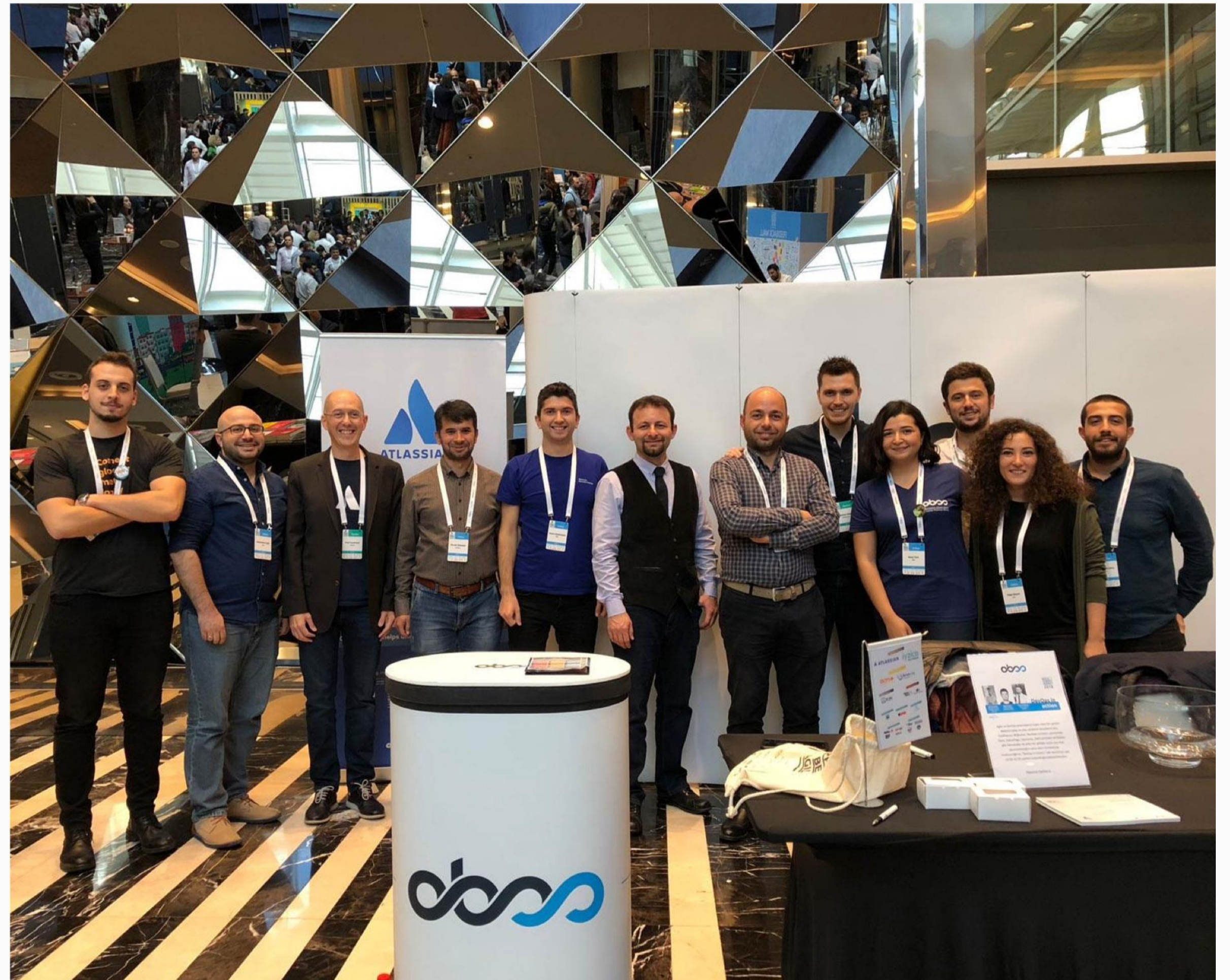
An effort to close the gap between Stanford NLP Library and Turkish Zemberek

## **CRYPTOCURRENCY PRICE FORECASTING**

Prediction of Bitcoin price with combined regression and NLP(information extraction and sentiment analysis) models

## **ENHANCED CHAT-BOT with NLP**

Developing a chat-bot powered by more AI capabilities than a ruled-based one



## **UNMANNED SURFACE VEHICLE**

Developing an autonomous boat that operate on the surface of the water without a crew.  
Crossing the Mediterranean from Turkey to Egypt as an extreme condition test.



## **DIGITALIZING CONVENTIONAL COMMODITY TRADING with BLOCKCHAIN**

Developing several PoCs for digital trading platforms using private blockchain infrastructures including Hyperledger Fabric, Hyperledger Composer and Ethereum

# PRODUCT CAPABILITIES: INTOUCH

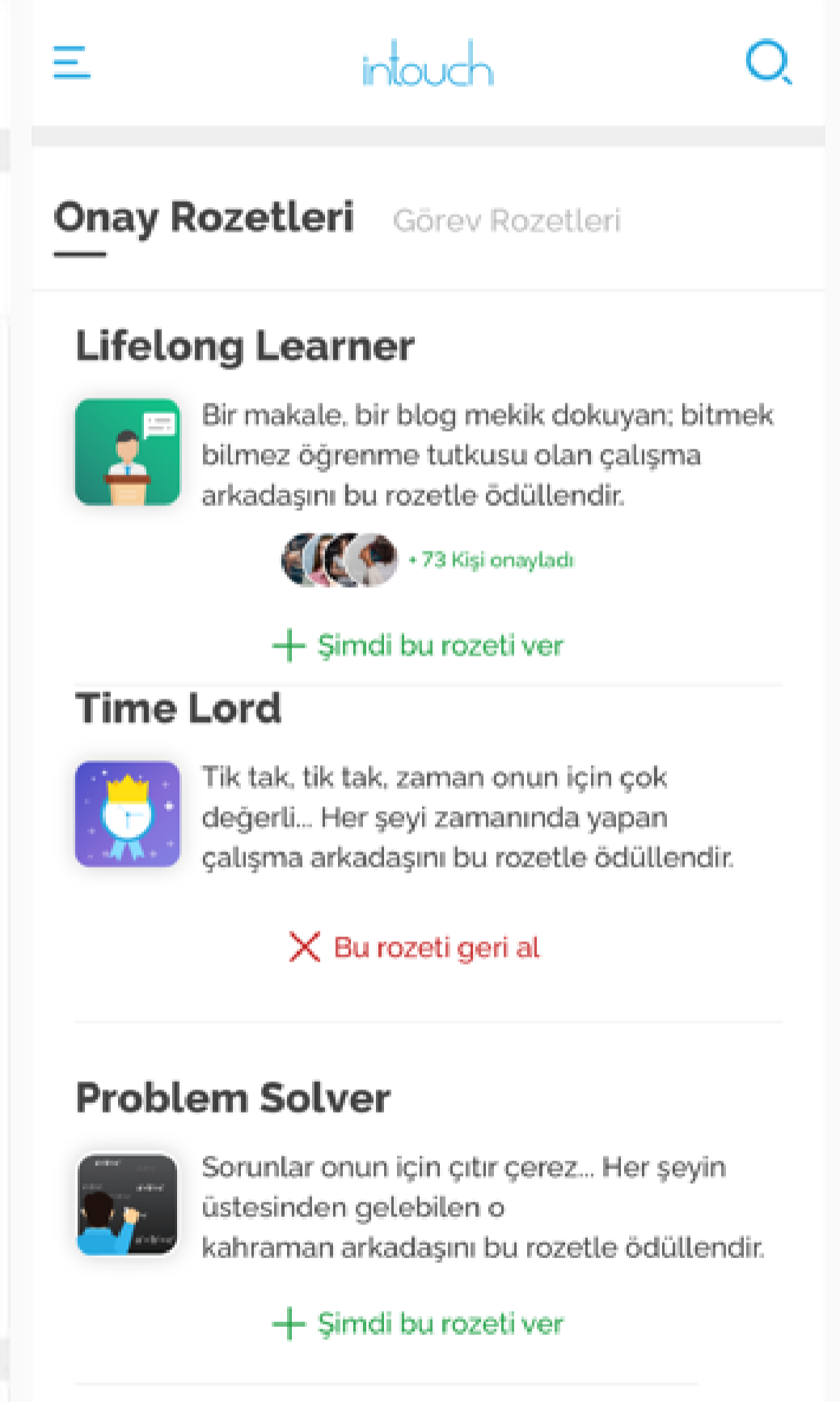


Share memories, photos, videos special moments and success within organization

Enhance the communication in workplaces

Increase the synergy among teams

Keep in touch with employees via mobile application



# PRODUCT CAPABILITIES: PMS



Improving HR Decision Efficiency and Quality

Real-time Management with Employee Participation

Opinion Suggestion Mechanism






Facilitation of Access to Pre- and Post-System Data

Systematic Information and Reminder

Quality Evaluation Process

Mobile Integration

How are you feeling?

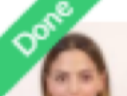
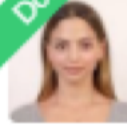




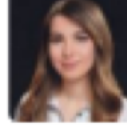








    

BAD POOR OK GOOD GREAT

That is amazing! What is your secret?

Optional answer... Save

Due in an hour

-   **Approve feedback providers for "İpek Nur"**  
4 feedback providers nominated
-   **Approve feedback providers for "Can Durmaz"**  
4 feedback providers nominated
-   **Approve feedback providers for "Furkan Göktürk"**  
4 feedback providers nominated
-  **Approve feedback providers for "Damla Çalışkan"**  
4 feedback providers nominated
  -  Can Durmaz 
  -  İpek Nur 
  -  Furkan Göktürk 
  -  Atif Erbaş 



# REFERENCES



8 of Top  
10 Banks



Top 3  
Insurance  
Companies



Military  
Industry



Sector  
Leaders



