



# TURKISH CONSTRUCTIONAL STEELWORK ASSOCIATION

**TÜRK YAPISAL ÇELİK DERNEĞİ / TURKISH CONSTRUCTIONAL STEELWORK ASSOCIATION**

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# PART-1 TUCSA

## TURKISH CONSTRUCTIONAL STEELWORK ASSOCIATION

### HISTORICAL BACKGROUND

Constructional steelwork industry and universities in Turkey were willing to increase the use of steel by considering that Turkey is a country seriously affected from earthquakes. Therefore, they decided to establishment of the Turkish Constructional Steelwork Association (TUCSA) in 1980s. Prof. Dr. Tevfik Seno Arda from Istanbul Technical University started to join ECCS meetings from 1988, upon the invitation of European Convention for Constructional Steelwork (ECCS).

The process to establish TUCSA was completed in 1992 and TUCSA was officially registered on 20 July 1992 and the association became the member of ECCS from the date of establishment.

Within 30 years from the beginning, TUCSA was developed gradually. The first phase of about 8 years can be defined as the sector awareness and knowledge period. On 17 August and 12 November 1999, the Marmara earthquakes occurred and approximately 17.000 people were died. Next year, ECCS annual meetings were held in Istanbul. September 2020 can be accepted as the start of promotion period which also continued about 8 years.

After Bingöl earthquake dated 1 May 2003, Prof. Yardımcı made a presentation about the earthquake and its results. ECCS EB and then General Assembly decide to support construction of a steel school in Turkey. Consequently, **Tevfik Seno Arda** Highschool was constructed in the province of Kocaeli in 2005-2006 with donations, then three storey, 3.150 m<sup>2</sup> school was transferred to the Ministry of Education as the biggest project of ECCS within the 50 year life of which.

After the global economic crises, TUCSA tried to promote the industry locally and internationally. It is possible to characterize this third stage as the period of public recognition and education. In this period, Constructional Steelwork Training and Research Centre (YAÇEM) was founded as a subsidiary of TUCSA, and TUCSAmark certification system was developed. Then YAÇEM Academy was established to increase the training efforts in coordination with ECCS Academy.

Within this period, president of TUCSA have assumed the following ECCS responsibilities:

#### ECCS Presidents:

17 September 1999 - 15 September 2000	Prof. Dr. Tevfik Seno Arda
18 September 2009 - 24 September 2010	Prof. Dr. Nesrin Yardımcı
09 September 2014 - 17 September 2015	Prof. Dr. Nesrin Yardımcı
12 September 2018 - 15 October 2019	H. Yener Gür'eş

#### ECCS Vice President:

7 September 2021 - 23 September 2022	H. Yener Gür'eş
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#### ECCS Chairman of Promotion Management Board (PMB):

21 September 2012 - 12 September 2018	H. Yener Gür'eş
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Strategy of TUCSA was reviewed and re designed in 2014 which started a new phase that can be defined as Globalisation Period for Turkish Constructional Steelwork industry.

## VISION

**Vision** of TUCSA is;

- To bring all stakeholders of Turkish constructional steelworks sector close together,
- To increase the quality and worldwide recognition of the industry,
- To make Turkish constructional steelwork products and services preferable in the world.

## MISSION

**Mission** of TUCSA is to develop the design and engineering, fabrication and construction of steel structures in accordance with the relevant standards and regulations, to widespread the use of constructional steelwork in Turkey and the region, and to increase sustainability of and to make the Turkish constructional steelworks industry global leader in this field.

## AIMS & TARGETS

- To help steel producers and manufacturers of construction elements made up of various materials in finding solutions for their questions,
- To provide consultancy service to designers and fabricators in this field,
- To make steel construction elements more effective and widespread in Turkey,
- To perform or encourage the fundamental and the applied research in order to improve constructional steelwork technologies in Turkey
- To certify our members' and other organisations' quality and capacity through TUCSAmark certificate,
- To organise domestic and international congress and symposiums, and to issue publications in order to improve dissemination of information,
- To provide training and seminars through the Constructional Steelwork Training and Research Centre in order to improve or update architects, engineers, foremen and qualified workers.
- To organise the encouraging activities such as design awards particularly for students of architecture and civil engineering faculties as well as professionals,
- To present introductory and warm-up seminars in different areas and cities in order to increase the residential use of steel in Turkey.
- To improve relations with other relevant organisations

## ADMINISTRATION

### TUCSA Executive Board

H. Yener GÜR'EŞ	President
Ahmet ŞUYUN	Deputy President
Mustafa DORALP	Vice President
Mehmet KANAT	Vice President
Selami GÜREL	Vice President
Dr. Kağan YEMEZ	Comptroller
Fatih ÖKTEM	Member
Prof. Dr. Ece Ceylan BABA	Member
Mustafa TOLUNAY	Member
Prof. Dr. Erkan ÖZER	Member
Alparslan GÜRE	Member
Sercan BÜYÜKBAYRAM	Member
Prof. Dr. Nuran PİLEHVARİAN	Substitute Member
Doç. Dr. Cüneyt VATANSEVER	Substitute Member
Volkan ŞENKUL	Substitute Member
Ömer GÜZEL	Substitute Member
Uygar SEZİŞER	Substitute Member
İrfan SAYDAR	Substitute Member
Hüseyin YALT	Substitute Member
İlker İBİK	Substitute Member
Bünyamin HALAÇ	Substitute Member
Muhammed MARAŞLI	Substitute Member

### Management Board

H. Yener GÜR'EŞ	President
Prof. Dr. Nesrin YARDIMCI	Chairperson of Academic Board & Coordinator of YAÇEM Academy
Dr. Kağan YEMEZ	Member
Süheyla ÇEBİ KARAHAN	Member
Tevfik Güneş DEMİRLİ	Member
Aydın KULAKSIZ	General Manager / Director of YAÇEM



## **TUCSA Operational Boards and Committees**

Supreme Advisory Board

Academic Board

Honorary Board

Sectoral Advisory Boards

Technical Management Board (TMB) & Technical Committees

Promotion Management Board (PMB) & Promotion and Social Committees

## **TUCSA Officers**

Aydın KULAKSIZ

Director of YAÇEM & CFO TUCSA

Yeşim GÜR'EŞ

Director of TUCSA

Eray Emin AYDEMİR

Editor in Chief

Nuh BULUT

Admin and Account Manager

## **MEMBERS**

TUCSA members consist of 76 companies and institutions (legal entities) 99 academicians and experts (private members), in total 175 members as of 1 May 2022.

TUCSA members are listed in six groups below. Groups 1 thru 4 are company members are also partners of YAÇEM;

### Legal Entities

- Group-1 Steel construction fabricators and contractors
- Group-2 Steel structures consultants and designers
- Group-3 Steel producers and traders
- Group-4 Non-constructive and complementary material manufacturers and service providers
- Associations (NGOs)

### Private members

- Academicians
- Founders and experts

## PART-2

### TUCSA ACTIVITIES

Activities of Turkish Constructional Steelwork Association are achieved under the titles of TUCSA Activities and YAÇEM (Commercial body of TUCSA) Activities. In this part, TUCSA Activities will be mentioned although some activities are supported by YAÇEM.

#### COMMITTEES & WORKING GROUPS

##### Technical Committees

- TK 3 - Fire Safety Committee
- TK 4 - Corrosion and Surface Protection Committee
- TK 7 - Cold-formed Steel Structures Committee
- TK 13 - Earthquake Committee
- TK 14 - Resilience Committee
- TK 21 - Steel Structures Committee
- TK 14 - Green Deal Working Group

##### Promotion and Social Committees

- MK 1 - Publication Committee
- MK 2 – Contest and Awards Committee
- MK 4 – Promotion and Membership Development Committee
- MK 5 - Foreign Trade and Market Development Committee
- MK 7 – Students Affairs Committee

##### TUCSA Involved Mirror Committees

- MTC 2 - Paints and Varnishes Mirror Committee (TK-4)
- MTC 96 - Fire Safety (TK-3)
- MTC 110 - Steel Structures (TK-3, 7, 13, 21)
- MTC 111 - Sustainability (TK-14)
- MTC 143 - Fire Risks Mirror Committee (TK-3)
- MTC 177 - BIM Mirror Committee (TK-14, 21)

**Construction Sector is Transforming.** In order to develop the steelwork industry and not to stay behind of the global competitors, we must catch up high technology, emphasize innovation and R&D, realise the transformation from conventional systems to the industrialised construction products.

TUCSA believes that Turkish construction contractors, as one of the key players in the world, can compete with the global competitors by carrying out reduction of cost and increasing the quality by transformation into environment friendly new technologies. It is assessed that costs may be decreased by using new technologies in the field of construction, such as artificial intelligence (AI), robotics technology, building information modelling (BIM), virtual reality (VR), artificial reality (AR). It will be possible to increase the quality with studies on sustainability (*environmental, economic, social*), passive / zero energy buildings, Industry 4.0 applications, along with issues such as EPD, PEF, and consequently construction industry will be transformed into an industrial construction and furthermore industrial modular building system, which can also be defined as a resilient building system.

Lightweight and modular construction is also important in terms of increasing the exports of our construction sector. Thus, approximately 2/3 of the cost of high value-added

buildings will be collected at the time of export, and the risk of construction abroad will be minimized.

**National Database for Sustainability of Steel.** Sustainability awareness is increasing all over the world, including our country. Despite being one of the most important advantages of steel, there is a need to explain the advantages sustainability, those are not known enough. Sometimes, it is wrongly claimed that steel is not environmentally friendly ignoring the recycling of steel and referring to the energy consumed during production only.

TUCSA Sustainability Committee started to work on “National Database for Sustainability of Steel” on 24 May 2017. It is considered that the creation of a national database will provide support to various fields including today’s green deal targets.

### **Works on Standards, Regulations and Specifications**

1. TUCSA started to work and request relevant governmental bodies to publish a **Regulation on the Design, Calculation and Construction Principles of Steel Structures** in December 2006. As a result of TUCSA requests, the Regulation drafted by expert academicians from ITU and METU, was published by the Ministry of Environment and Urbanism on February 4, 2016, and updated on February 15, 2018.

2. In line with the proposal made by the TUCSA in 2011, Light Gauge Steel Structures and Steel and Reinforced Concrete Composite Structures and Wooden Structures sections were established within the scope of Turkey Building Earthquake Code 2018.

3. In parallel with continuous initiatives of TUCSA since December 2006, the Ministry of Environment and Urbanization, the General Directorate of Professional Services requested TUCSA to draft the Regulation on the Design, Calculation and Construction Principles of Cold-formed Steel Structures. TUCSA TK7 Light Gauge and Modular Structures Committee is working on the draft.

4. Under the coordination of the TUCSA Fire Safety Committee, the Structural Fire Safety Working Group which we formed within Turkey IMSAD, continues to update the Regulation on the Protection of Buildings from Fire. TUCSA is consulting with Istanbul Metropolitan Municipality Fire Brigade Department as necessary.

## **RELATIONS WITH PUBLIC AUTHORITIES**

### **Ministry of Environment, Urbanism and Climate Change**

TUCSA has relations with the ministry especially related to the regulations, specifications. Some representatives have participated in TUCSA activities such as conferences and workshops.

### **Ministry of Industry and Technology**

TUCSA is a member of the Metal Industry Technical Committee (Metal-Tek) affiliated to the Ministry of Industry and Technology, General Directorate of Industry, Metal Industry Department with the communiqué published in the Official Gazette dated 9 October 2019.

TUCSA performed Green Deal Workshop on 30 September 2021, in coordination with the Ministry of Industry and Technology and with the participation of the Minister Mustafa Varank.

Works on Green Deal and 2030 Steel Strategy is continuing. Within this context; TUCSA representatives are participating in “Steel Industry Expertise Working Group” led by the ministry and “Technological Transformation / Development Expertise WG” led by TUBITAK.

### **Ministry of Culture and Tourism**

TUCSA is in touch with the Corporation and Coordination Agency (TİKA) under the Ministry of Culture and Tourism in order to support its projects in other countries.

### **Ministry of Education**

After Bingöl Earthquake, TUCSA constructed “Tevfik Seno Arda Highschool” building in steel with the support of European Convention for Constructional Steelwork in İzmit, Kocaeli, then the building was handed over to the ministry in 2006.

After Van earthquake occurred in October 2011, TUCSA provided design support and consultancy to the ministry upon request.

### **Disaster and Emergency Management Presidency**

Earthquake Regulations are prepared and updated by the Disaster and Emergency Management Presidency. TUCSA involved in to the update works since 2011 by proposing to add three sections on “Light Gauge Steel Buildings”, “Composite Buildings” and “Timber Structures”. They have been included.

Precautionary proposals about avalanche bridges and forest fire have been submitted to the presidency and Ministry of Interior.

### **General Directorate of Highways**

TUCSA coordinates particularly international bridge symposiums and steel bridges designs competitions with Turkish General Directorate of Highways. In addition, we are providing some seminars and consultancy for bridges and tunnels.

### **Istanbul Project Coordination Unit (IPCU)**

TUCSA is coordinating with the IPCU, subsidiary of İstanbul Governorship, mainly for steel structures.

### **Local Administrations**

TUCSA is in touch with different departments of Istanbul Metropolitan Ministry (İBB) to provide training and consultancy about steel structures and fire safety. TUCSA also participate in workshops particularly on earthquake.

## **PROMOTION**

To promote steel structures in Turkey and industry stakeholders abroad, TUCSA realises congress, seminars, publications, student activities, design contests and awards. In addition TUCSA establishes relations with various related Chamber, universities and NGOs as much as possible.

### **Constructional Steelwork Days**

It is organised in every autumn since 2000. Therefore, the 23<sup>rd</sup> Constructional Steelwork Day in November 2022.

### **Workshops**

TUCSA organised workshops for Cold-formed Steel Structures, in order to discuss seismic resistance of light gauge steel structures and to develop it before proposing an amendment for Earthquake Regulation.

As it was mentioned under the title of **Ministry of Industry and Technology** above, Green Deal Workshop was held on 30 September 2021, which was organized by TUCSA in coordination with the ministry.

Complementary events are being planned for green deal matters.

### **International Conference and Symposiums**

To the date, the following international activities have been organized by TUCSA;

1. International Conference on Steel Structures of the 2000s
2. International Symposium on Steel Structures 2010: Culture & Sustainability
3. Steel Road Summit 2011
4. 8<sup>th</sup> International Symposium on Steel Bridges 2015: Innovation & New Challenges (SBIC 2015) and European Steel Design Awards (ESDA 2015) Ceremony
5. International Symposium on Corrosion and Surface Protection for Steel (CASP 2019)
6. 2<sup>nd</sup> International Conference on Corrosion and Surface Protection for Steel (CASP 2022) (25-26 May 2022)
7. 10<sup>th</sup> International Symposium on Steel Bridges for a Green Planet (SBIS 2022) and 6<sup>th</sup> European Steel Bridge Awards (ESBA 2022) Ceremony (21-22 September 2022)

The planned international congresses are;

1. International Conference on Steel Structures: Sustainability and Circular Economy 2023 (25-26 October 2023)
2. 3<sup>rd</sup> International Conference on Corrosion and Surface Protection for Steel (CASP 2024) (29-30 May 2024)

### **Publications and Social Medias**

#### **Periodical Publications**



TUCSA, as publisher, publishes Çelik Yapılar (Steel Structures) magazine since March 2001. It was quarterly magazine for 20 years, after June 2020 it is published as bimonthly magazine. In total, the Steel Structures magazine has been publishing for 22 years. Printed and digital versions are reaching more than 60 thousand readers by targeting 100 thousand readers. Its language is Turkish, but there is a summary section in English at the end of each issue.



#### **Technical Publication, Proceedings and Seminar / Course Notes**

TUCSA technical and training books are also published as needed and prepared by the relevant technical committees or YAÇEM Academy. The book of “Yapı Çeliği İşleri Teknik Şartnamesi (Steelwork Specifications) was prepared upon the task given by the Ministry of Environment and Urbanising in 2007.



## Websites & Social Media

TUCSA and YAÇEM have different websites: [www.tucsa.org](http://www.tucsa.org), [www.yacem.com.tr](http://www.yacem.com.tr), <https://casppconferences.com>, <https://tucsaevents.org>, <http://steelpro.org>. In addition, <https://sbis.tucsaevents.org>, <https://tucsamark.tucsa.org>, <http://yacem.com.tr/gencel/> are active for certain events and/or activities. By using LinkedIn, instagram, twitter and facebook, digital version of magazines and news are reaching more than 60.000 readers.

## STUDENT ACTIVITIES & CONTESTS

### Activities for Students

To make university students more familiar with steel structure, to develop networking among students from different universities, TUCSA established Steel Structures Student Club (ÇELYÖK) in 2006. Later on, young architects and civil engineers also needed to be organized to meet with the experienced architects and engineers working in industry, to develop networking to find new jobs, to find replies to questions in their minds. Therefore, ÇELYÖK was converted to Young Steel Users Society (GENÇEL) to cover young architects and civil engineers.

Technical tours to steel producing mills, steel construction factories, sites and laboratories have been organized.

Steel Design Student Contests are organized every year since 2004. Awards Ceremony for the 19<sup>th</sup> Contest (SteelPRO 2022) will be held in November 2022.

To organize all these activities, and provide more benefit for students, TUCSA established Student Affairs Committee (ÖİK) in 2020. ÖİK is working on TUCSA Summer School Project.

### Contests

TUCSA organises National Steel Design Awards every even years and National Steel Bridge Awards every odd years in parallel with European Steel Design Awards (ESDA) and European Steel Bridge Awards (ESBA) organized by European Convention for Constructional Steelwork (ECCS). TUCSA submit the selected steel design projects by the jury to ECCS to participate in ESDA. On the other year, TUCSA send the steel bridges projects achieved by Turkish companies to ECCS to join the ESDA competition.

In addition to the above mentioned national awards, TUCSA organizes SteelPRO contests as explained above. Winners of SteelPRO may be sent to ECCS to take part in ESDA Student contest every second year.

# PART-3 YAÇEM

## CONSTRUCTIONAL STEELWORK TRAINING AND RESEARCH CENTRE

### HISTORICAL BACKGROUND

TUCSA established its commercial subsidiary organisation, namely Constructional Steelwork Training and Research Centre (YAÇEM) in 2003 in order to achieve various aims and works of TUCSA such as promotion, certification, training and research. Quality of the companies related the constructional steelwork value chain has the first priority for TUCSA. Therefore, first action of YAÇEM was to activate TUCSAmark Constructional Steelwork Quality Certification system in parallel with the international certification systems. YAÇEM has been certifying the stakeholders of the steelwork industry, also including four groups of members since 2003. Then YAÇEM was organised to comply with four main functions stated in its mission.

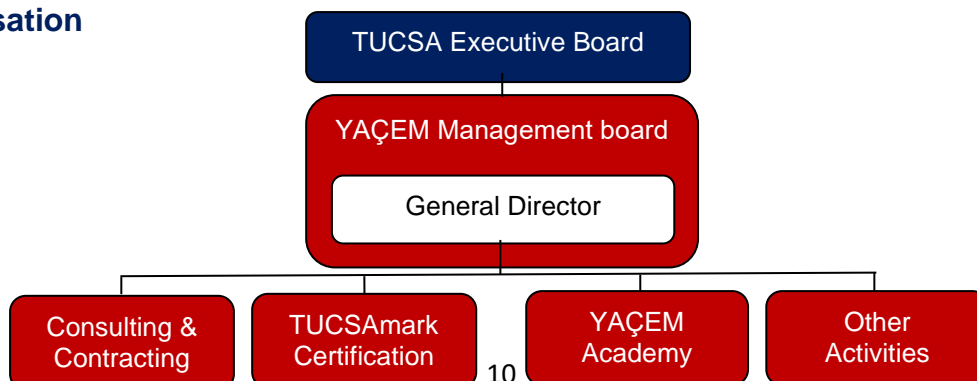
### MISSION

Mission of YAÇEM is

- To certify sector players to determine their qualification to increase quality and sustainability of the Turkish constructional steelworks industry, by TUCSAmark Certification department,
- To provide courses, seminars and trainings for constructional steelwork related architects, engineers and technicians in order to develop the design and engineering, fabrication and construction of steel structures in accordance with the relevant standards and regulations, by YAÇEM Academy.
- To develop consulting and contracting business in Turkey and abroad, based on the capabilities of TUCSA members and partners in order to make the Turkish constructional steelworks industry global leader in this field, by YAÇEM Consulting & Contracting department,
- To promote steelworks in Turkey and the region in order to widespread the use of constructional steelwork,
- To support sector players by providing consultancy and various services.

### ADMINISTRATION

#### Organisation



## **YAÇEM Operational Management Group**

Chairman	H. Yener GÜR'EŞ
General Manager of YAÇEM	Aydın KULAKSIZ
YAÇEM Academy Coordinator	Prof. Dr. Nesrin YARDIMCI
YAÇEM Trainings Coordinator	Ş. Denizer GÜR'EŞ
TUCSAmak Certification Coordinator	İlker İBİK
YAÇEM Consulting Coordinator	Prof. Dr. Nesrin YARDIMCI
YAÇEM Contracting Coordinators	Muammer UYSAL

## **PART-4**

### **YAÇEM ACTIVITIES**

Constructional Steelwork Training and Research Centre (YAÇEM) organizes the following activities in support of TUCSA as stated at Part-3.

- TUCSAmak Qualification Certification,
- YAÇEM Academy,
- Consulting & contracting,
- Other commercial activities.

#### **TUCSAmak QUALIFICATION CERTIFICATION**

YAÇEM's TUCSAmak Certification Department certifies qualification of its members and companies related to constructional steelworks. TUCSAmak Certification Program includes the following qualification certificates for different fields;



- TUCSAmak Steel Construction Fabrication Qualification Certificate
- TUCSAmak Steel Construction Contractor Qualification Certificate
- TUCSAmak Steel Construction Design Qualification Certificate
- TUCSAmak Steel Construction Producer Qualification Certificate
- TUCSAmak Steel Protective Paint and Coating Qualification Certificate for Paint Shops
- TUCSAmak Steel Protective Paint and Coating Qualification Certificate for Field Application

TUCSAmak Certification Program includes also the following qualification reports;

- TUCSAmak Proof Engineering
- TUCSAmak Structures Performance Analysis
- TUCSAmak Fire Safety Performance Analysis
- TUCSAmak Capacity Report for Steel Construction Workshops
- TUCSAmak Preliminary Qualification Certificate for Tender Participants

#### **YAÇEM ACADEMY**

Courses and seminars given by YAÇEM Academy organized as theoretical courses and applied courses, of which trainers consist of TUCSA Academic Board members, academicians, experts and ECCS Academy trainers / authors. YAÇEM Academy organises courses in the following two groups;

## **Progress and Orientation Courses for Architects, Engineers and Equivalentents**



## **Training Courses for Technicians and Workers**

### **Planned Courses**

The planned phase to phase courses are achieved in Istanbul in normal circumstances. Dates and fares of courses are announced in advance.

“Participation Certificates” are provided for attendees of the courses without examination. For the courses with examination, successful attendees receive “Success Certificates”. “Participation Certificates” for unsuccessful attendees or ones who do not take the examination are provided.

Most of the planned courses are given in Turkish, some courses are in English.

### **Invited Courses**

In addition to the planned courses, some courses including soft skill seminars can be achieved at the factory / offices of the requesting firm / organisation.

## **CONSULTING AND CONTRACTING**

According to the volume of works, YAÇEM may be contractor or a joint venture shareholder, in coordination with its partners. YAÇEM partners may involve into tenders together with YAÇEM, according to the volume of works as necessary. For some project, the role of YAÇEM may be project management and coordination of other partners even if it may not be pilot company of joint venture, as well as quality assurance.

Particularly consulting and contracting business, YAÇEM works in coordination with TUCA members principally. In addition to the TUCSA members mentioned above, YAÇEM may work with other expert companies and organisation for special projects.

YAÇEM Consulting & Contracting Department work in two sections: Consulting section and contracting section.

### **Consulting Section**

TUCSA Academic Board chaired by Prof. Dr. YARDIMCI has 80 academican and expert members in its body. YAÇEM Consulting Section fulfilled the following activities in coordination with the Academic Board.

**Project Management.** YAÇEM performs project managements mainly for construction projects, from decision process up to the completion of the project.

**Feasibility and Survey.** YAÇEM prepares feasibility and survey reports for certain investments not only for constructional steelwork, but also some other industrial branches such as steel production, food industry, sport facilities, smart cities etc.

**Proof Engineering.** YAÇEM controls and proofs structural designs including seismic and structural fire safety engineering.

**Consultancy.** YAÇEM has a pool of consultants who are of know-how for different fields. Within this context, consultancies can be provided on the following group of topics;

- Establishment of steel construction factories, service centres, protective coating workshops, logistics depots, sport facilities, etc.
- Quality assurance and quality control systems.
- Active & passive fire protection and performance analysis.

### **Contracting Section**

Contracting Section was established in 2005 in order to construct a steel high school in Izmit, Turkey in place of an old school building heavily damaged during the Marmara Earthquake in 1999. Then, the section has been developed to support the Turkish law related to “The transformation of areas under the risk of disaster” which is called as “urban transformation” briefly, which was validated in 2012.

The Consulting and Contracting department is able to use assets of TUCSA members and partners. Within this context, activities of YAÇEM Contracting Section include the followings;

#### **Consultancy, Design and Engineering**

Turkish companies can provide consultancy, design and engineering services for the project which include steel structures. These services may be for steel superstructures including residential, industrial and commercial buildings, and infrastructures such as bridges, railroads, communication, pipelines.

#### **Construction Material Supply**

YAÇEM may provide various kind of steel for the projects by using TUCSA member steel producers’ channels including rails for railroad constructions. In addition, YAÇEM may provide all the required best quality construction products for Turkey and abroad by using Turkey IMSAD members’ capabilities.

#### **Fabrication**

TUCSA members manufacture steel structure elements in accordance with the relevant standards. In addition, they produce cold-formed steel buildings. TUCSA members are exporting above mentioned steel structures and modular structures to about 100 countries.

#### **Erection / Construction**

YAÇEM Contracting Department acts as contractor from erection to turn-key projects for residential, industrial and commercial buildings including airports and sports facilities, and infrastructure projects including bridges, railroads, communication systems, petrochemical facilities, etc. All above mentioned works are conducted with the support of TUCSA member companies and partners those have conducted similar projects as general contractor in different countries.

## OTHER COMMERCIAL ACTIVITIES

### Book Store (TUCSA Kitabevi)

The publications of TUCSA and ECCS are sold by YAÇEM Book Store. In addition, The Book Store registers subscribers for “Çelik Yapılar” (Steel Structures) bimonthly Magazine published by TUCSA and “Steel Construction Design and Research” magazine published by Ernst & Sohn in coordination with ECCS. The books can be purchased through e-trade on the website.

### Legal Support Services

- Arbitration Service
- Expert Assessments / Opinion
- Expertness

### Promotion and Advertisement Services

- Advertisements at Publications and Website
- Sponsorships

### Publications

#### **Çelik Yapılar (Steel Structures) Bimonthly Magazine (Since 2001)**



#### **Technical Publication, Proceedings and Seminar / Course Notes**

All publications mentioned above and in Part-2 can be purchased through e-trade on the website, except sold-out ones.

## PART- 5 CONTACTS

### Turkish Constructional Steelwork Association Türk Yapısal Çelik Derneği (TUCSA)

Address: Altunizade Mah. Bayramağa Sok.  
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WhatsApp: +90 542 288 9677 (Director of TUCSA)

Email: [tucsa@tucsa.org](mailto:tucsa@tucsa.org) [yacem@yacem.com.tr](mailto:yacem@yacem.com.tr)

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