European Steel Design Awards 2015

Outstanding design in steel construction emphasizes the many advantages of steel in construction, production, economy and architecture. The European Steel Design Awards are given by the European Convention for Constructional Steelwork (ECCS) every two years to encourage the creative and outstanding use of steel in architecture and construction.

Steel offers new solutions and opportunities, allowing architects and engineers to stretch their imagination and actually create some of the challenging structures. Structural steel is low cost, strength, durability, design flexibility, adaptability, recyclability and sustainability making it the material of choice in building construction. Within the European Steel Design Awards, the most outstanding European projects can be evaluated and brought to a larger, international audience – throughout their publication and the distinction of their creators and mentors.

The awards are therefore dedicated to the owner, the architects, the engineers and the steelwork contractor of one outstanding national project per member country in order to esteem their collaboration and the excellence of their work. The national member evaluated the submitted projects within a professional jury and selected one as the national winner of ECCS Design Award 2015. ECCS approved these entries according to the criteria and Award Regulations.

The International Jury:

Nesrin YARDÍMCI, Full Professor of Civil Engineering, ECCS and TUCSA President, Véronique DEHAN, ECCS Secretary General, Lasse KILVAER, Chairman of Awards and Architecture Committee, representing PMB, Harun BATIRBAYGIL, Head of Department, Faculty of Engineering and Architecture, Istanbul, Turkey, Nuran Kara PILEHVARIAN, Architect, Istanbul, Turkey, Kari Nissen BRODTKORB, Architect, International Jury representative, Norway.

While national winners were awarded during the Ceremony, ECCS presented Award of Excellence to the best three projects among the national winners in different categories. Awards of Excellence winners were announced during the ceremony.

The European Convention for Constructional Steelwork has the pleasure to present the following projects for ECCS Steel Design Awards 2015.

European Student Awards 2015

The Student Awards for Steel Design are a subcategory of European Steel Design Awards. The objective is to give European recognition to outstanding student projects in architectural design using structural steel as a prominent architectural feature. The rules are similar to the Steel Design Awards.

Publication

The ECCS Steel Design Awards 2015 as well as the student awards are published on ECCS website: www.steelconstruct.com (see > Steel Architecture > Design Awards).

The photographical material is copyright-free for press-release and publication referring to ECCS Steel Design Awards (no advertising). The describing texts are authorised by the national jury and can be used within the publication. For further information, please contact the national Association (see contact project).

Awards Ceremony

The 2015 Award winning projects of 13 European countries were presented to an international audience within the European Steel Design Awards Ceremony in Istanbul on September 15th, 2015. Further information and pictures: <u>www.steelconstruct.com</u> and <u>www.sbic2015.org</u>.

Press-Release: Véronique Dehan | ECCS General Secretary

Awards of Excellence

Bridge category: CZECH REPUBLIC



Name	Troja Bridge
Location	Prague (CZ)
Client/Owner	The City of Prague (CZ)
Architects	Roman Koucky Architektonicka Kancelar s.r.o. (CZ)
Engineers	EXCON a.s (CZ)
Steelwork	Metrostav a.s.(CZ)

Press contact CAOK - Czech Constructional Steelwork Association | janda@caok.cz

Jury Citation: Prague's Troja Bridge is an impressive achievement that blurs the boundary between architecture and engineering. The arch bridge hangs from a dense network of staves, a known basic concept, excellently executed in design and detail. The structure shows steel's versatility in the truss-bearing arch, combined with the spin-web type hangers in four planes, which enables the low hanging, slim arch. The beautiful design is developed to suit the construction process, and it carries the heavy loads of tramways, cars, and pedestrians in the heart of Prague. The bridge promotes the qualities of steel by its visible slender structure and elegance. The effectual lighting accentuates the expressive form. The jury was especially pleased with the integration of expressive design and modern industrial artisanship. Troja Bridge is like a sculpture, and a beautiful addition to the city of Prague.

Commercial category: FRANCE



Name	The Canopy, La Canopée des Halles
Location	Paris (F)
Client	SEMPARISEINE (F)
Architects	Patrick Berger and Jacques Anziutti (F) conception architecturale :Patrick Berger

Engineers INGEROP (F)

General Contractor Vinci Constructions

Steelwork FAYAT METAL: Castel and Fromaget (F), VIRY(F), ACML(F), BARBOT(F)

Press contact SCMF – Syndicat de la Construction Métallique de France | jlgauliard@scmf.com.fr

Jury Citation: The Canopy in Paris is an impressive example of new design and the reuse of existing structures. The area of Des Halles, which had fallen to disrepair and become a dead area in the middle of the city, has been resurrected by stripping the old buildings and uniting them with a brand new double curved, drooping roofing structure. The ground level is also opened up and stabilized by massive steel trusses. The move is economically and ecologically sustainable, in the in-situ reuse of load bearing steel structures, and socially sustainable, in the upgrade of the neighborhood. The jury found the structure interesting and innovative, and the concept interesting. The precise, exposed structure works as instrument of learning about steel construction. A special study into fire engineering was made to prevent the chance of collapse. The design is both classical and modern, with a nice game of transparency, and the elegant forms suits the city of Paris perfectly.

Public and Cultural category: PORTUGAL



Name Arena Amazonia

- Location Manaus, Estado do Amazonas, Brazil
- Client Governo do Estado do Amazonas
- Architects GMP Design e Projectos do Brasil Ltda
- Engineers Schlaich Bergermann und Partner (D)
- **Contractors** Andrade e Gutierrez

Steelwork Martifer Construções Metálicas, Lda

Press contact CMM - Portuguese Steelwork Association | ana.silva@cmm.pt

Jury Citation: The Arena Amazon in Manaus, Brazil, is a distinctive and recognizable design. The Arena was built for the 2014 World Cup and accommodates 44 500 people. The structure combines the façade and roof in a gesture that recalls the design of an Amazonian basket. Although deep in the Brazilian Amazon, the Arena has a strong European connection. Two German companies developed the project, and the steelwork contractor is Portuguese Martifer. The diagonally arranged, cantilevering steel box girders, creates a pattern of immediate recognition. It is obvious that the structure is an answer to, and thus supports and strengthen, the architectural idea. The form and construction is self-supporting and stable after the short erection stage. The Incorporated secondary steel structure carries a translucent membrane cladding. The loadbearing steel lattice structure is expressed beautifully and accentuated by the night-time illumination of the membranes, creating a certain atmosphere. The Arena Amazon is a perfect example of the malleability and cantilevering abilities of steel, and a local monument.

Awards of Merit

1. AUSTRIA



Central Railway Station - Diamond Shaped Roof, Vienna

Location	Vienna (A)
Client	ÖBB Infrastruktur AG, Vienna (A)
Architects	ARGE (A)
Engineers	ARGE (A)
Steelwork	Unger Stahlbau Ges.m.b.H. (A)
Press contact	ÖSTV – Österreichischer Stahlbauverband georg.matzner@fmmi.at

2. DENMARK



Odense Foot and Cycle Bridge, Odense

Location	Odense (DK)
Client	Odense Municipality (DK)
Architects	Gottlieb Paludan Architects (DK)
Engineers	ES Consult (DK)
Steelwork	Bladt Industries (DK)
Press contact	Danish Steel Institute/ jorn.nielsen@steelinfo.dk

3. GERMANY



Sundsvall E4 Bridge, Sweden

Location	Sundsvall, Sweden
Client	Trafikverket (SE)
Architects	Rundquist Arkitekter AB (SE)
Engineers	Max Bögl Stahl- und Anlagenbau GmbH & Co. KG (DE)
	ISC Consulting Engineers A/S (DK)
Contractor	Max Bögl Stahl- und Anlagenbau GmbH & Co. KG (DE)
Steelwork	Max Bögl Stahl –und Anlagenbau GmbH &Co. KG (DE)
	Strabag Wasserbau GmbH (DE)
Press contact	Bauforumstahl e.V. Torsten. Zimmermann@bauforumstahl.de

4. HUNGARY



Renewal of Szolnok Railway Bridge, Szolnok

Location	Tisza River, Szolnok (H)
Client	NIF ZRt. (H)
Architects	FA'mterv ZRt. (H)
Engineers	Közgép Zrt. (H)
Steelwork	KOZGEP Zrt. (H)
Press contact	MAGESZ - Hungarian Steel Association Idunai@epito.bme.hu kvarnai@ce-os.eu

5. ITALY



Aquae Exposition Pavillion, Mestre

Location	Mestre, Italy
Client	Finanziaria Int. Investments Società di Gestione del Rispiarmo S.p.A
Architects	Architetto Michele De Lucchi Srl (I)
Engineers	F&M Ingegneria SpA (I)
Steelwork	OMBA Impianti & Engineering S.p.A. (I)
Press contact	UNICMI – National Union of Metal Construction isa.zangrando@unicmi.it

6. LUXEMBOURG



Office Building KPMG, Luxembourg

Location	Kirchberg, Luxembourg
Client	Office Building KPMG (L)
Architects	Valentiny Architects (L)
Engineers	InCA Ingénieurs Conseils Associés SARL (L)
	Jean Schmit Engineering (L)
Steelwork	Victor Buyck Steel Construction NV (B)
Press contact	FEDIL STEELCONSTRUCTION, Chantal. Hubsch@fedil.lu

7. NETHERLANDS



New Rotterdam Central Station, Rotterdam

Location	Rotterdam (NL)
Client	City Rotterdam (NL)
Architects	Benthel Crouwel Architekten (NL)
Steelwork	lemants N.V. (B)
Engineers	ARCADIS (NL)
Main contracto	or Ballast Nedam (NL)
Press contact	SNS - Samenwerkende Nederlandse Staalbouw vasquez@staalbouw.net

8. NORWAY



DNB HOUSE A, Oslo

Location	Oslo, Norway
Client	Oslo S Utvikling
Architects	MVRDV with DARK
Engineers	Finnmap & Multiconsult
Steelwork	RUUKKI Construction
Press contact	NSA – Norsk Stålforbund lasse@stalforbund.com

9. SWEDEN



Aula Medica, Solna, Stockholm

Location	Solna, Stockholm, Sweden
Client	Akademiska Hus (S)
Architects	Wingardh arkitektkontor (S)
Engineers	COWI (S)
Steelwork	Normek (S)
Press contact	SBI – Stalbyggnadsinstitutet lars@sbi.se

10. TURKEY



KAYALAR CHEMICALS Administration and R&D Building, Tuzla/Istanbul

Location	Tuzla, Istanbul, Turkey
Client	Kayalar Chemicals Industry and Trade Co.Inc.
Architects	UMO Architecture Engineering Contracting and Consulting Co.
Engineers	Celik Yapi Design Fabrication Erection Industry and Trade
Steelwork	TABOSAN Engineering Fabrication Erection Co.Inc.
Press contact	TUCSA – Turk Yapisal Celik Dernegi berna@tucsa.org

Students Awards





TURMTÄNZER [CLIMBING AT THE HARBOUR OF MÜNSTER]

Location	Münster, Germany
Students	Lea-Anna Zora, Anne-Sophie Weißhuhn
Professor	Prof. DiplIng. Johannes Schilling, msa Münster school of architecture
Press contact	Bauforumstahl e.V. Torsten. Zimmermann@bauforumstahl.de

2. ITALY



A new cycle track and footpath along the banks of the Arno in Pisa: from history to design

Location	Pisa (IT)
Project owner	Municipality of Pisa (ITALY)
Student	Dr. Ing. Filippo Ulivieri (Capraia e Limite (FI) - ITALY) ulivierifilippo@gmail.com
Professor	Prof. ing. Pietro Croce, prof. arch. Pietro Ruschi, dr. ing. Daniele Pellegrini
Institution	Università degli Studi di Pisa, Facoltà di Ingegneria
Press contact	UNICMI – National Union of Metal Construction <u>isa.zangrando@unicmi.it</u>

3. NETHERLANDS



High Strength steel, a slimming product?

Project owner	Ing. G. (Gerwin) Schut / G. (Gerwin) Schut BSc gerwin.schut@outlook.com
Professor / Institution	Education Hogeschool Utrecht: Mr. Olaf Verschuren
Structural Concept	Platform roof and alternative new design using possibilities high strength steel (Research project)
Company	Movares (Utrecht): Mr. Mark van der Heijde
Press contact	SNS – Samenwerkende Nederlandse Staalbouw vasquez@staalbouw.net

4. NORWAY



Through the Forest of Columns

Location	Bergen, Norway
Architect	Gudrun Jona Arinbjarnardottir gudrunjonaa@gmail.com
Press contact	NSA – Norsk Stålforbund lasse@stalforbund.com

5. TURKEY



Modular disaster dwells

Location	Ercis, Van, TURKEY
Students	Senol Keskin Bogazici University
	Burcak Sonmez, Oguzhan Aydin, Sinan Tuncer, Yucel Demir Yıldız Technical University
Press contact	TUCSA – Turk Yapisal Celik Dernegi na@na