



European Steel Design Awards 2021

Steel is recognized for its high potential in terms of strength, durability, design flexibility, adaptability, recyclability and reusability. Today's steel structures allow the best adaptation to modern life and renovation of historical elements of our built environment, being in cities or countryside. Steel is also the perfect material for reaching a circular economy while leaving the necessary room for creativity in design.

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. The awards are dedicated to the owners, the architects, the engineers, the general contractors and the steelwork contractors.

ECCS is the European Association of Steelwork Contractors, the unique platform gathering steel producers, contractors, researchers and academics. ECCS is a federation of 18 national associations of steelwork contractors.

The Professional and International Jury meeting was held online on **3rd June 2021** and counted with:

Bernhard HAUKE, Germany, Chairman of Promotional Management Board of ECCS and Chairman of the Jury

Annamarie HAGOORT, The Netherlands, Chairwoman of AC4 Architectural Awards Committee

Christine LENOUY, France, Secretary General of Le Syndicat de la Construction Métallique de France

Jacques FERRIER, France, Architect, Ferrier Marchetti Studio, Paris

Mitsu EDWARDS, France, Engineer, Eckersley O'Callaghan design office, Paris

Aris CHATZIDAKIS, Greece, President of the European Council for Civil Engineers

Véronique DEHAN, Belgium, Secretary General of ECCS

The European Steel Design Awards 2021 have been selected out of 23 projects submitted in total by the ECCS member associations. The overall winner ESDA 2021 Laureate, a ESDA 2021 Special Bridge Award as well as the ESDA 2021 Public Award will be chosen out of those nominees and announced in early autumn 2021.

European Steel Design Awards 2021 and nominees for the ESDA 2021 Laureate are (by country alphabetical order):

Austria: KTM Motohall, Mattighofen

Circumferential, cantilevering metal bands and its visible steel sub-structure open the solid building to celebrate motorcycles. This pure and precise hot dip galvanized steel structure is an appropriate solution to this symbolic façade of lightness and transparency.

Owner:

Mattighofen Museums-
Immobilien GmbH

Engineer:

Unger Stahlbau
Ges.m.b.H.

Werkraum Ingenieure ZT
GmbH

Architect:

Hofbauer Liebmann
Wimmesberger
Architekten

ZT GmbH

X ARCHITEKTEN ZT
GmbH

Mag. arch. Peter
Wimmesberger

Steelwork contractor:

Unger Stahlbau
Ges.m.b.H.



©Unger Stahlbau Ges.m.b.H.+ Werkraum Ingenieure ZT GmbH

Belgium: IMEC Parking Building, Leuven

This seemingly simple and aesthetic structure shows an honest industrial style and thus creates identity and image. It is a remarkable example how car parks can be done beautifully in a classic design but with optimised floor design and modern means of steel construction.



©Infosteel vzw

Owner:

IMEC & KU
Leuven

Architect:

Stéphane Beel
Architects

Engineer:

SWECO
Belgium

General

Contractor:

Cordeel Zetel
Hoeselt

Steel contractor:

C-Metal

Czech Republic: Dragons – the largest jewel and lighting, Saipan

The tradition of Chinese Dragons has been stretched to a new dimension of monumental lightness. A creative and optimal truss structure perfectly hides behind Bohemian crystal. Structural engineering which reminds of watchmaking in precision and detail manufacturing.

Owner:

LASVIT s.r.o

Engineer:

EXCON, a.s

Architect:

LASVIT s.r.o.

General Contractor:

LASVIT s.r.o.,

Steelwork contractor:

EXCON, a.s



©EXCON a.s + T. Kolder, LASVIT s.r.o

Denmark: Camp Adventure Forest Tower, Rønnede

The beautiful tower enables exiting experiences tone in tone with nature. Its mathematical hyperbolic shape, optimised by parametric design, employs eco-friendly weathering steel tubes of appropriate trunk dimensions. What a natural and lovely combination of steel and timber.



©Camp Adventure, EFFEKT Architects
and COAST Studio

Owner:

Camp Adventure

Engineer:

Arup

Architect:

EFFEKT

General Contractor:

Levi Jensen

Steelwork contractor:

JVP STEEL POLAND Sp z o.o,

Finland: Kuusijärvi Bridge, Vantaa

The bridge melts like a big horizontal tree into the Nordic landscape, reaching with its branches to the ground. Those piles resemble a group of trees themselves. With a natural form, eco-friendly weathering steel and easy deconstruction or recyclability it respects fragile nature.

Owner:

City Of Vantaa

Engineer:

WSP Finland Oy

Architect:

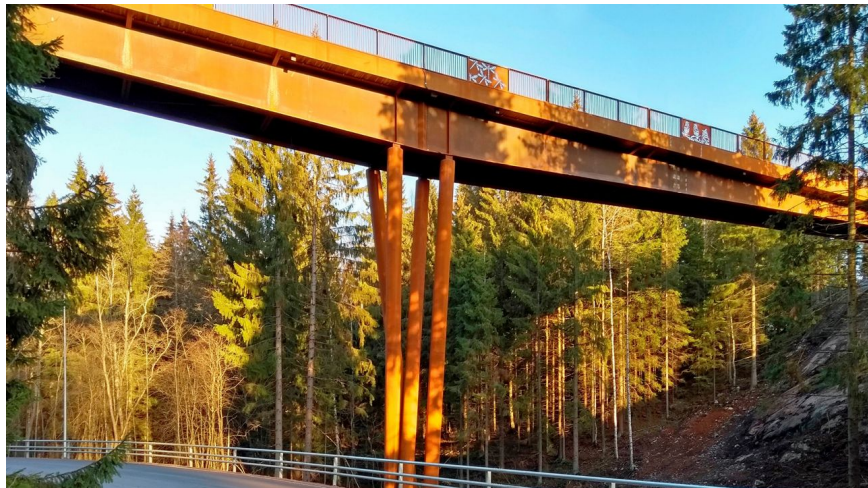
WSP Finland Oy

General Contractor:

Destia Oy

Steelwork contractor:

Normek Oy



©Destia Oy, Mikael Song/ WSP Finland Oy, Sami Niemelä

France: Passerelle Coty, Puteaux

Passerelle Coty establishes with Simone de Beauvoir and Léopold-Sédar-Senghor a family of wavy footbridges. Familiar but unique, bridging the Seine but lingering along the river and enabling moments of very urban public leisure are the qualities of the new Puteaux watermark.



© AEI Agence - © Nicolas Du Pasquier Photographe

Owner:

Ville de Puteaux

Engineer:

Cordia

Architect:

AEI Agence

Co-Contractor:

Vinci Construction France

Steelwork contractor:

Viry - Fayat Group

Germany: Elbbrücken Train Stations, Hamburg

This impressive steel-class ensemble of subway and local train stations nicely dialogs with neighbouring old Elbe bridges. The inviting manifest of urban steel and lightness celebrates loving detailing and parametric variation of modernity.

Owner:

Hamburger
Hochbahn AG

Engineer:

schlaich
bergemann
partner (sbp)

Architect:

GMP - von
Gerkan, Marg und
Partner

Steelwork contractor:

SEH Engineering,
Hannover



©Elisa Peppel PR & Communications, gmp · Architekten von Gerkan, Marg und Partner

Norway: Hurtigruten Museum: Protective building for MS Finnmarken, Stokmarknes

The steel and glass construction encases the historic MS Finnmarken ship as striking centre piece of the Hurtigruten Museum. Such a transparent and filigree shelter is the result of contemporary means of advanced structural design and high-end steel construction pushing the possible to the sky.



©Kjetil Myhre, Norsk Stålforbund

Owner:

Vernebygg AS

Engineer:

Multiconsult
Norge AS

Architect:

LINK Arkitektur
AS

General
Contractor:

Peab – Bjørn
Bygg

Steelwork
contractor:

Imtas Prosjekt
AS

Portugal: Geneva International Airport – East wing

The simple and robust exoskeleton structure beautifully braces the rhomboid shape whilst the inclination naturally shades the façade. This steel-like technical building with pretty connections and detailing creates an appropriate meccano feeling.

Owner:

Aéroport
International de
Genève

Engineer:

Ingérop & T-
Ingénierie SA

Architect:

Rogers Stirk
Harbour +
Partners,
London /
Jacques Bugna
SA, Geneva

General

Contractor:

HRS Real
Estate SA

Steelwork contractor:

MARTIFER –
Construções
Metalomecânic
as, S.A.



©Genève Aéroport - RBI | Rogers Stirk Harbour+Partners

Sweden: Bridge over Varnan, Kristinehamn

This origami-style sculpture beautifully contributes to the landscape bridging the river. The very appropriate use of weathering steel and the integrated design accomplish this folded master piece of a footbridge.



©Henrik Rundquist, Rundquist arkitekter ab

Owner:

Municipality of Kristinehamn

Engineer:

Structor Bro och anläggning
Malmö AB

Architect:

& Rundquist, Stockholm

General Contractor:

NCC Örebro

Steelwork contractor:

Stål och Rörmontage AB

Switzerland: Italian Bridge over the River Plessur, Chur

The filigree bridge structure fits the urban landscape well, is technically challenging and very lovingly detailed. This brilliant solution of elegance and lightness feels as if it always has been there, making the life of pedestrians and bikers not only easier but also beautiful.

Owner:

City of Chur

Engineer:

Bänziger Partner
AG

Architect:

Bänziger Partner
AG

General Contractor:

Crestageo AG
Mettler Prader AG

Steelwork contractor:

Toscano Stahlbau
AG
Jörimann Stahl
AG
Schneider
Stahlbau AG



©Thomas Jaeger, Bänziger Partner AG

The Netherlands: Schuttebusbrug, Zwolle

The elegant S-shape, metallic painting of the main beam and bamboo cladding of the deck add a playful aspect to a busy urban space. What looks so wavy elegant and light requires extraordinary engineering skills to design and build for heavy traffic loads.



© Photo; ipv Delft / Henk Snaterse

Owner:

Zwolle
Municipality

Engineer:

BAM
Infraconsult
Setzpfand
Beratende
Ingenieure

Architect:

ipv Delft

General

Contractor:

BAM Infra

Steelwork

contractor:

Victor Buyck
Steel
Construction

Turkey: Canakkale Antenna Tower, Canakkale

This iconic antenna tower resembles an artistic vision rather than an indispensable industrial structure. With impressive slenderness in a seismic area and appropriate weathering steels it brings elegance to the Southern sky.

Owner:

Ministry of Transport

Engineer:

INTAC Construction
Engineering

Architect:

IND
[inter.national.design]

General Contractor:

Çanakkale Special
Provincial Administration

Steelwork contractor:

Cakir Construction



©Yeşim Gür'eş, TUCSA

The Awards Ceremony for the European Steel Design Awards 2021

Exceptionally this year, the European Steel Design Awards 2021 ceremonies have been held locally by each ECCS National Association, e.g. on their National Steel Day. However, the Laureate, the Special Bridge Award will rewarded in Brussels on 1st October 2021.

The winning projects will be published on the ECCS website: www.steelconstruct.com. ECCS *Steel Construction* journal will also publish a special issue on ESDA 2021.

The material may be used for press-information and publications referring to ECCS European Steel Awards 2021. Copyrights of photos must be mentioned, however. Please always include also the ESDA-2021 logo. Any form of advertising is excluded.

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