

STÅLBYGGNAD



Troja Bridge, Prague

- Inför Stålbyggnadsdagen
- EN 1090-1
- Fästelement
- Stålsandwichelement
- FEM-Design



La Canopée, Paris



Arena Amazonia, Manaus

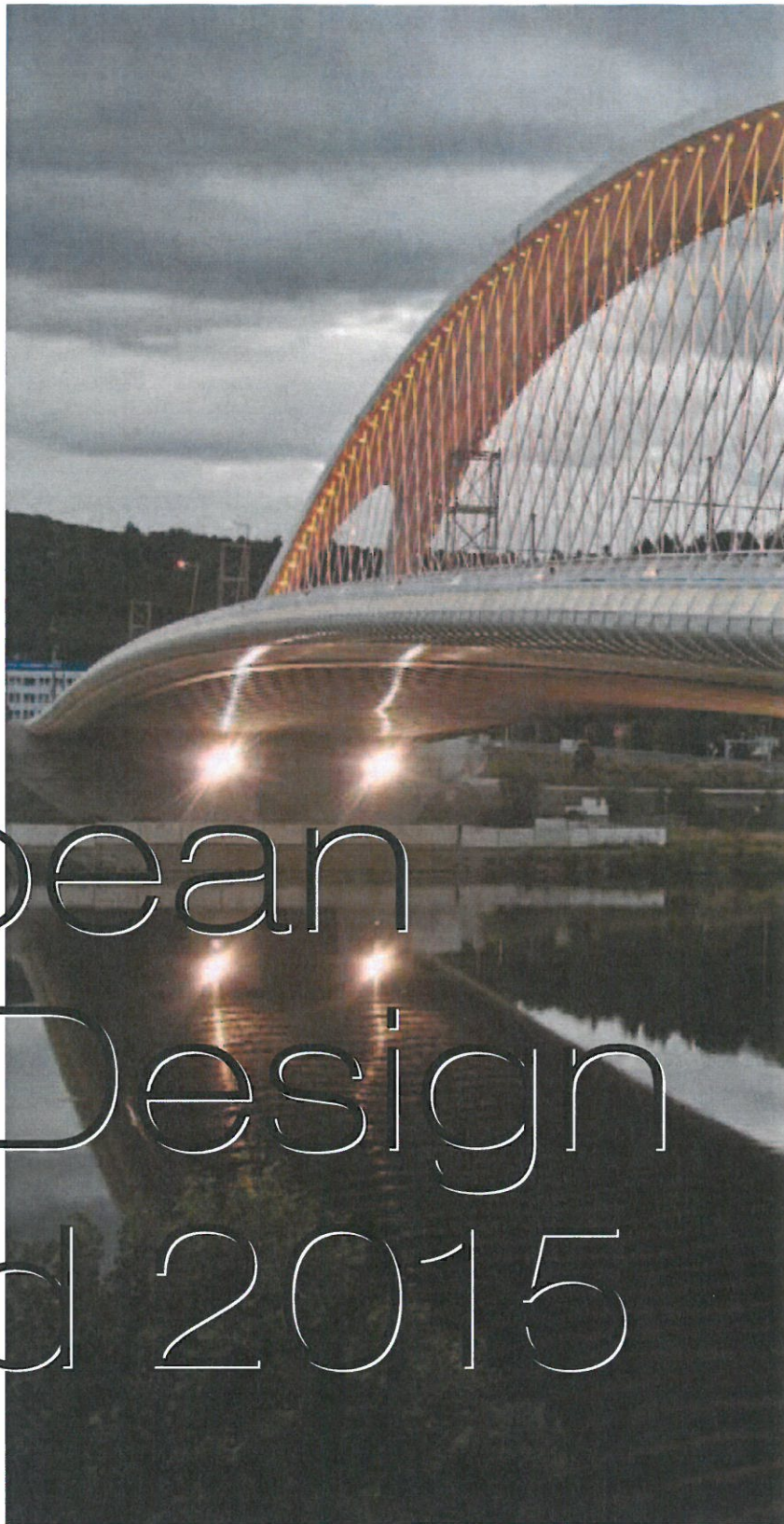
Outstanding design in steel construction emphasizes the many advantages of steel in construction, production, economy and architecture. The European Steel Design Awards are given by ECCS – the European Convention for Constructional Steelwork – every two years to encourage the creative and outstanding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

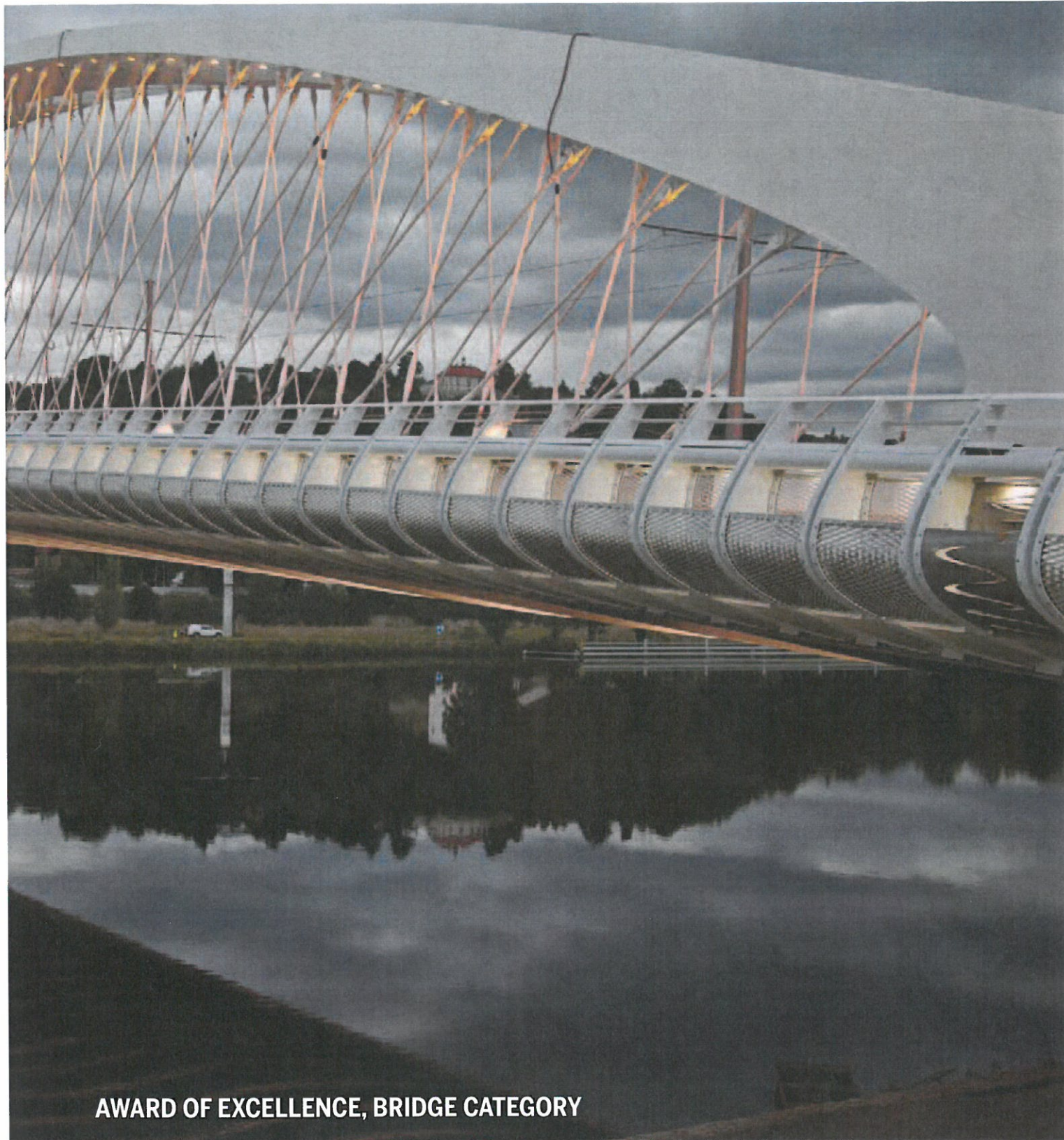
European Steel Design Award 2015

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.

Awards Ceremony

The Steel Design Award Ceremony in Istanbul is the highlight of the 60th Anniversary of ECCS. The projects are a celebration of steel in architecture designed by some of the world's leading practitioners and constructed by steelwork contractors who are able to show steel in its many functional forms. We are pleased to invite you to celebrate these projects, saluting the works of the National and International Juries, whose task was not always an easy one and to congratulate all the winners very warmly. ■





AWARD OF EXCELLENCE, BRIDGE CATEGORY

CZECH REPUBLIC – Troja Bridge, Prague, Czech Republic

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



Tramway deck of the Troja Bridge.

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. ■

FACTS

Client: The City of Prague

Architects: Mott MacDonald and
Koucky Architects

Engineers: EXCON

Steelwork: Metrostav



The Troja Bridge crosses the river Vltava.



The Troja Bridge during construction.



The raising of the arch during construction.



Steelwork is by Metrostav.