

# CABLE-STAYED ROOFS



FREYSSINET



# Freyssinet cable-stayed roofs

Simple or complex, cable-stayed roofs are always innovative, light and attractive. They are the crowning glory of a project...

Its signature.

Freyssinet is known all over the world for the boldness, technical complexity and overall quality of its cable-stayed structures. Our specialists are here to work with your team to find the optimum solution to meet your project requirements.

*Cover photograph: BC Place Stadium, Canada*

## Freyssinet

*Freyssinet offers integrated technical solutions in two major fields: construction and structural repair, under the Foreva® label.*

*Freyssinet is involved in numerous projects across five continents, making it the world leader in its specialist areas of:*

- prestressing,
- cable-stayed structures,
- construction methods,
- structural accessories,
- structural repair and reinforcement, and
- structural maintenance.

*These activities are performed on a wide range of structures, including civil engineering structures, buildings, skyscrapers, industrial installations, power production plants, offshore platforms, transport and sporting infrastructure, and more.*

*For more information, visit: [www.freyssinet.com](http://www.freyssinet.com)*

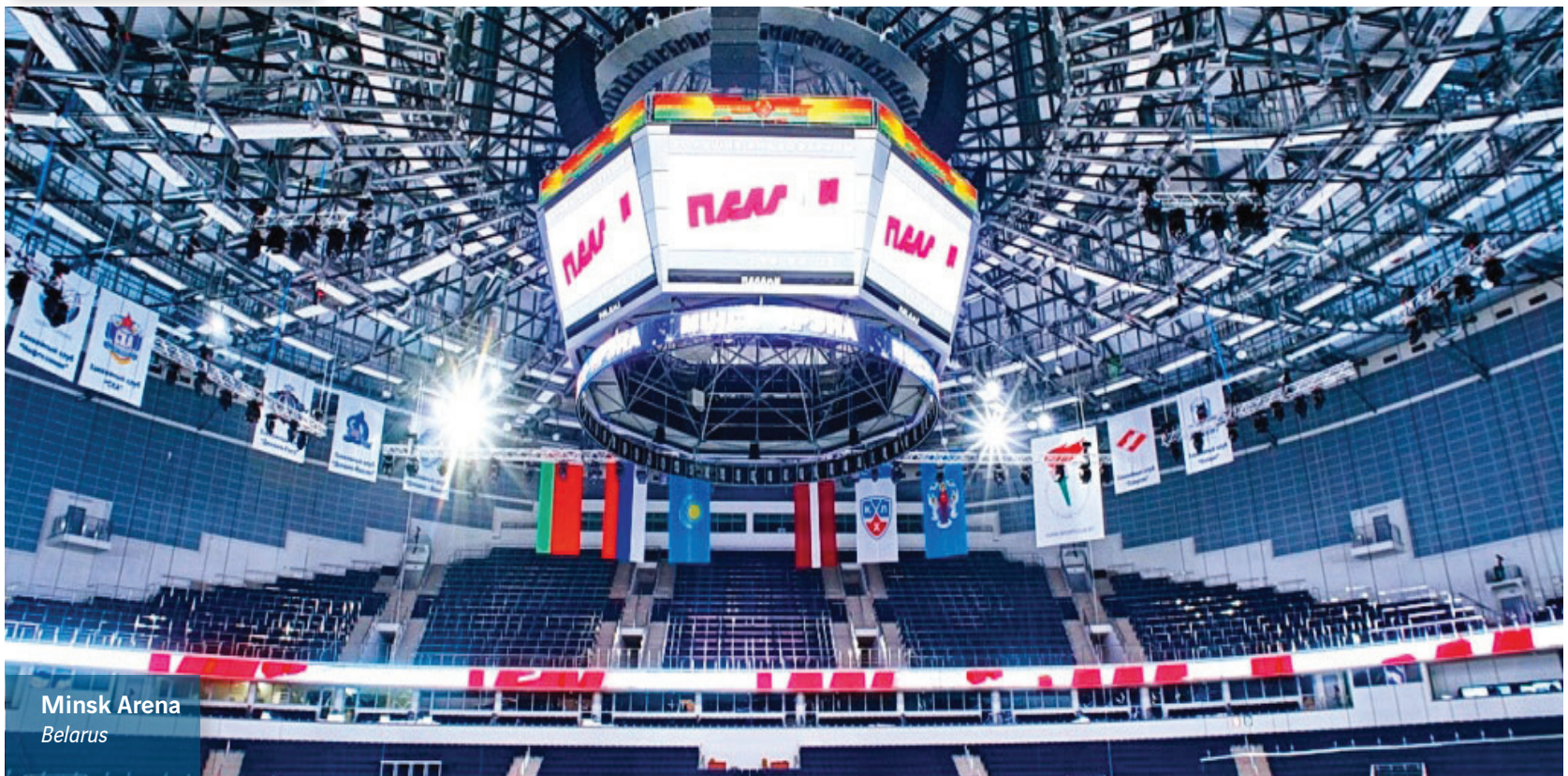


# FREYSSINET





Sporting Club Stadium  
Portugal



Minsk Arena  
Belarus









## Cable-stayed roof of the BC Place Stadium

*Canada*

For this project, Freyssinet supplied and installed nearly 2,000 tonnes of cables alongside the installation of 18,000 tonnes of new structural steelwork.

For nine months, the team worked to install over 700 locked-coil cables between 18 and 125 mm in diameter, and 72 Freyssinet H2000 75-unit stay cables. For the first time, the stay cables were installed with moulded clevis mountings at the ends, replacing the locked-coil cables initially envisaged.

Jacking operations also took place on the structural steelwork, requiring the use of a 1,100-tonne mobile crane working inside the stadium.





**Sydney Olympic Superdome**  
*Australia*



**Dr S.P. Mukherjee Stadium**  
*India*



*Find out more*



**Cardiff Millennium Stadium**  
*United Kingdom*





Mashhad Stadium  
Iran





Find out more

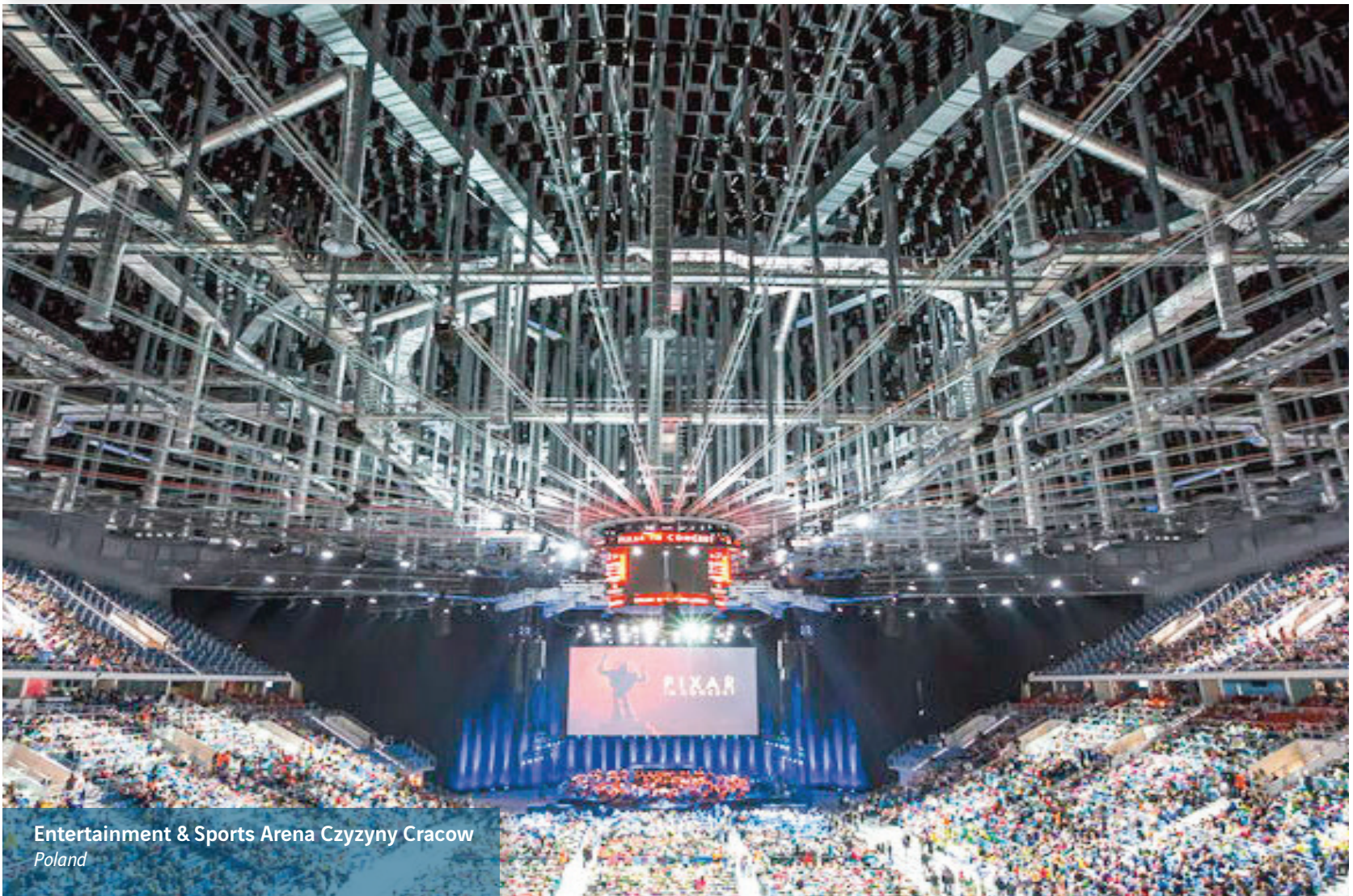


Vodafone Arena  
Turkey





Krylatskoye Sports Complex and Ice Arena  
*Russia*



Entertainment & Sports Arena Czystyny Cracow  
*Poland*





**Cable-stayed roof for Puy du Fou Stadium**  
*France*

The team at Freyssinet France built a canopy over the Puy du Fou Gallo-Roman stadium. It consists of a cable-stayed structure supporting retractable sails covering the stadium terraces.

The principle: a suspended structure with a central ring in tension and an outer ring in compression, linked by radial cables.









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