

The background of the slide is a close-up, low-angle shot of a corrugated metal roof. The ridges of the roof run diagonally from the bottom left towards the top right, creating a strong sense of perspective. The lighting is soft, highlighting the metallic texture and the repeating pattern of the roof's structure. The sky above the roofline is a clear, pale blue.

SUNGLASS

SUNGLASS Industry s.r.l.
Villafranca, Italy

SUNGLASS Industry s.r.l.
facts and figures

SUNGLASS Industry srl

Facts & figures

SUNGLASS stands for:

hot bent insulating and safety glass up to 12 meters in premium quality

Founded	1984
Employees	70
Located	Villafranca Padovana, Italy
Total factory area	26.000qm (12.000qm indoor)
Divisions	façades, maritime sector and railway sector
Executive Directors	Giuseppe Bergamin, Bernhard Veh



SUNGLASS Industry s.r.l.
skills and capabilities

skills and capabilities

Glass processing up to 3.2 x 6m

Cutting

Edging

CNC: milling and drilling

working center, automatic cutting line,
drilling platform



skills and capabilities

Tempering

8 tempering furnaces (max. 3.6 x 5m)

1 heatsoak-chamber (max. 2.5 x 4.6m)



skills and capabilities

Gravity bending

3 tempering furnaces (max. 3.3 x 11.5m)



skills and capabilities

Chemical toughening

Largest chemical dip tank (max. 5 x 2.6m)



skills and capabilities

Lamination

2 autoclaves (max. 3.3 x 12.5m)

3 clean rooms



skills and capabilities

Ceramic screen printing

1 printing line (max. 1.35 x 2.45m)



skills and capabilities

Laboratory

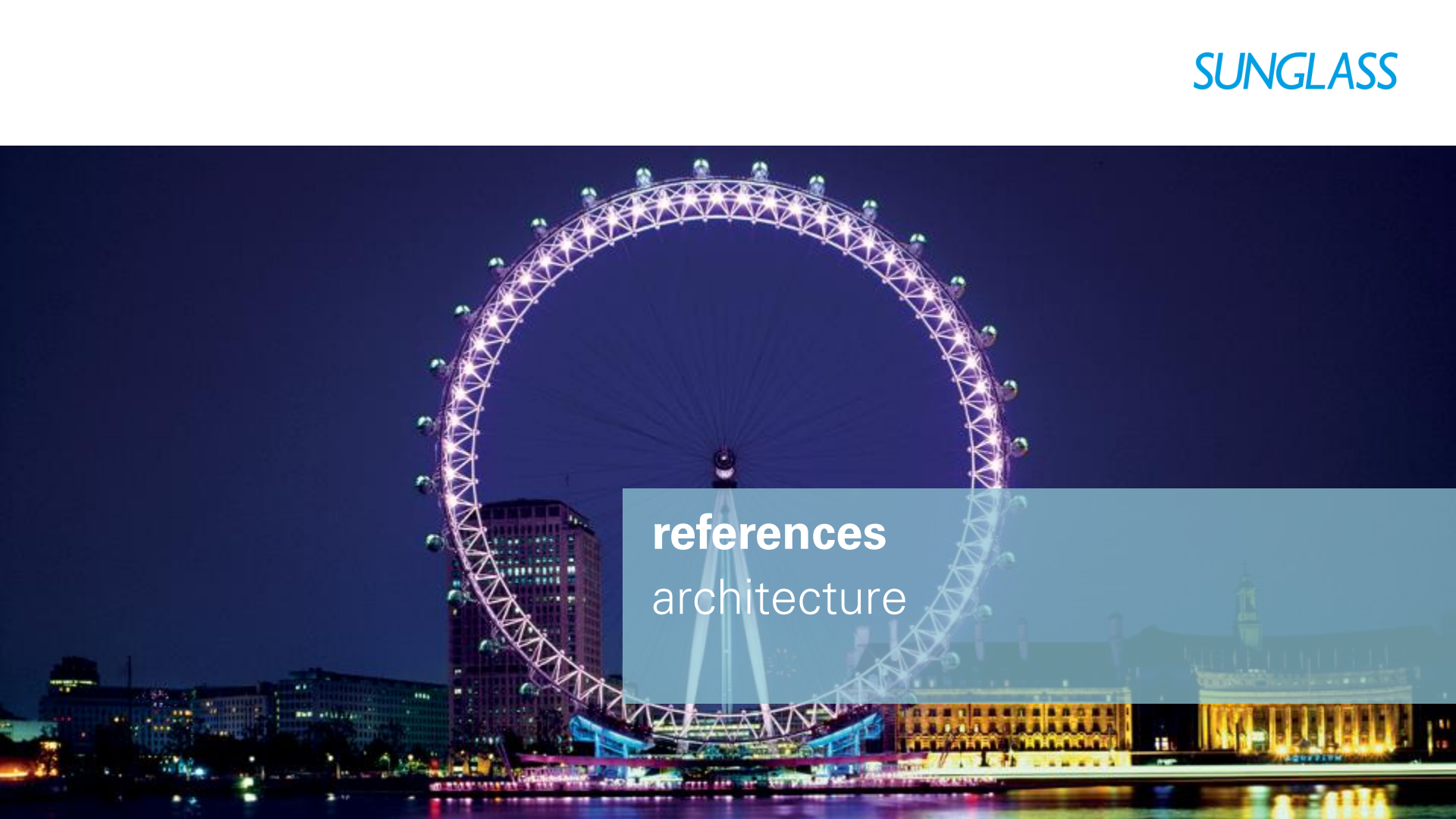
Research and testing laboratory



hot bending	length	width	thickness	bending shape	Rmin.*	max. bending depth	bending angle
gravity curved glass	11,500 mm / 452 in	3,300 mm / 130 in	2–19 mm / $\frac{5}{64}$ – $\frac{3}{4}$ in	cylindrical, conical, spherical, toric, j shape, double bend and irregular bend			
tempered curved glass	2,440 mm / 53 in	1,570 mm / 62 in	4–8 mm / $\frac{5}{32}$ – $\frac{5}{16}$	cylindrical	1,000		90°
	4,800 mm / 189 in	2,440 mm / 96 in	6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in	cylindrical	1,500		90°
	2,440 mm / 53 in	4,250 mm / 130 in	6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in	cylindrical	2,500		90°
	3,000 mm / 118 in	1,500 mm / 59 in	5–10 mm / $\frac{1}{8}$ – $\frac{25}{32}$	cylindrical	650		105°
	2,500 mm / 59 in	1,200 mm / 47 in	5–8 mm / $\frac{1}{8}$ – $\frac{5}{16}$	j shape	350		90°
	5,000 mm / 197 in	3,200 mm / 126 in	6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in	cylindrical and j shape	1,500		90°
	3,300 mm / 130 in	3,600 mm / 142 in	6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in	cylindrical	1,500		90°
	3,300 mm / 130 in	2,500 mm / 59 in	6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in	cylindrical	900		90°
	6,500 mm / 256 in	3,600 mm / 142 in	6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in	cylindrical	2,000		
	6,500 mm / 256 in	3,600 mm / 142 in	6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in	double-bending		x = 400 mm / 16 in y = 800 mm / 35 in	

*All Rmin. details are dependent on the glass width, length and thickness.

Insulating glass unit	max. length	max. width	thickness/ unit	max. weight	standard	structure	step
	20,000 mm 787 in	3,510 mm 138 in	102 mm 4 in	450 kg /lm 992 lbs /lm	DIN EN 1279-5	double to quadruple glazing	max. 700 mm max. 27 ½ in
finishing	low-e coating, solar control coating, with laminated safety glass, sound insulation interlayer, colored glass, colored interlayer, roller-coater printing, digital printing and decorative coating (up to 18,000 mm)						
hot bent IGU	11,500 mm 452 in	3,300 mm 130 in					
chemically toughened	max. length	max. width	thickness	max. depth			
	4,900 mm / 193 in	2,400 mm / 94 in	2 – 19 mm / ¾ – ¾ in	1,120 mm / 44 in			

A night-time photograph of the London Eye, a large Ferris wheel, illuminated with purple lights. The wheel is set against a dark blue sky. In the background, the city of London is visible with various buildings and lights. The River Thames is in the foreground, reflecting the lights. A semi-transparent blue rectangle is overlaid on the right side of the image, containing the text 'references' and 'architecture' in white.

references
architecture

Swiss – Re Zürich , Switzerland

Architect: Diener & Diener



Sporting d'Hiver, Monaco

Architect: Rogers Stirk Harbour + Partners



Salesforce Tower, San Francisco

Architect: Pelli Clarke Pelli



Grappa Nardini – Vincenza

Architect: Massimiliano and Doriana Fuksas



Palazzo Pirelli – Milan

Architect: Gio Ponti and Pier Luigi Nervi



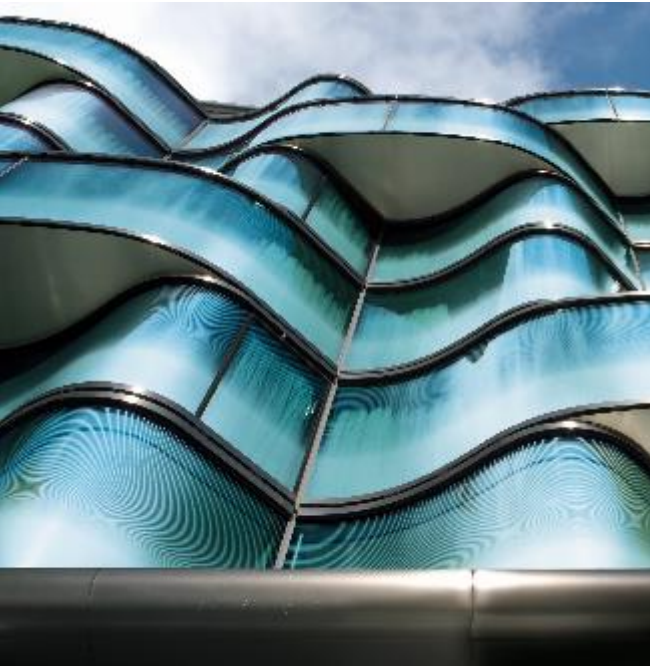
Louis Vuitton Fondation – Paris

Architect: Gehry Partners



Renaissance Wagram Hotel – Paris

Architect: Atelier Christian de Portzamparc



61 Oxford Street – London

Architect: Allford Hall Monaghan Morris



Aros Museum of Modern Art – Aarhus

Architect: Olafur Eliasson

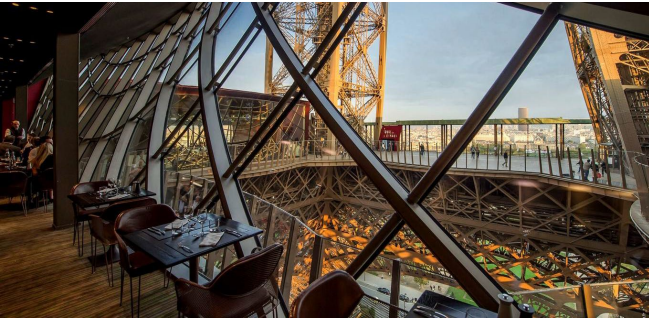


Musée du Vin – Bordeaux

Architect: Agence XTU



58 Tour Eiffel – Paris



MAS Museum – Antwerpen

Architect: Willem Jan Neutelings and Michiel Riedijk



Elbphilharmonie – Hamburg

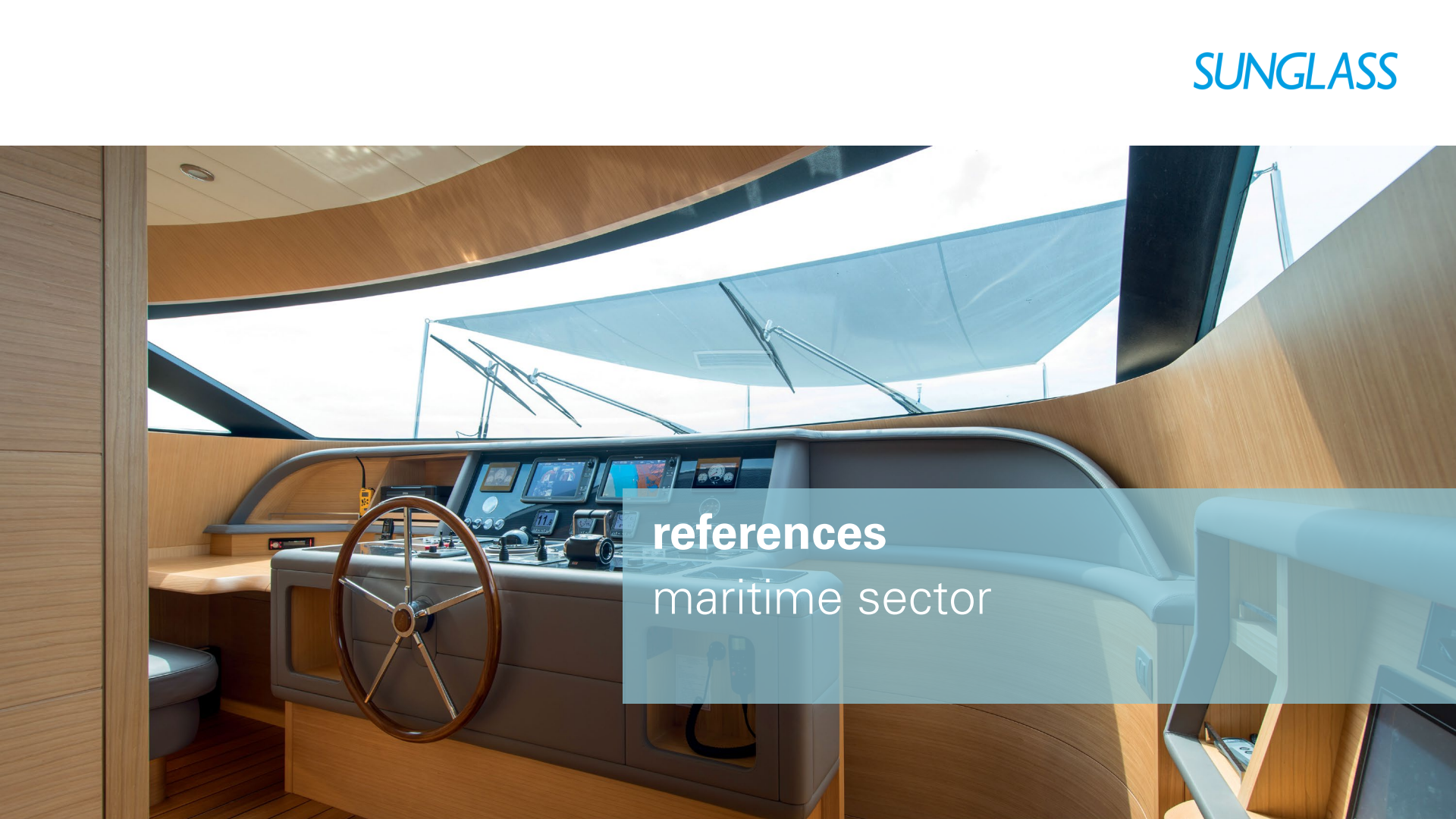
Architect: Herzog & de Meuron



Sphere for Expo 2017 – Astana

Architect: Adrian Smith and Gordon Gill Architecture





references
maritime sector

Starling

Chemically toughened windscreen with heating system



A black and white photograph of a high-speed train, likely a Shinkansen, stopped at a station platform. The train is sleek and aerodynamic, with a white body and dark accents. The platform is covered by a large, arched glass and steel roof. Several people are visible on the platform, some standing and some walking. The train is positioned on the right side of the frame, extending towards the left. A semi-transparent blue rectangular box is overlaid on the lower right portion of the image, containing the text "references" and "highspeed-trains" in white.

references
highspeed-trains

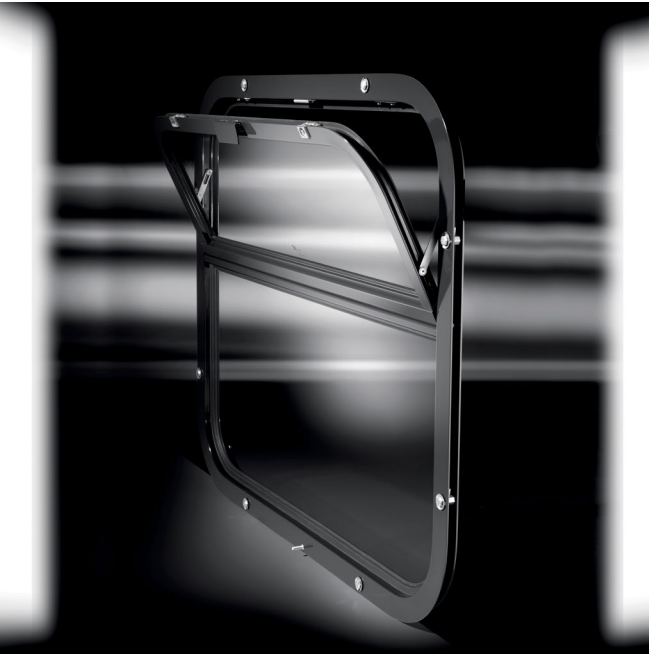
highspeed-train

Windscreens



highspeed-train

Windows



Thank you for your attention.

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