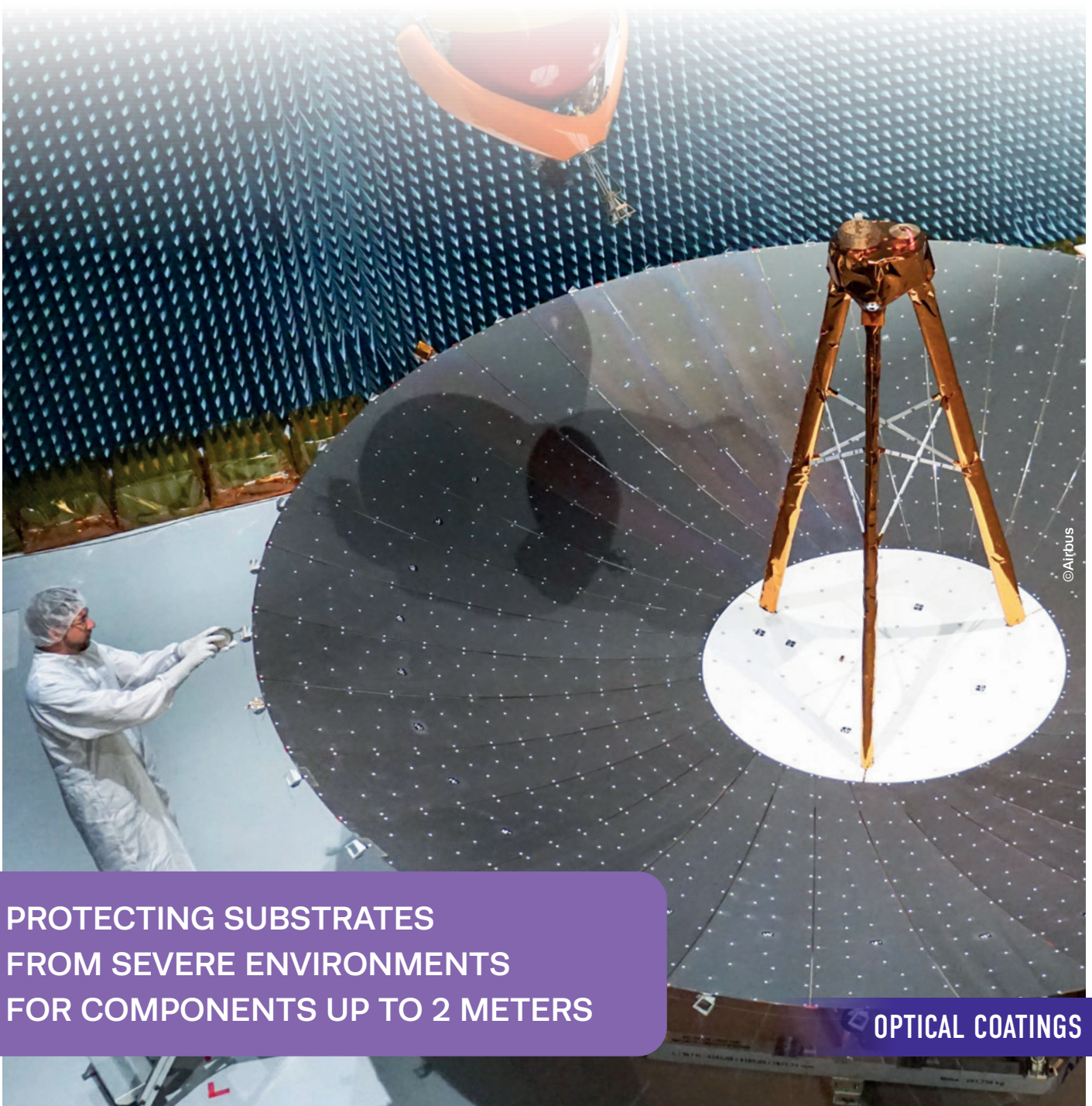


PROTECTIVE COATINGS

FOR SPACE, INDUSTRY, ASTRONOMY AND RESEARCH



PROTECTING SUBSTRATES
FROM SEVERE ENVIRONMENTS
FOR COMPONENTS UP TO 2 METERS

OPTICAL COATINGS

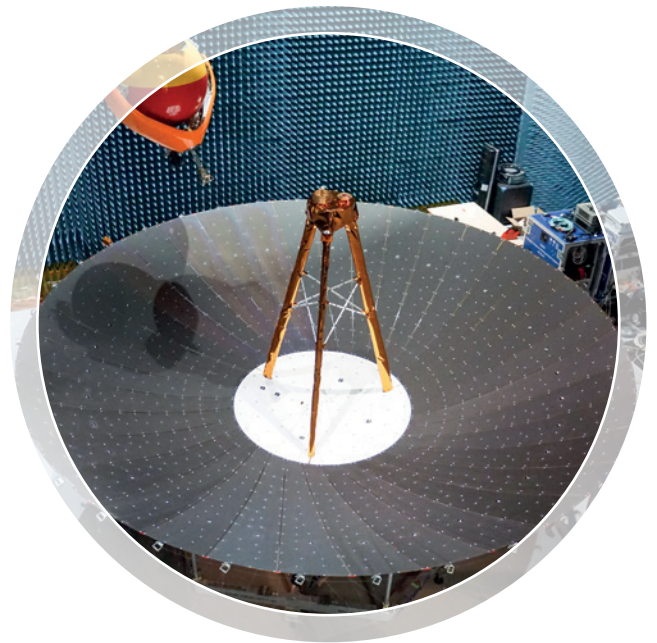
PROTECTIVE COATINGS

Feasibility studies
and design service

From small
to large dimensions

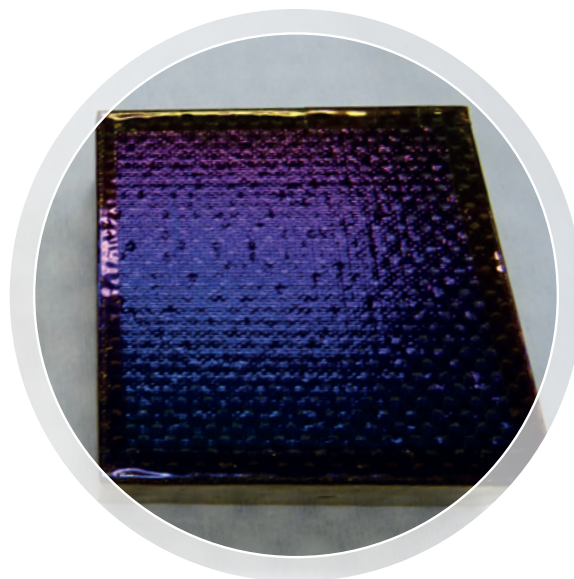
From prototype
to mass production

Bridge cranes to
handle heavy optics



FEATURES OF PROTECTIVE COATINGS

SUBSTRATE MATERIALS	Silica, Zerodur®, Aluminum + NiP, Bare aluminum, Stainless steel, SiC, CFRP etc.
SUBSTRATES SHAPES AND DIMENSIONS	Flat, concave and convex Up to diameter 2000 mm, 400 mm height and 1.5 tons
COATING TYPE	Dielectric layers: SiO ₂ , Al ₂ O ₃ , ZrO ₂ , etc. Metallic layers: Al, Si, Ni, etc.
COATING PROCESS	Magnetron sputtering (dense coating) 900 m ² of clean room ISO5 to ISO8
EXAMPLES OF APPLICATIONS	Protection against ATOX Management of the emissivity
COSMETICS	5/C 1 x 0.16 per 100 mm pupil according ISO 10110-7
ENVIRONMENTAL COMPATIBILITY	Suitable for severe environments (ATOX, radiations, vacuum, humidity...) Space heritage available upon request Cleanable
COATING AREAS	Full surface coating Coating free areas masked upon request



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