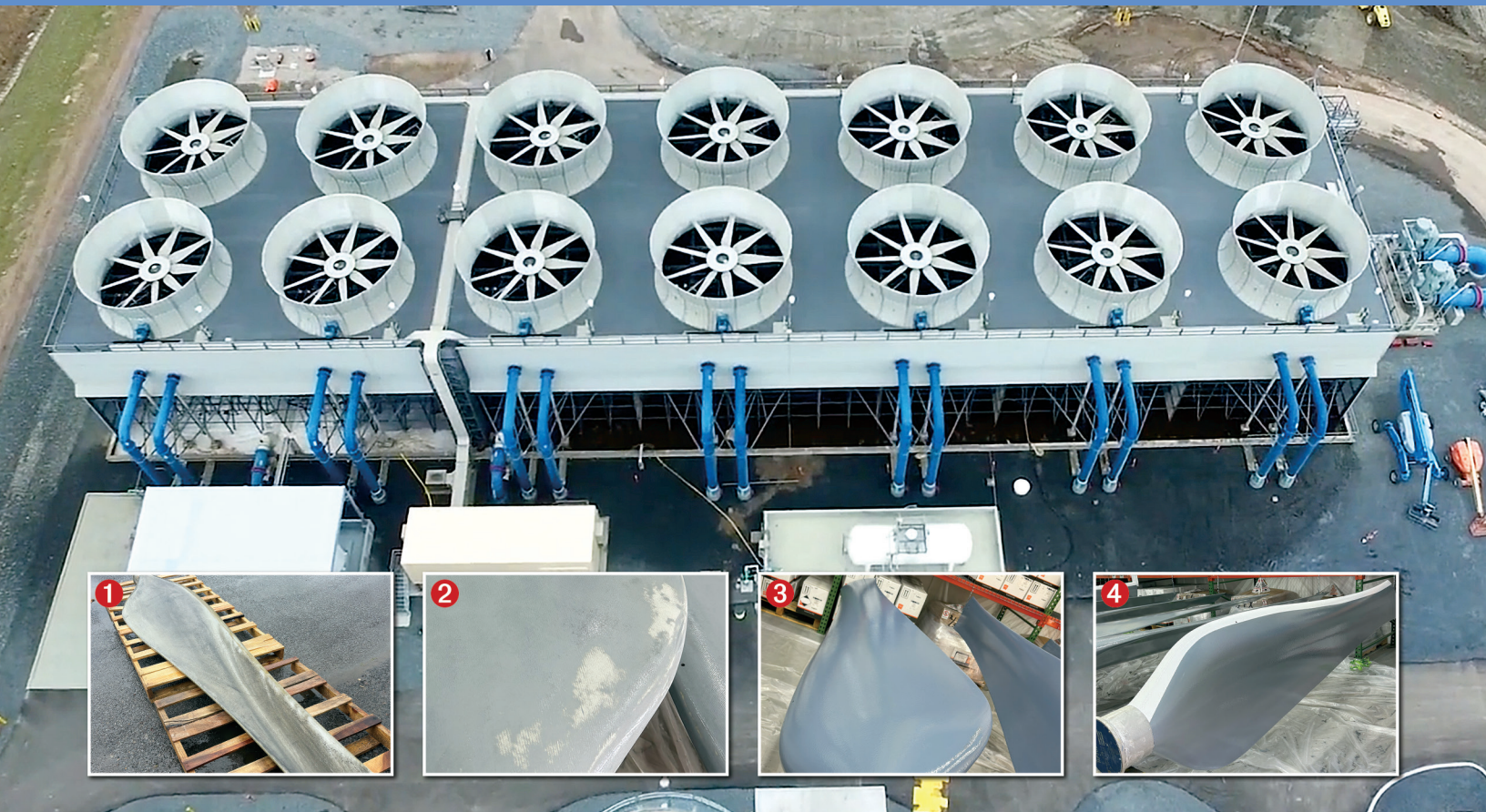




Read The Full Story

COOLING TOWER FAN BLADE RESTORATION



Refurbishment Recovers Value from Worn Cooling Tower Fan Blades

A 725-megawatt combined-cycle power plant asked Banks Industrial Group (BIG) to evaluate removed cooling tower fan blades showing years of coating deterioration and localized leading-edge erosion. The on-site assessment confirmed the blades remained structurally sound and suitable for refurbishment rather than replacement. BIG restored the blades at its Repair Technology service facility using Belzona protective coating systems. Although the plant installed new blades during the planned outage, the refurbished blades were retained as an emergency spare set, recovering additional asset value, improving outage preparedness, and demonstrating how condition-based assessment can support informed maintenance decisions.



Belzona resists erosion, abrasion, and chemical attack under immersion.

- 1 Surface deterioration from years of operation
- 2 Close-up showing exposed fan blade substrate
- 3 First coat of Belzona 5821 to restore blade surface
- 4 Belzona 5111 Ceramic Cladding protects leading edge



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