



COATINGS IN ACTION

CHALLENGE:

Reduce coal nozzle wear in steam electric power stations..

BACKGROUND:

Exiting the ball mills, the coal is pneumatically conveyed to a distribution network where by the coal is dispersed through (16) riffle boxes to 32 nozzles. Coal nozzle wear is most severe at the first 6 inches. Replacement is required after (1) year.

COATING RECOMMENDATIONS:

Purtech D1070 is a premium carbide material deposited at hypersonic velocities to achieve maximum coating properties. Its composition is specially tailored to withstand the wear, temperature and corrosive conditions of this application.

BENEFITS:

- 1** Maintenance cost reduction of \$50,000 per year
- 2** Longer run time between outages
- 3** Applicable to many other components, including riffle elements.

RESULTS:

After (12) months of service, the coated nozzles showed no signs of coating wear. Equally obvious, uncoated nozzles exhibited significant wear- in some cases wearing through the 0.280 wall stainless tubing.

Purtech offers complete 24/7 field services, including portable blast & dust collection equipment.

For more details on this application or to discuss your project needs, please call

**TOLL FREE
1-800-452-1669**

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UHV HVOF PLASMA TWIN WIRE ARC WIRE METALLIZING

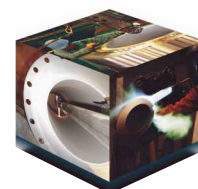
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