

**EFFECTIVE MERCURY CONTROL TECHNOLOGY
FOR LOW-RANK EUROPEAN COALS**

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ABSTRACT

Low-rank lignite coal is a critical supply to Poland's and much of Europe's power generation industry. Lignite mines exist throughout Europe and represent a cost-effective fuel for power generation, providing countries with low-cost power and economic opportunity. The low Btu, high moisture, and high degree of variability within the fuel make it a challenging fuel to ensure mercury compliance in a regulated emissions environment. Effective mercury control technologies need to be implemented in response to pending EU regulations so that lignite and other coal resources continue to be a part of a cost-effective power generation portfolio for many EU countries. ME₂ C's Total Mercury Control program has had tremendous success with some of the most challenging lignite and lower rank fuels combusted in the U.S. and Canada, and offers a tunable technology platform to meet the pending EU regulations. An overview of the ME₂ C technology will be presented along with case studies on challenging fuels and unit configurations that showcase the flexibility, tunability, and effectiveness of the ME₂ C Total Mercury Control program.