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Nota di contenuto	[Title page] -- [Copyright notice] -- Optimizing cost and quality of finished cement using near Infra-Red gypsum on line analysis and model predictive control -- Condition based monitoring - Kiln and ball mill girth gear audit -- Electrical AC drive conversion strategies for optimizing cement production - A case study -- Hydraulic drive systems for Clinker coolers -- The selection and application of lubricants for rotary kiln girth gears and pinions -- Advancements in meeting new regulations with activated carbon: Results from full scale cement plant field tests -- California's climate change program & implications for the cement industry -- Catalytic Ceramic filter reduces emission of organic air pollutants from a cement plant -- Filter bag seams as a source of particulate matter (PM) emissions -- Mercury balances in modern cement plants -- Reduce operating and energy costs and simultaneously assure EPA regulatory compliance with integration of intelligent baghouse control and sensing -- The changing U.S. regulatory landscape for alternative fuels.