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On the Cover Dubal 2350MW aluminum smelter plant powered by upgraded 9E gas turbines in base load service

3 Project development and industry news

Mitsui seals Salalah-2 deal, Egypt to massively increase generating capacity, MHI and Toho Gas introducing high efficiency gas cogeneration system, General Electric expanding its footprint in Saudi Arabia

12 Over one million hours and counting

Centrax recently celebrated one million hours of operation by four 501 KB5 units producing nearly 15MW of electricity and 75 tons per hour of steam in cogen service

17 Programs to rejuvenate older gas turbines

Resetting the clock on 30-year old B/E-class gas turbines with up to 10% boost in power output, about 6% lower heat rate and new controls systems software

22 Combustor with ultra-low NOx and CO

New combustion technology offers 2ppm NOx and near zero CO without selective catalytic reduction, claims near 100% combustion efficiency burning all sorts of fuels

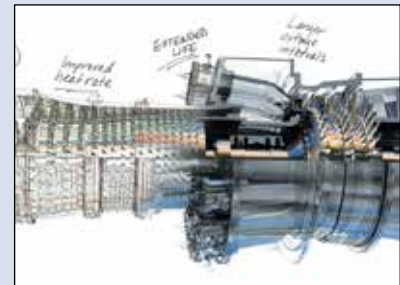
26 Warm-temp syngas cleanup process

Can increase efficiency of IGCC plants by 3.6 points HHV, for a relative improvement of 9% in plant efficiency, and lower the cost of carbon capture technologies



Better than ever

Exceeding expectations after 32 years and 250,000 hours of operation, *page 12*



Gene transplant

Extending life of old B/E-class gas turbines with improved performance, *page 17*



Near-zero NOx

Ultra-low combustion emissions without selective catalytic reduction, *page 22*



Low-cost capture

Warm gas desulfurization expected to lower the cost of carbon capture, *page 26*

