

# **THE DESIGNING PRINCIPES OF AFTERBURNER SYSTEM FOR HIGH EFFICENCY VAPOUR GAS MACHINE BASED ON NK-37 ENGINE**

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The high efficiency of using of the aeroengine afterburner operating process organization principles while designing afterburning chambers for the combined-cycle plant is shown in the article. The main technical solutions of such afterburning chambers design and approaches to fueling automated control system algorithm development is given as well.