

Annual Proceedings of Naval Academy, Varna, 2007

THE EUROPEAN ENERGY SAVING PROGRAM "MOTOR CHALLENGE"
Author: Nikolay A. Angelov, Naval Academy "N. Y. Vaptsarov", Varna

Abstract:

In this paper, the most important aspects of the Motor Challenge Program (MCP) promoted by the European Commission are considered. The main objective of the MCP is to help companies improve the energy efficiency of their electric motor driven systems, which have a large technical and economic potential for energy savings. There are given data about motor operation in real driven systems of different companies in this region and energy saving calculation.

ENERGY OBSERVER - Magazine

The unused savings possibilities

Author: Nadezda Staneva, Chief Expert, EEA

Abstract:

The paper, published in the prestigious professional magazine Energy Observer, raises the necessity to improve energy saving in industrial sector by the application of high efficient motor driving systems – a new trend for the numerous recently privatized Bulgarian SMEs.. The implementation of high efficient new motor driven systems or the improvement of already existing will reduce the necessity for building new energy power plants, will set free financial means and resources and will contribute for the reduction of CO2 emissions.

ENERGY OBSERVER - Magazine

Energy saving measures in the electric motor driven systems

Authors: Borianna Koeva- Uzunova- Head of Department, EEA
Ognian Markovski, Chief Expert, EEA

The article is concentrated on the consumption of electric energy in motor driven systems and its dependence on various factors plus the necessary measures to improve energy saving potential. The advantage of new efficient systems is pointed out, focusing on the 3 classes of efficiency for electric motors and their potential use in the specific conditions of Bulgarian industrial sector, consuming about 3 400 000 to/year.