

ENVIRONMENTAL MANAGEMENT SYSTEM AS A FACTOR OF REALIZATION OF DEVELOPMENT STRATEGIC IN A STEEL- WORKS

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ABSTRACT

Natural environment managing is a necessity of approaching of Polish economy system to European Union standards. In order to keep everything going efficient in industrial companies we should concentrate on environmental management system. The program of environment management is aimed to hierarchy company's activities concerned processes, projects, services and undertakings in order to prevent environment, and at the same time rationalize the system of company management.

INTRODUCTION

Water, soil and air pollution is inseparable with evolution of humanity. Launching into the environment substances which are not its natural components causes its pollution.

In addition to that development of civilisation which is followed by a lot of advantages but also series of disadvantages mostly in industry, agriculture, power engineering.

Irrepressible economic activity causes pollution of air and water and stock of various wastes. Air pollution is launching into the atmosphere solid, liquid and gas substances in quantity which may have influence men's health, climate environment soil and materials (stone, metal, etc.) in a bad way or causes other damage of environment.(1)

There are two types of pollution in the air: dust and gas.

Dust pollution originates in all processes of production or processes of lagration.

What creates degree of health damage is first of all is concentration in the a air and chemical and mineralogical contents: capacity of arsenic, lead, zinc, manganese, cadium, copper, mercury, hydrocarbon, aromatic hydrocarbons and quartz conjunctions.

Gas pollution includes: carbon oxide, azote oxide, arsenic conjunctions, hydrocarbons, ozone and others.

Upper Silesian industrial area creates ecological danger for environment habitat. The major cause of such situation is the divergence of production and ecological purposes which exist on the edge: factory – environment.

In time of civilisation development preservation of nature has to include actions which lead to reconciliation of economic development with respect to natural environment. While accomplishing such an idea we should appreciate superiority of environmental rules which may be disturbed by permanent civilisation development. Moreover, technical inventions should be used for rebuilding and protecting threat by degradation natural environment.

Katowice Agglomeration is situated in the central-estern part of the silesian voivodship, is the largest urban industrial agglomeration in Poland. It has a character of a polycentric agglomeration also defined as conurbation. It comprises six large cities with the population above 200 thousand residents and several smaller towns.

ENVIRONMENTAL MANAGEMENT SYSTEM

Economy which is based on supports it. It is about running business in harmony with environment and in such way which doesn't create irreversible changes in natural environment. In capitalist economy company makes its own decisions about its future. These decisions depend on challenges created by market. Each firm has to be competitive in order to exist on a market.

There is a problem of competitiveness not only with domestic companies but also with European firms.

Necessity of growth is required by European Union. If Poland wants to join EU it has to fulfil various requirements, that's why steel-companies must develop and adapt to new environmental conditions. These conditions should mobilise a company to invest, development because it strengthen its position on the market.

J. Penc (2) claims that growth of competitiveness is a big challenge for companies which are in arrears comparing to other companies in capitalist economy. Particularly weak in many companies is 'reflex' of their competitiveness. It allows the company to quick actions in cause of threat from competition. It includes resources, ability to learn and ability to overcome the menace inertia. Raising once's competitiveness in a way which includes ethical and human roles demands on acting of a company. Such acting should consist of emphasise willingness to achieve better results, creating of innovations and also caring about employment security.

More and more companies deal with dynamic, changing surroundings which forces organisations to adopting behaviour. (3)

Environment influences the company and hinders its stability. Steel-works has to develop its adapting ability, launch new adapting actions.

Crucial for problem solving is recognition and critical opinion of ecological conditions in which company exists, which are:

- Solutions (actions) technical – organisational in the company which are to protect environment i.e. integrated environmental management as an element of realisation of steel – works development strategy.
- Advantages and natural resources and exploitation of environmental elements which is achieved by company.
- Conditions created for steel-works by government and local government within obligatory law.

Integrated environmental management as an elements of realisation of steel-works a development strategy is a technical-organisational solution in company in order to protect environment.

Environment protection law is a collection law regulations which are about the environment (sometimes so called natural or environmental) and its elements. (4)

Company development may be connected which the strategy of ecological quality (5) and culture of Total Quality Management. (6)

They create the base for development company. It is well-known that Polish steel is in deep recession. Steel – works in order to maintain on the market has to launch revolutionary changes in its structure.

According to A. Chodyński appearing of market segments where clients prefer a product which is 'ecological pure' in case of user – friendliness. They are made according to environmental friendly technology as well as to quality strategy.(7)

Changes within organisational culture should be conjugate with potential changes in areas strategy, structure, human resources (...), it is connected in most cases with deep organisational transformation (including changes of all subsystems and the change of management) (8).

The culture of TQM – according to R. Kraszewski, M. Buszko is nowadays one of the most imported features in gaining the maximum work efficiency, efficiency, fluency of whole organisation as well as assuring the competitiveness on the global market.(6)

With this development it is crucial to create company with launching Environment Management System at the same time.

Introducing the EMS by a company is the necessity in order to adopt Polish economic system to EU's. In few years time in Polish companies the criteria ISO 14000 and EMAS will oblige. That is why modern – clear technologies are adopted, and ancient, environmental – unfriendly technologies are given up.

The advantages connected with implementation of EMS: internal – directly influencing on company's activity, as well as external – influencing the surroundings have their financial impact. Implementing of EMS according to ISO 14001 standard is followed by high costs.

However, the advantages resulting from EMS make cover costs which are spent on launching this system.

Successfully implemented EMS:

- simplifies the global management system,
- leads to remain security, health, conditions and quality of life.

Basic elements of EMS (standard ISO 14001) cover:

- *Ecological Policy* - economic activity won't cause pollution of air and water and stock of various wastes.
- *Planning* – contains: ecological check of steel-works, ecological law regulations check and preparing program of ecological management system.
- *Implementation and Function* – covers: management structure, training and information, preparing for emergency and paper work connected with function of the EMS.
- *Check and Co-ordination* – cover: screen, periodic inspection, database and repair.
- *Day by day check and verification of the system.*

ISO 14001 standard stresses:

1. Commitment to permanent improvement of all activities and processes should be the major aim of the organisation. Surveys show that about 30 percent (EM training – the polls were complied by employees at middle and level in steel-works structure) of people were pessimistic about changes suggested by EMS. It is important that all workers understand the need of continuous searching for opportunity to improve the organisation for personal, client, owners and community good.
2. Acting according ecological law regulations.
3. Preventing environment pollution in terms of: emission to the air, waste management, water and soil pollution, influence on community, used of materials and natural goods.

One of the most important motives of EMS implementation according to ISO 14001 standard **(the rule about adjusting to law regulations connected environment all over the world)**

is a possibility to show how a company is involved in to protecting environment by possessing a prestigious certificate and building is positive image. [9]

When steel-works implements such a system it gains various of crucial benefits, i.e.:

- Ecology – aware employs.
- Competitiveness the company and its products.
- May act as an introduction for signing contracts.
- Maintain good relations with surroundings (actions leading to decline damaging emissions and wastes, pro-ecological investments etc.)

SUMMARY

Steel-works should care about protecting environment. The aim of its ecological policy, funds to achieve them must be choose according to the criteria of economical and ecological effectivity. They must be also the base and philosophy of company's activity.

It results from following reasons:

- Enlarging social demand for improving the quality of environment.
- Ecological demand of clients are growing.
- Technology and products which are not ecology – friendly are becoming less popular.
- It is a necessity to adjust to EU's market where it is impossible to sell goods which don't fulfil standards.

That is why it is crucial to adopt, continuous analysis and judging of EMS.

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