

PRESENT AND FUTURE OF OCCUPATIONAL SAFETY AND HEALTH

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Abstract. The analysis of the state of professional safety and occupational health at the world level is carried out. The importance of comprehensive development of the system of professional safety and health has been proved. It is established that the priority task is a comprehensive orientation towards a person with an emphasis on the importance of lifelong learning and the constant development of skills.

Keywords: work, occupational disease, occupational safety, occupational health.

Анотація. Проведено аналіз стану професійної безпеки та гігієни праці на світовому рівні. Доведено важливість всебічного розвитку системи професійної безпеки і здоров'я. Встановлено, що пріоритетним завданням є всеохоплююча орієнтація на людину з наголосом на важливість навчання протягом усього життя і постійного розвитку навичок.

Ключові слова: праця, професійне захворювання, професійна безпека, гігієна праці.

Introduction. Many leading scientists are engaged in research, evaluation and methodology of occupational safety and health systems. Among them are Y.F. Akulichev, I.O. Babokin, V.M. Vekselman, E.O. Gevrik, G.G. Gogitashvili, O.A. Grishnov, I. Dyshlovy, S.P. Kakaulin, E.O. Makarova, T.F. Mykhnyuk, O.Y. Serdyuk, K.Z. Ushakov and others. Every year, statistics from different countries indicate a deterioration in the levels of occupational diseases and industrial injuries, including fatalities. Therefore, there is always increased attention to security problems [1].

Analysis of the state of the issue. According to the ILO, every year there are approximately 270 million accidents in the world related to human labour activity, and 160 million occupational diseases. But these figures do not show another important aspect – human suffering due to inadequate working conditions and illness [2].

Purpose. To see the role and transformation of the system of professional safety and health in the preservation of physical, mental and social health of the labour collective of the enterprise in the formation, use and development of human capital.

Methods, materials and research results. As the world of work in all parts of the world continues to rapidly transform, it is important to think at the same time about psychosocial risks, stress, non-communicable diseases, threats of work-related accidents or occupational diseases. Eliminating the lag in the state of this system from the current requirements of world development leads to the urgency of continuing the study of this issue.

Determination of occupational safety and occupational health

The term «system of professional safety and health» of the international standard OHSAS (Occupational Health and Safety Assessment Series) is not used in domestic

science and practice, it is replaced by the term – «labour protection. Activities» [3].

The term «occupational health» was disclosed in the Encyclopaedia on Occupational Safety, published in 1998 by the ILO: «Occupational health is a science and practical activity dedicated to identifying and evaluating environmental factors, combating those factors and stresses that arise in the workplace as a result of the performance of work and can lead to diseases, deterioration of health and well-being, as well as cause serious inconvenience and decrease in labour activity of workers or members of a particular community». Occupational health is aimed at creating and maintaining the highest level of physical, mental and social health of workers of all professions, preventing occupational diseases and protecting workers from the risk of getting a occupational disease, creating and maintaining a production environment favourable for physiological and psychological health and, in general, adapting the workplace to a person and a person to work [4,5].

Consider the main aspects of the impact on the state and development of security (fig. 1).

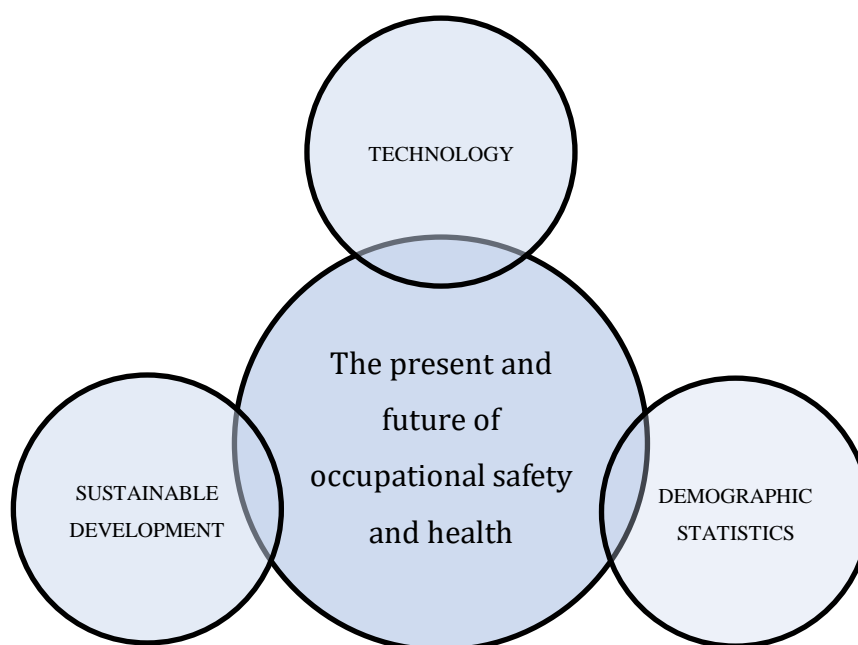


Fig. 1. Main aspects of the impact on the state and development of security

Challenges and opportunities for occupational safety and occupational health

Challenges:

- deterioration of security, reduction of regulatory measures, increase of risks;
- atypical conditions of employment and work;
- problems in the application of regulations on BGP and employment;
- poor organization of BGP in the workplace;
- lack of clarity and specificity of tasks;
- inadequate certification, low level of knowledge, etc.

Possibilities:

- removal of people from dangerous environments;
- better control over work-life balance;

- moving work from the informal economy to the formal sector.

Directions of response to challenges and opportunities for safety and hygiene in the future world of work (fig. 2):



Fig. 2. Directions of response to challenges and opportunities for ensuring safety and occupational health

In which direction to move on?

As the world of work continuously transforms, it brings at the same time unique opportunities to new challenges.

The world cannot predict exactly what type of technology will exist in the future, how it will be integrated into the world of work and what impacts (positive or negative) it will have on occupational safety and health. Therefore, the answer contains a comprehensive focus on a person with an emphasis on the importance of lifelong learning and the constant development of skills.

A human-centered approach to occupational safety and occupational health in the future requires innovative investments in people's ability to acquire, update and maintain skills throughout their lives. Therefore, the need for education and lifelong training can help employees and employers adapt to new and ongoing risks and improve work outcomes in the field of occupational safety and health.

In January 2020, the ILO Global Commission on the Future of Work called for global job guarantees, including basic workers' rights, an «adequate living wage", restrictions on working hours and ensuring safe and healthy working conditions. The Commission also called for occupational safety and health to be recognized as a fundamental principle and right in the workplace.

While there are many new challenges ahead of us related to occupational safety and health issues, it is important that governments, employers, workers and other stakeholders take advantage of the opportunities available to create a safe and healthy

future of work for all.

Conclusion. The role of the system of professional safety and health in the preservation of physical, mental and social health of the labour collective of the enterprise is decisive in the formation and development of qualitative characteristics of human capital in the current and long-term periods of the enterprise, every company, and therefore the state.

References

1. Voloshyna, S. V. (2011). The essence of the occupational safety and health system and its role in ensuring the human capital development of the enterprise. Bulletin of the Kryvyi Rih Economic Institute, 4, 19-26. URL: http://elibrary.donnue.edu.ua/453/1/Voloshyna_2_Sutnist%60_systemy.pdf.pdf
2. OCCUPATIONAL SAFETY AND HYGIENE – THE KEY TO FUTURE WORK [Electronic resource] // Access mode: <https://kostopil-rada.gov.ua/novyny/623-bezpeka-ta-hihiyena-pratsi-klyuch-do-maybutnoyi-roboty>
3. Labour protection. Security science (2008) // All about accounting, 47, p. 64.
4. Załoga, W., Nowicka, J., & Ciekanski, Z. (2019). The role of the professional environment in the development of social competences. Zeszyty Naukowe. Organizacja i Zarządzanie / Politechnika Śląska, (134), 349–362. <http://dx.doi.org/10.29119/1641-3466.2019.134.27>
5. Schulte, Paul A., George Delclos, Sarah A. Felknor, & L. C. Chosewood. (2019). “Toward an Expanded Focus for Occupational Safety and Health: A Commentary”. International Journal of Environmental Research and Public Health, 16(24), 4946. <https://doi.org/10.3390/ijerph16244946>