

► Confined spaces – what is wrong?

Confined spaces safety webinar

António J. Robalo Santos

► Work-related death's paradox

► Reasons to work:

- Provision of means of subsistence;
- Improvement of the well-being and quality of life of people and their families;
- Strengthening of self-esteem, individual dignity and personal fulfilment;
- Promotion of social cohesion and stability, peace and economic growth.

► Paradoxal consequences of work:

- Work kills more people than wars!
- From a global workforce of around 2.84 billion:
 - between 350 and 360 thousand people die annually (due to about 270 million accidents);
 - about 2 million dies annually from occupational diseases.

UK: EUR€18.1 billion (HSE, 2015)
USA: US\$250 billion - 1.8% of GDP (Miller, 1997)
EU: EUR€26 billion (Richthofen, 2002)
World: US\$1,200 billion- 4% of global GNP
(Hämäläinen, 2009; Takala, 2014, 2005)

► “Costs” of occupational accidents and diseases

Victims & families:

- Death;
- Injuries and disabilities;
- Decreased quality of life;
- Pain, sorrow and suffering;
- Self-esteem;
- Loss of earnings and earning capacity.

Employers:

➤ Direct:

- Damages in plant, machinery, equipment, and raw materials;
- Civil and criminal liability;
- Compensation costs;
- Increased insurance premiums.

➤ Indirect:

- Reputation & image damages;
- Replacements' recruitment & training;
- Motivation, absenteeism and presentism of colleagues;
- Production capacity and productivity;
- Quality of goods/services & delivery times;
- Diseconomies of scale and experience;
- Opportunity costs.

States:

➤ Direct:

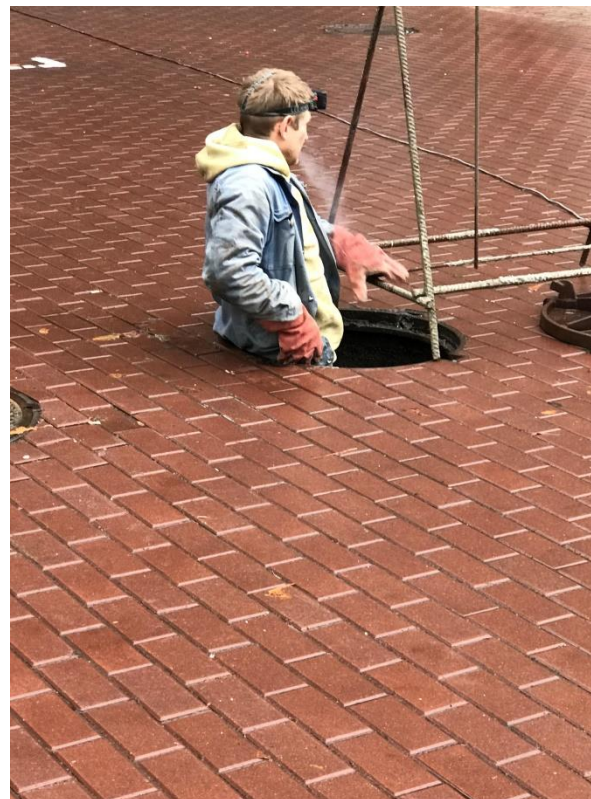
- Health, emergency services, SS benefits
- Compensation costs;
- Costs with rehabilitation and reintegration of victims

➤ Indirect:

- Loss of tax & SS revenues
- Reputation & image damages
- Administrative, investigation & inspection costs.

► What is wrong?

Kyiv, Khreschatyk Street, 2nd November 2017



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Contacts

Дякую за увагу!

Thank you for your attention!



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