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Sustainability Case Study

PROJECT NAME	SLOVNAFT HSE TRAINING CENTRE
LOCATION	SLOVNAFT, a.s.
DURATION	Ongoing, since 2016
OUTCOME	Systematic practical HSE training for the employees - raising HSE awareness

Project Description

▶ BACKGROUND

Establishment of a new training concept was required to ensure a systematic practical HSE training for the employees.

▶ HISTORY

The Training Center was established in 2016 by the SN CEO.

The Center consists of the:

- ▶ Classroom
- ▶ Training Hall
- ▶ Gas & Fire Polygon Site
- ▶ Change Room, Staff room, Air Condition Room
- ▶ Confined Space Entering / Fall Protection Site



Main topics of HSE Training Center:

▶ Personal Protective Equipment (PPE)

- Physical and health hazards identification (simulation of various workplace conditions)
- Appropriate PPE selection
- Properly wear PPE
- The limitations of the PPE
- Maintaining PPE, including replacing worn or damaged PPE
- Making sure the compatibility, if several different types of PPE are worn together



▶ Energy Control (Lockout / Tagout), Work Permit

- Hazardous energy source recognition
- Establish the energy-control procedures
- Identification of the energy-isolating device
- Putting appropriate lockout & tagout equipment on the energy-isolating devices.
- Prevention of unexpected re-energization or release of stored / accumulated energy.
- Verification of the isolation and de-energization status.



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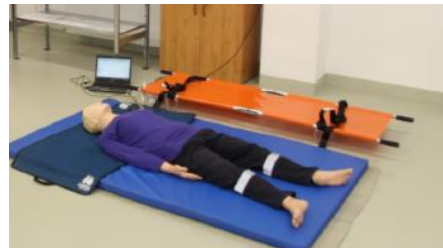
▶ Hand Manipulation, Hand and Power Tools

- Focus on awareness and avoidance
- Basic Principles of manual handling - Lifting/Lowering, Pushing/Pulling, Carrying, Weights and Forces, Frequency of Activities, Load Center of Gravity, etc.
- Proper selection and using of all tools, recognition of the hazards associated with the different types of tools and necessary safety precautions



▶ First-aid

- Responding to Life-Threatening Emergencies - cardiopulmonary resuscitation (CPR), automated external defibrillator (AED) using
- Responding to Non-Life-Threatening Emergencies –Wounds, Burns, Temperature Extremes, Musculoskeletal Injuries, etc.
- Exposing trainees to acute injury and illness settings as well as to the appropriate response through the use of visual aids
- Having trainees develop “hands-on” skills through the use of mannequins and partner practice
- Design a First-aid Program Specific for the Worksite
- Minimal contents of a workplace first-aid kit



▶ Gas Hazard – Gas detection, protection, SCBA Using

- Hazardous gases in the operation
- Gas detection system
- Gas Alarm Philosophy
- Principles of proper use of the Self-contained breathing apparatus (SCBA)



▶ Work at Height, Excavation, Fall Protection

- Personal Fall Arrest Systems
- Positioning Device Systems -allow a worker to be supported on an elevated vertical surface, and work with both hands free while leaning
- Fall Restraint Systems –don't allow a fall of any distance



▶ Confined Spaces Entry

- Detection of hazardous conditions
- Controlling Confined Space Risks; Equipment for safe entry; Entry Permit; Cancelled entry permits
- Assigned Duties -Authorized entrant, Attendant, Entry supervisor
- Emergencies -Rescue service personnel, Harnesses and retrieval lines, MSDS, Communication



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► Scaffolding

- Identification of main shortcomings of the scaffolds:
- Major scaffolding issues:
 - Capacity
 - Scaffold Platform Construction, Criteria for Supported / Suspended Scaffolds
 - Access Requirements
 - Use Requirements
 - Fall Protection Requirements
 - Falling Object Protection
 - Handling of materials
 - Scaffolds labelling



► Fire Extinguishing Practice on Exterior Fire Polygon



Project Results

► MAIN RESULTS AND OUTCOMES (WHAT CHANGED?)

These areas allow for own staff, outsourced firefighters and contractor employees to experience on-going training to enhance their ability to respond to any unpredictable, dangerous or emergency situation.