

## **Activity and organizing the Emergency Mine/Smelter Rescue Service at KGHM**

The Emergency Mine/Smelter Rescue Service was created by KGHM in 1997. It was based on Mine Rescue (the Country Mine Rescue) and the Departmental Fire Brigade. It's duties are: mine rescue, chemical, technical, ecological and fire salvage. This Unit is a protection for all other mine Units which are included in Capital Group of KGHM.

The Structure of Unit create:

- 1<sup>st</sup> Department- Fire Service section at Głogów Cooper Smelter
- 2<sup>nd</sup> Department- Fire Service section at Lubin Mine
- Branch of 2<sup>nd</sup> Department- the Fire Service section at Legnica Cooper Smelter
- 3<sup>rd</sup> Department- Cooper Mining Rescue Team in Sobin

The Mine-Smelter Emergency Rescue Unit is on duty for 24 hours seven days a week. The basic team on duty includes:

- At least 13 fire fighters in the Fire Service section;
- 15 rescuers in the Mine Rescue Unit divided into three teams, the shift manager, the rescue equipment mechanic and a rescue physician.

The Mine-Smelter Emergency Rescue Unit has two specialist sections. One of them is the height rescue section which employs people trained by the rescuers from the Mountain Volunteer Search and Rescue Service (GOPR) and the Tatra Mountain Volunteer Rescue Service (TOPR). The team conducts rescue operations in vertical shafts and shafts with steep incline. The other group are divers prepared to operate in the most difficult conditions under water. In addition to the rescue and prevention operations (including chemical, environmental and technological disasters, fire fighting and restoration of areas affected by fires, rock bursts, wall slides, floods and all kinds of power and mechanical failures), the rescuers are also responsible for a range of preventive maintenance duties to ensure uninterrupted, trouble free execution of the production processes.

The aim of the elaboration is to present the main rules of functioning The Emergency Mine/Smelter Rescue Service. As live saving the subject of this work.

The other goal is to show basic actions of Mine Rescue Division, types of risk and possible medical security of the Emergency Mine/Smelter Rescue Service.

There will be shown two rescue operations in order to illustrate the rescue action.