

Mine rescue training in Spitsbergen



Challenges

TWO DIFFERENT MINES:

- One with a coalseam with an awerage of 1,6m
- One with a coalseam with an awerage of 3,6m
- One mine producing 70 000 t/year
- One mine producing 2 – 3 million t/year
- One with 18 miners, only dayshift
- One with 250 miners, 7shift/week, day/night 10h shifts.

Challenges

- Both mines situated at Spitsbergen, which means:
- No other rescue service available for immediate assistance
- Difficult infrastructure; 24 hour sailing from nearest port on mainland, 1,5 hours with aircraft
- Polar conditions
- 40 km wilderness between our two minesites.



Challenges

- Due to high turnover we have to recruit 10 to 15 new rescuers every year

Advantages

- Modern equipment
- Easy access to the mines
- We can use standard unaproved equipment in fresh air areas
- Roadways all over the mines
- Lowe gas mines
- No shafts

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- The mine rescue team is responsible for responding to:
- Fires and events in the mines that needs the use om respiratory protection
- Fire in buildings and installations outside the mines.
- Any accident where we will be the nearest rescueteam to handle, such as:

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- Vehicle and machine accidents
- Aircraft accidents
- Port-accident
- Ship-accidents
- Any accident where the authorities want us to participate in the rescue operation
- Polarbear chasing

We follow the standard demands
to physical strenght and
endurance for firefighters







We are using the BG4 for every occasion







The rescuers get really exhausted, which is an important part om the training



Miners can sometime drink something else than beer



Recruits having a break



Keeping control with the mine rescuers



The teamleader informing about the situation



The m-Comm system is our main communication system between fresh air bease and the rescue team



Coupling the branch-pipe



The cutting extinguisher (on an MB Sprinter)



Preparing for action with the cutting extinguisher



If there are enough troops, we
leave a man to watch the
machine



Bringing the lance of the cutting extinguisher to the firescene



The cutting extinguisher in action



The result on a standard steel container, 5 seconds and you are through the steel wall



The 80 meter tube of the cutting extinguisher being rolled up



Casualties beeing rescued...



Rescuing a man with a heartattack



The heart attack beeing prepared for carrying on the rescue stretcher



120 kg's are nothing for a mine
rescuer



The heartattack being looked
after at the fresh air base



Preparing the casualties for aircraft accident



From the control tower
Thought I heard the
aeroplane.....



The mine rescuing team arriving the crash-site



The teamleader get informed by the leader of Fire- and rescue



Using several burning objects to
create stress



Using real casualties, here covered with foam from the airport firetruck.



-23 Celsius is wery cold when
waiting for help



The crash-site



Two Toyota Hi-Ace used as aeroplane fuselage



Difficult work to get people gently
out of the crashed fuselage



Cassualty being carried to the ambulance



Cassualty being taken away



Passenger being taken out of Toyota aeroplane



First aid given



Torstein operating the hydraulic unit



Gathering place for the casualties



Oxygentreatment



The toughest challenge

- The deadliest
- The most common
- The most dangerous
- The funniest
- When a man must be a man
- **THE POLAR BEAR CHASING**

A nice little 200 kg's polarbear
coming for a visit



The fire and rescue truck used for the chase



Polarbear chase is popular entertainment



Bait



Too much noise here, goodbye!



- Thank You for Your attention!