



HEALTH AND SAFETY

Sankt Pölten Meeting

EFFECTS ON HEALTH

During this workshop, we discussed the effects on health of all the air components measured by the AirScout

NO_x

Effects on the respiratory system:

- Irritation and inflammation
- Reduced lung function (coughing and shortness of breath)
- Worsening of asthma and COPD

Effects on the eyes:

- Eye irritation
- Dry Eye Syndrome
- Allergic reactions

Effects on the Skin and Hair:

- Skin irritation
- Hair damage

Effects on Allergic Processes:

- Increases sensitization
- Inflammation of the respiratory airway
- Alterations in the immune system

Effects on the Nervous System:

- Headaches
- Dizziness
- Cognitive impairment

Effects on the Cardiovascular system:

- High blood pressure
- Heart attacks and strokes
- Blood vessel damage

FINE DUST

Effects on the respiratory system:

- Irritates airways
- Asthma
- Increases infections and cancer risks

Effects on the Skin and Hair:

- Accelerates aging
- Weakens hair
- Contributes to hair loss

Effects on the eyes:

- Eye irritation
- Dryness

Effects on Allergic Processes:

- Worsens allergies
- Overstimulating the immune system

Effects on the musculoskeletal system:

- Worsens arthritis
- Creates pain

Other effects:

- Increases heart disease
- Increase stroke risk
- Damage brain
- Contributes to depressions

CO AND CO₂

Effects on the respiratory system:

- Can affect oxygen intake
- Respiratory irritation
- Coughing
- Long term lung damage
- Can lead to asphyxiation

Effects on the eyes:

- Dry eyes
- Redness
- Itching
- Burning sensation

Effects on the Skin and Hair:

- Skin irritation
- Skin dryness
- Premature aging
- Hair loss and hair thinning
- Hair breakage

OUR SOLUTIONS:

Wearing a motorcycle helmet that doesn't let CO and CO₂ go through.



OUR SOLUTIONS:

Soundwave shield which blocks fine dust particles



OUR SOLUTIONS:

Airscout mask that filters clean air into
you respiratory system.

Tube that connects the airscout to a
mask that the driver wears.

