



SAIOSH Conference 2024

Cape Town

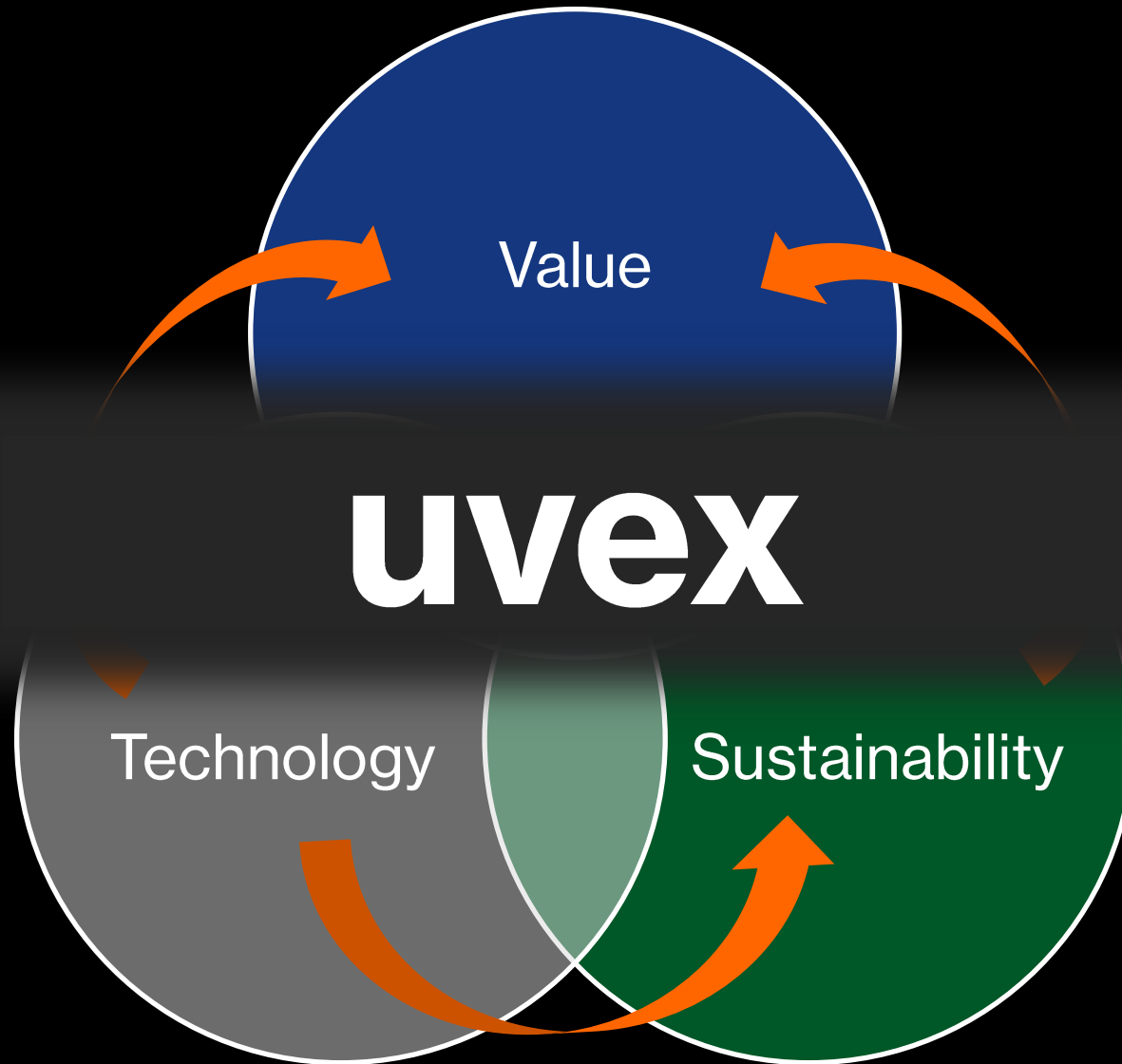
16 August 2024

uvex Safety South Africa



**“Value, Technology and
Sustainability in the world
of PPE.”**







Currently, a large portion of the market is...







**South Africa
GNU**

Transnet

Eskom

**Mining
Investments**

Covid

**South Africa
ROE**





JUST
BREATHE





1234567890+ # %
 #JustBreathe
 just breathe
 JUST BREATHE
 ? \$ ♂ ↪ ● ♥ ↪ ↪ ↪ @



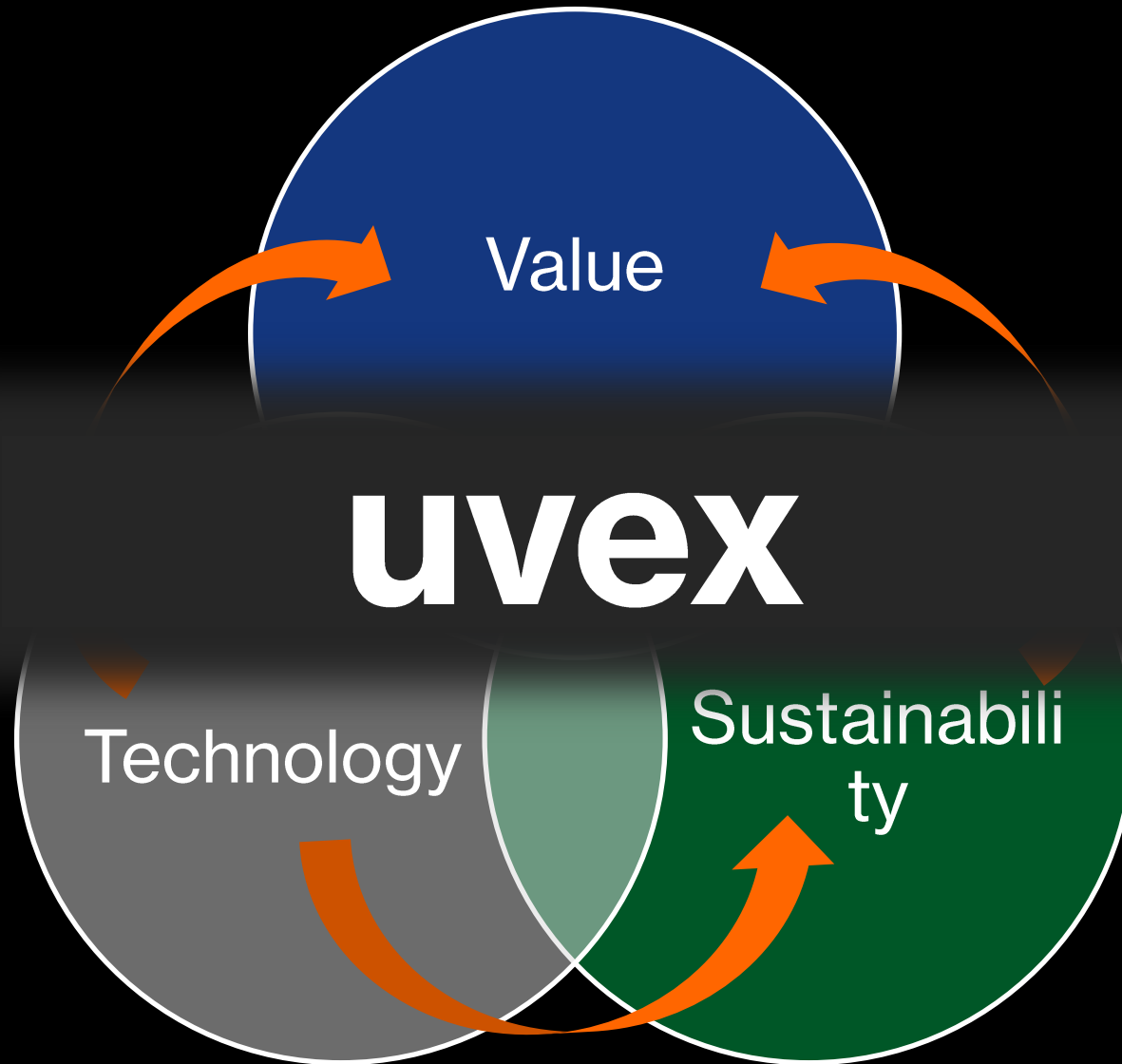


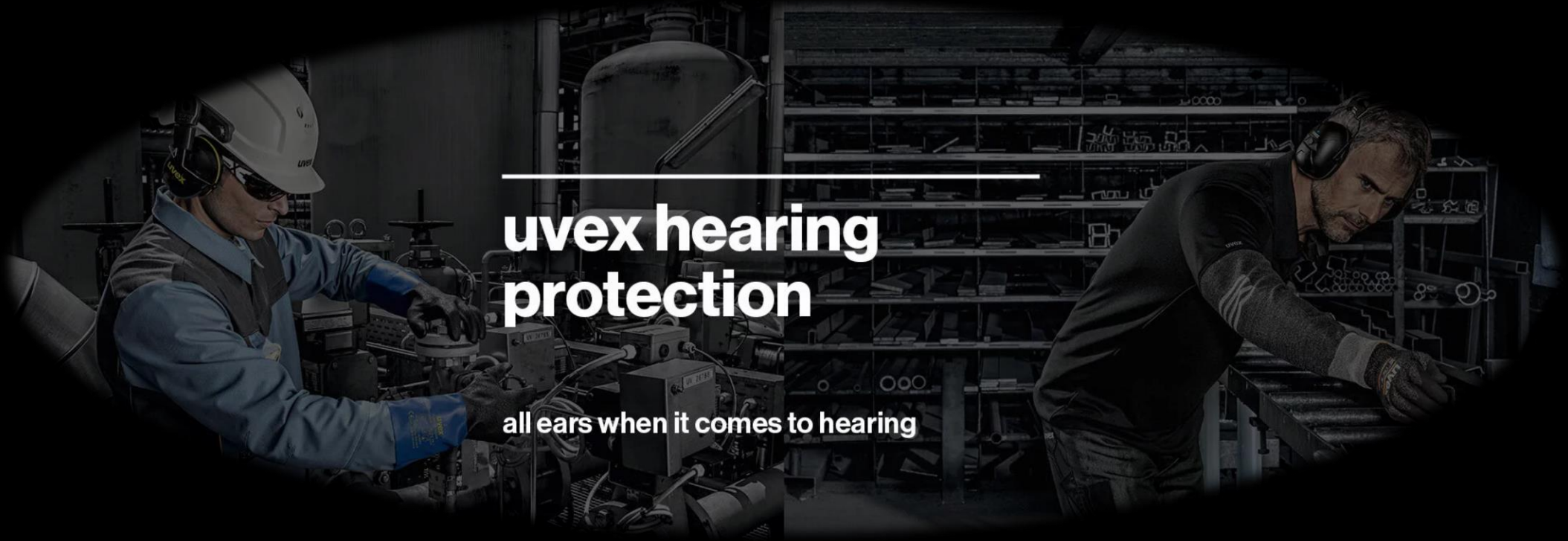
Budget
first, safety
second

“Price is what you pay, value is what you get.”
Warren Buffet

One size
fits all

PPE is a
grudge
purchase



The background of the advertisement features two industrial workers in a factory. On the left, a worker in a light blue uniform, white hard hat, and safety glasses is operating a machine. On the right, a worker in a dark uniform is working at a different station. Both are wearing large, black UVEX earmuffs. The scene is dimly lit, with the workers and their equipment highlighted.

uvex hearing protection

all ears when it comes to hearing

Hearing Protection

“A plug is a plug, what’s your SNR rating and price?”



“Noise-induced hearing loss has displaced tuberculosis and silicosis as the top priority health threat in the South African mining industry.”

**Dr Thuthula Balfour (Head of Health:
Minerals Council South Africa), African
Mining Indaba Cape Town, 2024**



uvex's Hearing Protection Technology



uvex xact-fit test

Hearing Protection Fit-Testing System



uvex hearing
conservation eLearning

Register **HERE**

uvex uvex's Hearing Protection - Value

1

QUALITY:

World leading manufacturing of hearing protection devices of the highest quality and accurate attenuation.

2

SA LOCAL CONTENT:

We have been manufacturing HPDs in South Africa for decades.

3

STANDARDS AND REGULATIONS:

All uvex HPDs meet the highest local and international standards and corresponds to the applicable essential health and safety requirements which are contained in the PPE Regulation (EU) 2016/425.

4

TRAINING:

Free annual hearing conservation training programme compliant to local Occ. Health and Safety Act regulations. Offered electronically via eLearning or in person on-site in several local languages. Individual certification for compliance provided on completion.



7

ON-SITE SUPPORT:

A personal on-site service with a national footprint throughout SA.

5

COMMUNITY SUPPORT:

uvex safety SA partners up with Mental Health organisations in SA to assemble and package our product before shipping it off to the end user. In doing so we provide employment to individuals who otherwise battle to generate an income.

8

ZERO HARMFUL SUBSTANCES:

Reduce ear canal and skin irritations. All our HPDs are 100% free from harmful substances.

6

ACCURATE FIT TESTING SOLUTION:

The xact-fit hearing protection fit-testing system.

9

SUSTAINABILITY:

Our ISO 14001 certified production plant SWEDSAFE is the most sustainable hearing protection factory in the world. Using 100% renewable energy sources to power product. ZERO fossil fuels are used.

10

COMPLETE RANGE:

Standardise your entire workforce onto uvex products as a one-stop solution offering all product types incl.: Disposable HPDs, Reusable HPD's Banded Earplugs, Dispenser Solutions, Detectable HPDs, Dielectric HPDs, Earmuffs, Helmet clip-in earmuffs, Electronic Communication Earmuffs, Customised Moulded Earplugs.



uvex's Eyewear Protection Technology



uvex UV400

100% UV protection. 100% safety. 100% uvex.

The EN166/170 standard requires safety eyewear to provide UV protection up to 380 nm. The latest scientific findings show that this is not enough. The WHO recommends UV protection up to 400 nm.

uvex UV400 — included in all uvex safety eyewear

Whether you choose clear or tinted lenses, all uvex safety spectacles are equipped with uvex UV400 effective UV protection as standard — as well as pleasant wearer comfort, a sporty design and top-quality lens coatings.

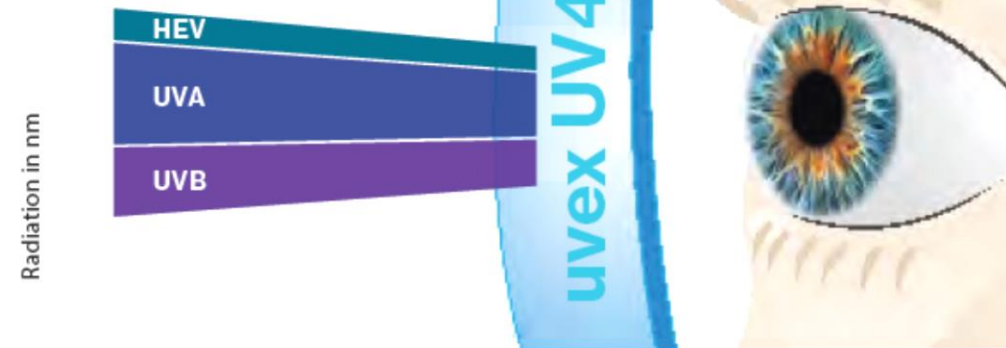
Even without sun, UV rays can still put strain on the eye

When working outdoors, your eyes are regularly exposed to harmful UV radiation — even when it is cloudy. The result: using insufficient protection risks may cause dangerous long-term damage such as corneal injury, cataracts and blindness.

uvex UV400 not only filters 100% of UVA rays (20% still passes through 380 nm lenses), it also completely minimises temperature-induced cell changes — a factor which increases tenfold in the percentage of total cell damage in the range from 380 to 400 nm. In addition, the dangerous, damaging blue light content (HEV), which is also harmful to the retina, is reduced by 15%.

100% protection against dangerous UVA and UVB radiation

For the eye and surrounding skin



uvex UV400 offers complete protection against UVA and UVB radiation as well as high-energy visible light (HEV) up to a wavelength 400 nm.

uvex's Eyewear Protection Technology



uvex CBR65
uvex CBR23

Focus on fatigue-free,
relaxed vision

Contrast

Contrast enhancement

Better contrast for clearer vision, helping to reduce strain on the eyes — even in diffused light.

Bluelight reduction

Blue light reduction

Blue light is reduced by up to 50 or 95%

Relaxed vision

Relaxed vision

Ideal for high-concentration work; the eyes get less tired even when working for longer periods.

65% transmission

Slight tint

Ideal for use both indoors and outdoors. Ideal for working in bright LED lights, for example.

working in bright LED lights, for example.
Ideal for use both indoors and outdoors. Ideal for
slight tint

23% transmission

Optimal protection against glare

Especially for working outdoors.

Especially for working outdoors.
Optimal protection against glare



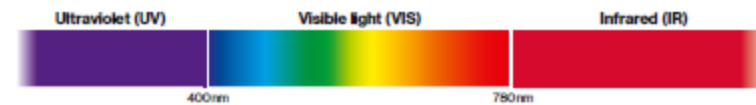
Infrared protection

uvex IR-ex safety spectacles

Preventive protection against infrared radiation

Infrared radiation (IR radiation) is also referred to as heat radiation, as it is perceived as such.

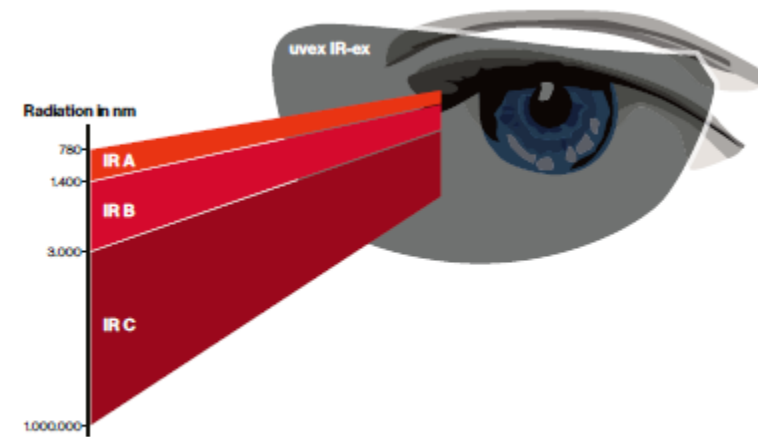
Strictly speaking, heat radiation ranges from infrared to visible light (VIS) up to ultraviolet (UV) – depending on the temperature.



The invisible danger

The effect of infrared radiation on human tissue can be harmful.

Since it is not immediately noticeable, infrared radiation can increase the risk of permanent eye damage, such as cataracts.



IR radiation cannot be perceived by the human eye. It extends over the electromagnetic spectrum from 780 nm to 1 mm (1,000,000 nm).

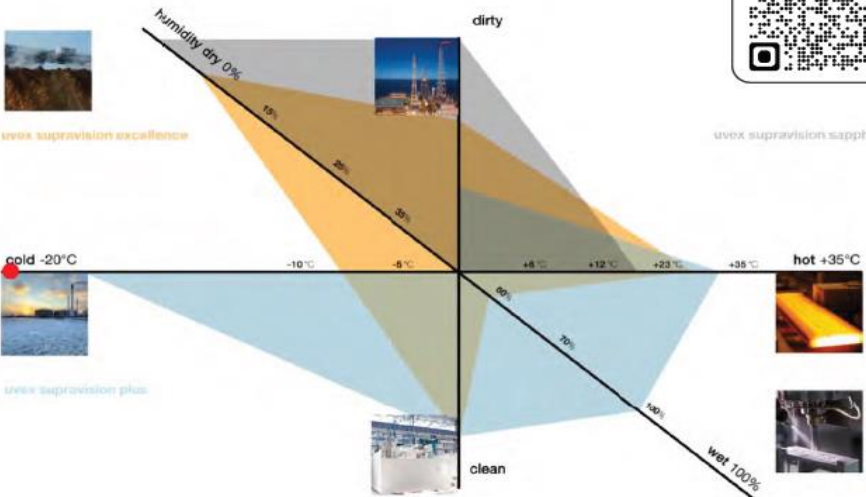
IR radiation is divided into three spectra:

- IR A (780 nm–1400 nm)
- IR B (1400 nm–3000 nm)
- IR C (3000 nm–1 mm)

Principle: The greater the wavelength, the lower the penetration depth into the tissue.

Caution: For applications requiring prolonged or repeated viewing of glowing objects, it is essential that suitable safety eyewear be worn.

uvex's Eyewear Protection Value



Core Coatings

uvex supravision sapphire

Coated lenses are extremely scratch resistant on both sides and offer excellent resistance to chemicals. The coating system, which has been enhanced using nanotechnology, offers significantly increased non-stick properties and subsequently are easier to clean. Aqueous and oily dirt can be removed effortlessly.

uvex supravision excellence

Coated lenses are anti-fog on the inside, while the outside offers extreme scratch and chemical resistance. The anti-fogging properties are permanent even after repeated cleaning. The lenses are also easy to clean and less susceptible to dirt due to the non-stick nanotechnology.

uvex supravision plus

Coated lenses have advanced anti-fog performance on both sides, scratch-resistant and antistatic. The anti-fogging properties are permanent, even after being repeatedly cleaned. This lens coating is suitable for areas with high humidity.

Lens	Sapphire	EXC	Plus
Inside lens	Anti-scratch	Anti-fog	Anti-fog / Anti-scratch
Outside lens	Anti-scratch	Anti-scratch	Anti-fog / Anti-scratch

Safety Eyewear Application recommendations:

Select the correct model, lens material, tint and coating based on a list of 16 predefined common sector applications.

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Select the correct model, lens material, tint and coating based on a list of 16 predefined common sector applications.

Safety Eyewear Configurator:

Step into the world of design and customise your own uvex eyewear to match your company's corporate colours and include your logo.

Lens Coatings Advisor:

Unique tool to select the correct safety eyewear using three application inputs: cleanliness, humidity and temperature.

Case Study

South African mining conditions can be demanding on eye protection. Only the very best quality can deliver on both safety and performance.

uvex lenses have a proven track record in the SA mining sector for reducing injuries. Trust the market leader in scratch resistance and anti-fog performance.

SA mining sector entrusts uvex to achieve their goal of ZERO reported eye injuries.

View our local case study here.

View our local case study here.

SA mining sector entrusts uvex to achieve their goal of ZERO reported eye

So, what about Sustainability...

And not “green washing”



GREENWASHING INSTRUCTIONS



EXAGGERATE POSITIVE CONTRIBUTIONS TO ETHICAL AND SUSTAINABLE FASHION.

USE MANIPULATIVE AND MISLEADING TERMINOLOGY AND IMAGERY.

DISTRACT FROM THE ONGOING MASS PRODUCTION OF FAST FASHION GARMENTS.



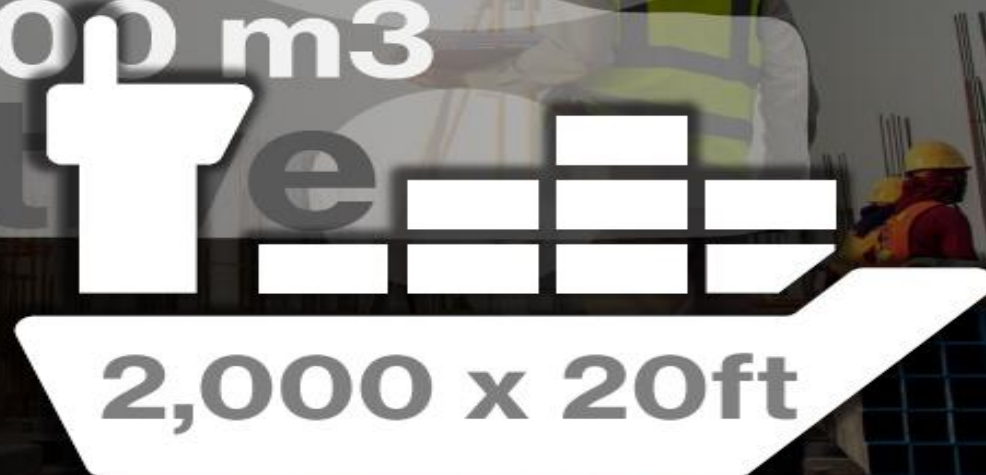
uvex

- Helmet
- Spectacle
- Dust masks
- Earplugs
- Clothing / Workwear
- Shoes
- Gloves

one
22.26kg
0.16 m³

one
HUNDRED
2.23 tonnes
16.1 m³

9 082 tonnes
66 000 m³



protecting people



The uvex sustainability transformation

We place the highest demands on ourselves

For uvex, sustainability is a key focus and has been for over a decade. We are aware of our responsibility and are actively engaging in the current social and technical transformation process. Our mission of **protecting people** instils in us the obligation to protect the environment. That is why uvex checks, evaluates and optimises all steps along the value creation chain so that we can continue to be at the forefront in the discipline of sustainability. We integrate sustainability holistically into our processes. We have identified four focus areas and set measurable targets throughout the Group, right down to the plant level.



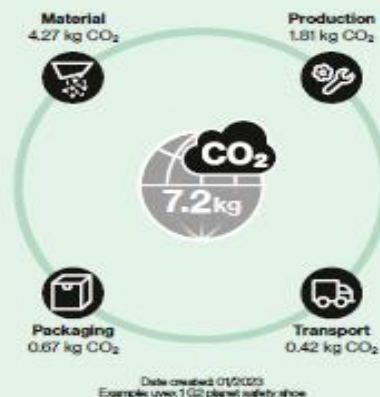
CO₂ product footprint

We ensure transparency and provide you with an indicator for the selection of more sustainable PPE

We assess the CO₂ footprint for an increasing number of products. This makes the sustainability of our products measurable, comparable and improvable. The CO₂ symbol on our products provides our customers with a clear and reliable indication of the CO₂ product footprint.



More information can be found in the online folder uvex CO₂ product footprint



Emissions transparency of our products

We take into account not only the emissions from our own production steps (Scope 1 and 2), but also the emissions from the production of the materials we process (Scope 3).



established sustainability

For uvex, the long-term sustainability measures that are widely rolled out are a matter of course

- 98.4 percent renewable energy sources since 2014
- 97.3 percent of gas consumption is CO₂ offset
- "Made in uvex", produced at European sites (< 1,000 km radius from Fuerth)
- Packaging made mainly of waste paper
- Code of conduct



More information can be found in the online folder uvex established sustainability



The uvex brand is our responsibility

We have been producing and selling high-quality products for the protection of people in sport, leisure and work for **over 90 years**. And if you want to protect people, **you have to take responsibility**.

It is precisely from this mission that our obligation derives to act in a **sustainable, social and socially-responsible manner**.

uvex eye protection

Sustainability without compromising quality

In the PPE sector, the use of recycled or bio-based materials must not impair the protective properties under any circumstances – this makes the search for and use of sustainable materials a major challenge.

Nevertheless, we have succeeded in qualifying suitable recycled and bio-based (and, in some cases, mass-balanced**) materials, which can be processed and used in the manufacture of some of our top sellers:

Lenses
mass-balanced PC made from bio-based raw materials

Side arms
recycled or bio-based material and PCR¹

Frame
recycled PET bottles or bio-based material² as well as PCR¹ and PIR²

Coupling parts and headband hooks
recycled PET bottles

Soft face seal
recycled granulate

Headband
recycled yarn, bio-based material² (headband slider)

The proportion of recycled, bio-based material varies from model to model, but always lies between

13.0 % and 71.5 %

This enables CO₂ savings of

26.0 % up to 55.0 %

Expanded range of replacement lenses

Conserving resources, reducing waste
Instead of disposing of all parts of the safety eyewear, we make it easy to replace the lens so that the frame can be used for longer. This enables us to save material and energy in production and contributes to sustainability and waste prevention.



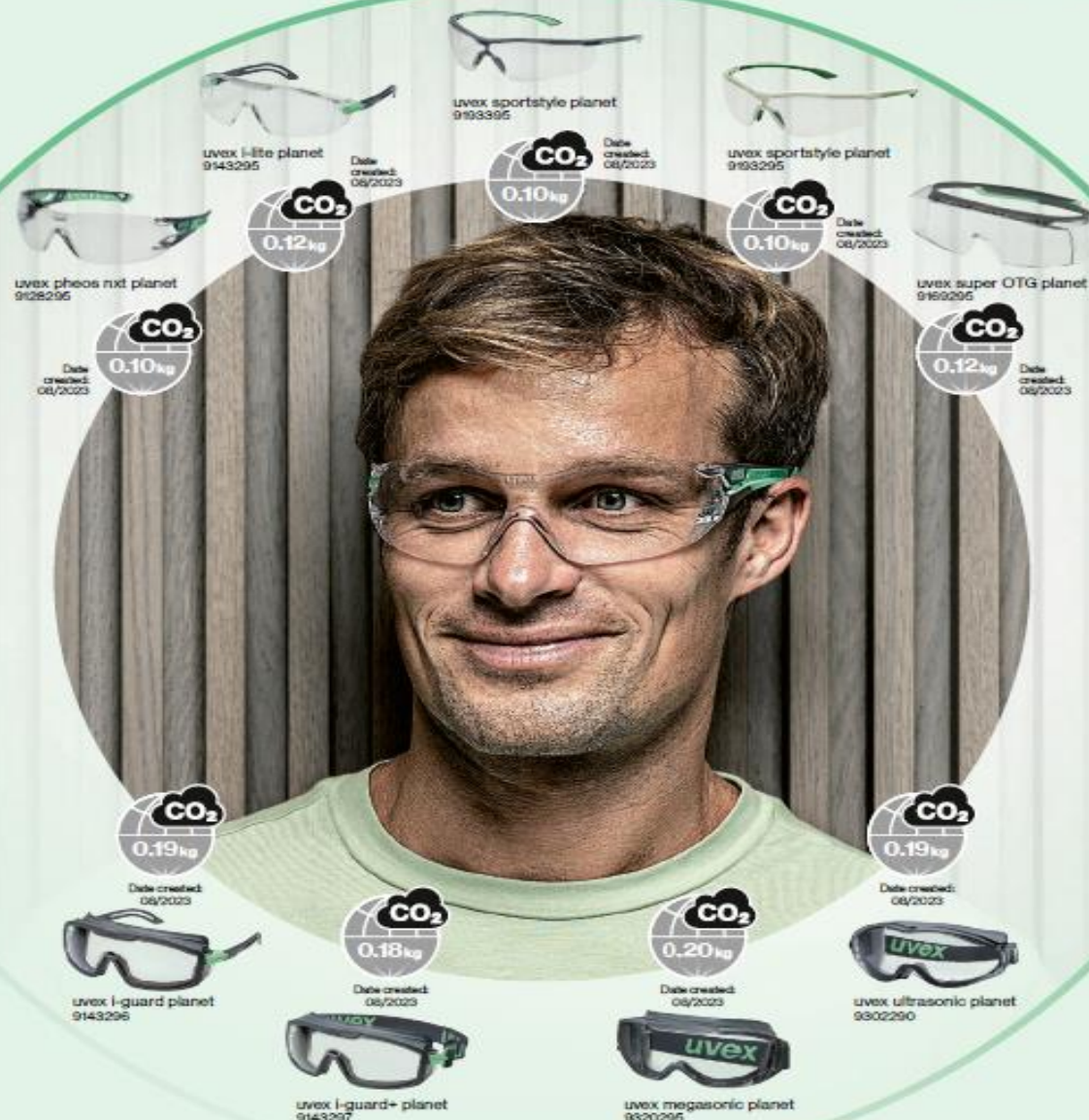
Material and weight savings by using replacement lenses:

for spectacles,
up to

-44 %

for goggles,
up to

-82 %



Emissions transparency of our products

We take into account not only the emissions from our own production steps (Scope 1 and 2), but also the emissions from the production of the materials we use (Scope 3). The carbon footprint is the result of an emissions calculation of all greenhouse gases released by an activity. The effect that various greenhouse gases have on the climate is expressed in CO₂ equivalents (kg CO₂ eq).

Product system planet series › Hearing Protection

uvex has developed the **protecting planet** icon, to help raise awareness of its commitment to achieving increased sustainability. Based on the brand claim, **protecting people**, our sustainable approach integrates three core interlinked pillars – **ecology, economy and social responsibility**, that are incorporated throughout the business to improve our sustainability performance.

This explains the comprehensive audit, measurement and evaluation management process uvex undertakes along the entire value chain to ensure its products are as sustainable as possible.

uvex xact-fit planet



MADE IN SWEDEN

**protecting planet**

by using recycled material //
by maximum reduction of pollutants

Ergonomically shaped stems

- 100 percent recycled polypropylene (PP)

Oval-shaped foam earplugs

- production is subject to strict controls
- contain as few harmful substances as possible

Packaging

100%

made from recycled
cardboard

**Electricity required
in production**

100%

comes from renewable
energy sources

**Ergonomic stems**

100%

recycled polypropylene

**protecting planet**

by using environmentally-
friendly packaging

Packaging

- made from 100 percent recycled cardboard

**protecting planet**

by reducing CO₂ emissions

Production at SwedSafe, Sweden

- SwedSafe is part of the uvex group
- leaves only a small carbon footprint
- no consumption of fossil fuels
- electricity comes from 100 percent renewable energy sources
- certified in accordance with Environmental Management ISO 14001
- promoting biodiversity at the site:
creation of insect habitats by planting natural grass landscapes and
sowing additional flowering plants

Product system planet series › Breathing Protection

uvex has developed the **protecting planet** icon, to help raise awareness of its commitment to achieving increased sustainability. Based on the brand claim, **protecting people**, our sustainable approach integrates three core interlinked pillars – **ecology, economy** and **social responsibility**, that are incorporated throughout the business to improve our sustainability performance.

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uvex silv-Air 2310 planet



protecting planet

by using recycled material

- valve made from 95 percent recycled ABS
- headband attachment made of 100 percent recycled PP
- recycled ABS made of components from e.g. the automotive industry or white goods
- recycled PP comes, for example, from used household appliances
- total recycled content of the mask is 26.5 percent
- significant improvement of the CO₂ footprint to 0.18 kg per mask



protecting planet

by using environmentally-friendly packaging

- Packaging**
- polybag made of 30 percent recycled material
 - cartons made from more than 80 percent recycled paper

Valve

95%

recycled ABS

Headband attachment

100%

recycled PP

8762313



26.5%

recycled content of the total product

uvex silv-Air 2310 planet

- particle-filtering preformed mask with exhalation valve for **larger face shapes**
- valve and four-point headband attachment partially made of recycled material, 26.5 percent of the total product is made from recycled content
- polybags made of 30 percent recycled material
- flexible, adjustable nose clip so that the mask fits comfortably and securely
- very soft, all-around sealing lip for optimal wearer comfort and secure fit
- exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 2310 planet

Art. no.	8762313
Version	FFPS NR D preformed mask with valve
Colour	white
Order quantity multiple/Order unit	BOX
Content	15 PC, individually packed in BOX

The uvex brand is our responsibility

uvex safety gloves is certified according to both **Environmental Management ISO 14001** and **Energy Management ISO 50001** and has **CO₂-neutral production rating** based on direct emissions from production.

Production in Germany ensures **sustainable, resource-saving production** and short distances from manufacturer to end user.

uvex hand protection

To meet our obligations, we have been using **electricity from 100 percent renewable energy sources** since 2014. With this certified **green electricity** product, we promote the construction of new plants for renewable energies in the region. We use **green gas** to **operate the highly efficient combined heat and power plant** at our site, thereby offsetting the CO₂ emissions produced by gas combustion processes. Through **carbon offsetting**, we invest exclusively in **climate protection projects** that are certified by internationally recognised quality standards (Gold Standard or VCS – Verified Carbon Standard) and thereby promote, for example, the construction of new plants in India for the generation of solar and wind power.

Material

- focus on bio-based materials: cotton, bamboo viscose, HPPE (bio-based) and/or polyamide made from recycled raw materials
- use of accelerator-free NBR coatings
- extremely comfortable and natural fit thanks to the use of breathable natural and functional fibres

Health

- exceeds REACH regulations on eliminating harmful substances
- ongoing analysis of almost 200 critical substances (uvex harmful substances standard)
- certified in line with Oeko-Tex® Standard 100
- DERMA-certified free from allergenic substances

Product information/packaging

- instructions for use on FSC-certified paper (as soon as legally possible via QR code)
- minimisation/optimisation of packaging (outer carton and sleeve)
- paper sleeve made of 80 percent FSC-certified kraft paper
- carton adhesive tape: Wet adhesive tape with starch-based adhesive made from potatoes

Social responsibility

- full implementation of the ILO standard
- continuous social audits at partner companies (uvex social standard)
- social engagement with a focus on disadvantaged children

Green electricity

100%

comes from renewable energy sources



Amount of waste in glove production reduced by

22.7%

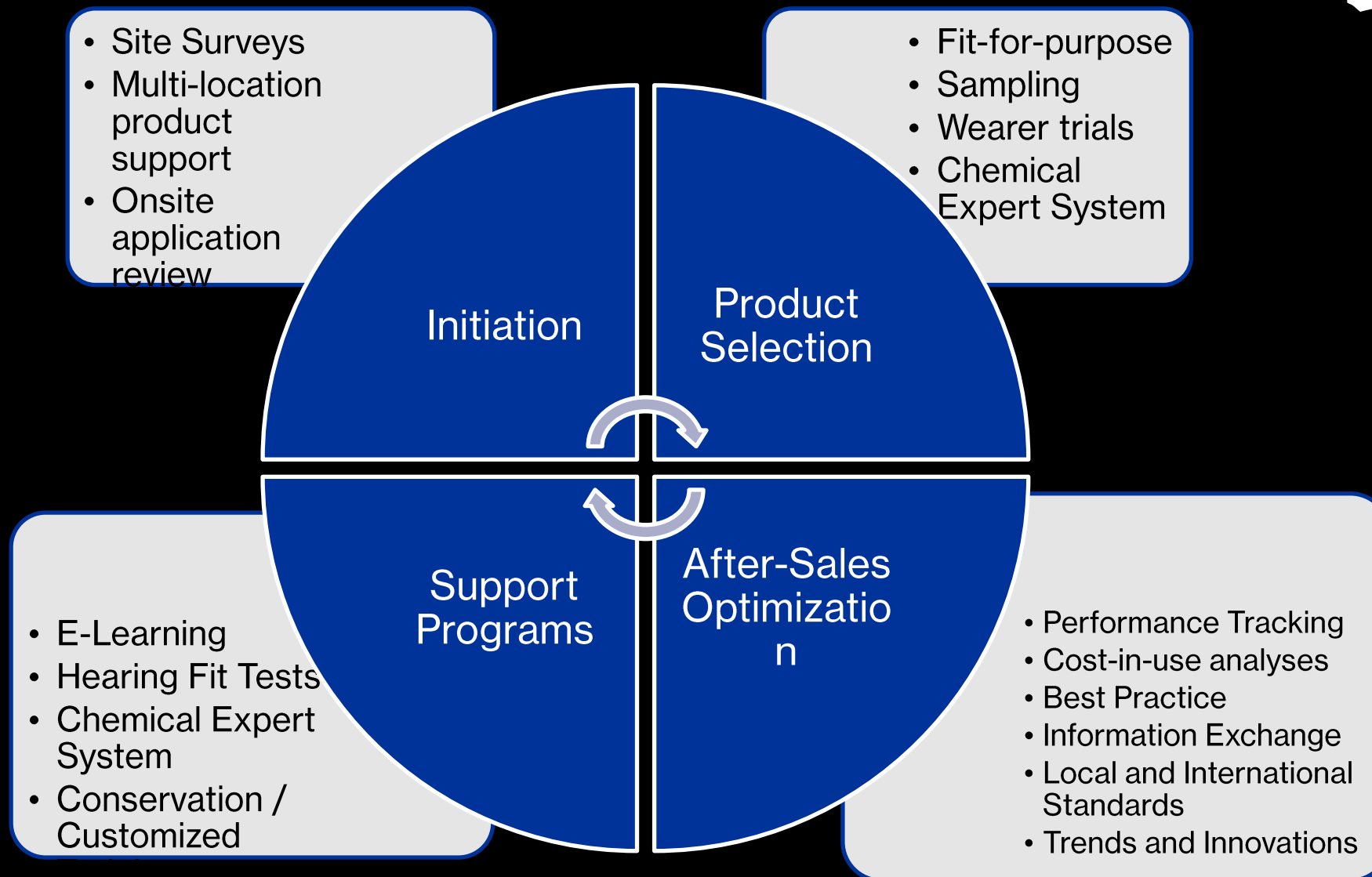
between 2019/2020 and 2021/2022

CO₂-neutral production

100%

In Lueneburg, Germany

uvex's Value





"Do you have a favourite saying?" asked the boy.

"Yes" said the mole.

"What is it?"

"If at first you don't succeed,



have some cake."

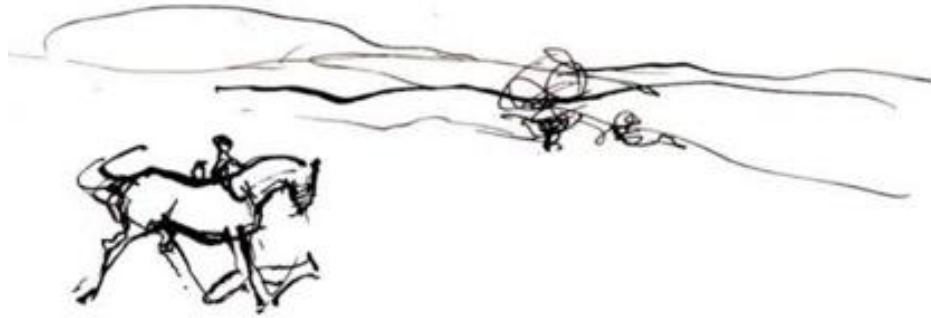
"I see,



does it work?"

"Every time"

"We all need a reason to keep going,"
said the horse. "What's yours?"

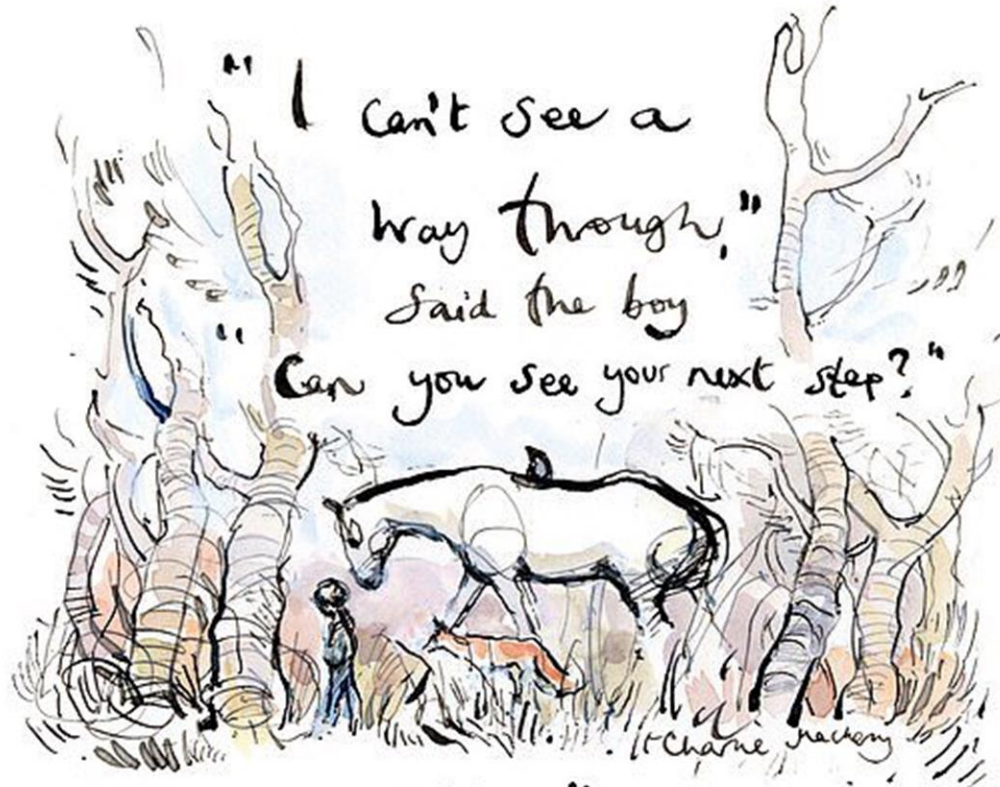


"You three," said the fox.



"Cake," said the mole.

stronger
together 🌈



"Yes"
"Just take that,"
said the horse.



uvex



COMPETITION TIME!

Scan here



**Or email “Competition” in the subject line, to enter:
cnel@uvex.co.za**



uvex

Thank You To You

All

From all of us at uvex *Enjoy the Mountain...*

protecting people