

THE LIGHT THAT WORKS
WHEN ALL OTHERS **FAIL.**

3km

VISIBILITY (360°)

60h

MAX BATTERY LIFE

IP68

WATERPROOF RATED

50+

COUNTRIES USED



PATENTED OPTICAL FIBRE
WEARABLE TECHNOLOGY

⚡ **ACTIVE EMISSION VS PASSIVE REFLECTION** Standard high-vis gear uses retroreflective tape — 60-year-old technology that only works when a direct light source hits it. SunFibre® actively emits its own light through patented optical fibres woven into the garment, providing constant 360° visibility in fog, smoke, rain, and complete darkness — conditions where reflective gear fails entirely.

KEY TECHNOLOGY FEATURES

- › Active 360° light emission— Fibres emit light continuously along their full length from all angles simultaneously
- › Patented textile integration— Sewn directly into PPE; almost invisible when switched off
- › Homogenous illumination— Even, unbroken light with no hotspots or dark zones
- › Glove-operable controls— Floating Button, Sew-in Button, or integrated switching
- › 3 field-switchable modes— Flashing (warning), Bright continuous, Eco continuous
- › Industrial wash tested— Survives repeated machine washing to PPE care standards
- › EN20471 compatible— Retroreflective thread option for dual passive/active compliance

KEY BENEFITS

- › Dramatically improves worker visibility in fog, smoke, rain, dust, night operations
- › Enhances compliance and safety for high-risk industries Seamless integration into existing PPE lines
- › Long operational time (16–60+ hours depending on power unit)
- › Sustainable solution with repairability and recyclable components
- › No retraining, no new PPE procurement — plug into what you already have
- › Meets your legal PPE obligation in low-visibility environments

CONSTRUCTION MINING FIRE & RESCUE POLICE & EMS TACTICAL MARINE

CERTIFICATIONS

CE | IP68 | RoHS | ISO 9001 | OEKO-TEX | UKCA

REQUEST A DEMO OR QUOTE

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Supplied by Soteria Advanced Technologies

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