



# AI powered Image Analytics Solutions for PPE Detection



## SALIENT FEATURES

- Safety Helmet detection
- Safety Jacket/vest detection
- Face mask and safety goggles detection
- Safety shoes and gloves detection
- Access-control enabled solutions (for entry and exit)
- AI enabled smart PPE violation detection platform
- Floor safety and fire detection
- Worker loitering monitoring and detection



## About Vehant Technologies

Incubated from IIT-Delhi in 2005, Vehant Technologies is a pioneer in Artificial Intelligence-based Physical Security, Traffic Management and PPE detection solutions. Designed and developed indigenously to meet global standards, features, and quality, our enterprise-class solutions continuously leverage technological innovations such as AI, Machine learning and Deep learning.

## About PPEye

- PPEye is an AI and Computer Vision driven image analytics solution which caters to the PPE (Personal Protective Equipment) related hazard and threat detection scenarios, and violations.
- It can be deployed on the shop floors, construction sites and production premises of customers in the core manufacturing, process, chemical and construction sectors.
- The PPEye platform is able to search and detect those non-compliance cases where workers and employees may not be using the mandated PPE items properly.
- Shop floor and production site safety related issues account for close to 25-30% of the compliance cost for any HSE (Health and Safety Department) of a manufacturing or construction organisation.
- As per ISO 45001 (OHSAS), occupational safety and hazard prevention is an integral part of the norms and requirements for these firms.



### Key Features

- Detect Compliance case/Non-compliance case of safety helmets. Reduce head injuries and hazards on the shop floor.
- Detect Compliance case/Non-compliance case of safety vests and jackets. Reduce shop floor accidents and dangerous events.
- Detect compliance case/Non-Compliance case of Safety masks, Goggles, gloves and shoes. Eliminate worker injuries due to exposure to harmful incidences on the shop floor leading to damage to the eyes, feet and hands.
- Reduce the cost and claims liability of the HSE (Health, Safety and Environment) Department of organisations.
- Standardise the record and audit process for assisting in the compliance of ISO 45001 (OHSAS) Norms.

**“PPEye serves all of these requirements of the end-users, thereby providing customer value in terms of cost saving, liability reduction and employee safety”.**

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