PERSONNEL SAFETY

Personnel Safety and Emergency Response in Industrial Facilities

Personnel location tracking and zone access management in industrial facilities

Logidot

Track. Analyse. Optimise.



Photo: Sergey Sergeev / Pexels

THE CHALLENGE

In large industrial facilities, access restrictions exist on paper and in safety protocols. Whether they hold on the floor is a different question. Physical barriers stop some incursions; supervisors catch others; the rest go unrecorded until something goes wrong. The same gap that makes access compliance difficult to enforce makes emergency response harder to execute. When an evacuation or incident requires accounting for every person on site, coordinators are working from rosters and verbal headcounts across a space where visibility ends at the next wall.

SOLUTION

Wearable Tags on all personnel feed real time location into the platform. Access Control defines permitted zones for each worker or role, triggering an alert the moment anyone enters an unauthorised area and logging the event automatically without supervisor involvement. Safety Checklists tied to zone entry require workers to confirm required PPE or certifications before the system records them as having entered a high-risk area. During an emergency, Live View shows the exact location of every tagged person by zone in real time, enabling coordinators to direct response teams precisely and confirm all personnel are accounted for without manual counting. Every zone entry, alert, and checklist event is captured in Current and Historical Reports, producing a complete compliance record across all shifts with no manual input.

RELEVANT FEATURES



Geofencing



Access Control



Safety Checklists



Live View



Current and Historical Reports



Automated Alerts and Reports

OUTCOMES

- Unauthorised zone access detected and logged the moment it occurs, without relying on supervisor observation or physical barriers
- Safety checklists enforced by location before any worker enters a high-risk area, ensuring PPE and certification requirements are met in practice, not just on paper
- During an emergency, exact location of every tagged person visible by zone in real time, enabling precise headcount without manual counting
- Complete zone entry and alert log generated automatically across all shifts, ready for Health and Safety inspection without manual compilation
- Access permissions enforced per worker or role across the full facility, scaling compliance without adding supervision headcount

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