Story 8 of 9 — Safety technology

ABC technology report: wearables, AI hazard detection and drone inspection on site

منبع: Construction Owners، گزارشِ گزارش فناوری و نوآوری ABC — جزئی: وضعیت صحت · ۲۰۲۶ اکتبر
بررسی شود: لینک abc.org تأیید نشده؛ پیش از انتشار، در ABC تاریخ دقیق انتشار از منبع رسمی — (partial)
https://www.constructionowners.com/news/abc-report-details-technology-strategies-for-construction-jobsite-safety



Figure 1 — news photograph for story 8 (generated from the improved pack prompt; stories 5–9 carry the aixhse.ir signature).

From the editors

For years, sites have heard that “technology is coming to fix safety”. The ABC report’s sixth edition paints a calmer picture: technology does not replace a safety culture; it rides on top of it. A wearable, an AI alert or a drone only helps when a supervisor reads the signal and acts.

The news

Associated Builders and Contractors’ sixth technology report highlights three technologies reshaping site safety: worker wearables that monitor condition in re

time, AI systems that detect hazards before incidents, and drones that inspect remote or risky points without putting a person there. The report's theme is practical: technology works when a supervisor reads the data and acts on it.

What do the numbers say?

Derived calculation: this is the sixth ABC technology report, not the first — so the trend has run for at least six editions. Its three headline technologies share one point: seeing a danger the human eye sees late or never — worker fatigue, a hidden crack, a distant structure point.



Figure 2 — chart/diagram for story 8, built from the story's own numbers.

Analysis

- Wearables watch the worker: fatigue, heat and location signals arrive live, but only help if someone is assigned to respond.
- AI watches the site: cameras and sensors can flag an unguarded edge or an unsafe behaviour before it becomes an incident.
- Drones watch the unreachable: roofs, towers and facades can be inspected without a person at height.
- Data without action destroys trust: unanswered alerts teach workers to ignore the next, real one.
- Privacy is a safety issue too: monitoring workers needs notice, consent and a clear limit to safety use.

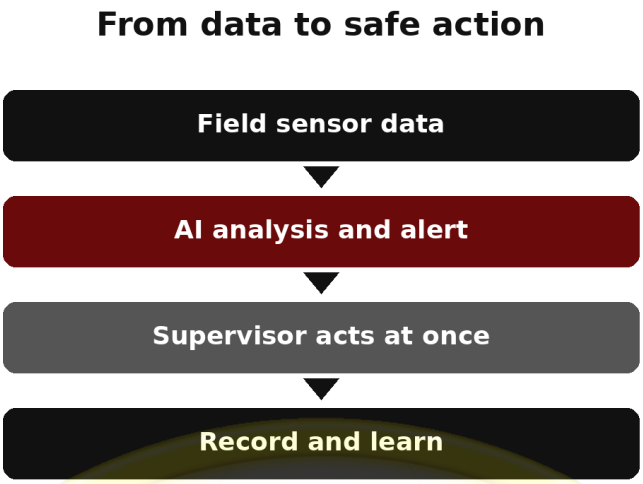


Figure 3 — flowchart for story 8.

What it means for Iran and aixhse.ir

For an Iranian site, the right start is not the most expensive tool. It is one real, repeated problem: which recurring incident do we want to reduce? Choose the tool for that problem, name the person who acts on its alerts, and review the data weekly. At aixhse.ir, our safety-technology exams are built on the same logic: a tool without a process earns no marks.

Practical table

Step	Action
Pick one problem	Buy a tool for one specific, repeated incident, not for everything.
Name the alert owner	Every alert needs one named person to act.
Review data weekly	Unanswered alerts kill trust in the tool.
Respect privacy	Monitor with notice and consent, limited to safety.

Limits of the story

Verification status is partial: the exact release date was not confirmed from ABC's official site, and this article cites the secondary report (Construction Owners, October 2026). Check abc.org before republication, and never call this the "first" report — it is the sixth.

Original source: منبع: Construction Owners، گزارشِ ABC — وضعیت · اکتبر ۲۰۲۶ گزارش فناوری و نوآوری abc.org تأیید نشده؛ پیش از انتشار، در ABC تاریخ دقیق انتشار از منبع رسمی — (partial) صحت: جزئی بررسی شود · لینک: https://www.constructionowners.com/news/abc-report-details-technology-strategies-for-construction-jobsite-safety · Explanation and republication: https://aixhse.ir

Calculation method: percentages and averages come from the story's own numbers with basic arithmetic; they are not new claims. Publisher: https://aixhse.ir