DE-RISKATHON

ACRISURE®

SESSION SUMMARY – OCTOBER 27, 2026

AI & The Future of Safety Technology

PRESENTED BY



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WATCH THE SESSION REPLAY

SESSION AT A GLANCE

Total recordable rates have fallen for decades, but fatality rates have stayed largely flat (Source: U.S. Bureau of Labor Statistics, Survey of Occupational Injuries and Illnesses and Census of Fatal Occupational Injuries). In a conversation with Acrisure's Mason Mimnaugh, Heather Chapman, founder of Paradigm Safety, showed how today's AI tools can help safety teams move from reactive to proactive — helping to spot serious-injury risks more quickly — and how to choose, pilot, and implement them well, with people kept in the loop.

AI TOOLS AVAILABLE TODAY

Generative AI
Drafts policies, permits, toolbox talks, checklists, and training in seconds

Computer vision
Existing cameras can flag unsafe behaviors you can't be there to see

Wearables
One device tracks noise, lighting, air quality, movement, heat stress, and forklift interactions

AI agents
Handle recurring work, like a weekly incident summary with charts and slides

AI risk assessments
Turn a video of a task into a draft hazard report in about a minute

Digital JSAs
A photo plus context becomes a safe work plan, posted by QR code at the machine

KEY TAKEAWAYS

1. **Shift from reactive to proactive.** The newest systems can identify a hazard, assess the risk, assign an action and owner, verify the control, and update a live risk register.
2. **Context in, quality out.** Give AI a role, a specific task, the outputs you need, and the audience — the more context, the better the result.
3. **Keep a human in the loop.** Treat the first answer as a starting point, ask AI to show its work, and review everything before you share it. It's still your name on it.
4. **Coach, don't penalize.** Be clear up front about what data is collected and why, and turn what the technology flags into conversations.
5. **Pilot small and scale what works.** Know the problem you're solving and how you'll measure success before you start.

FROM HAZARD TO VERIFIED CONTROL

1. **Identify the hazard**
2. **Assess the risk**
3. **Check the rules that apply**
4. **Create an action and owner**
5. **Verify the control with evidence**
6. **Update the risk register**

PROMPTING THAT WORKS

- **Give it a role** — "You are a safety consultant delivering a loss control survey"
- **Add context** — welding with possible chromium or beryllium gets you personal protective equipment (PPE) and air-sampling guidance
- **Ask for the whole package:** policy, toolbox talk, inspection checklist, and training
- **Name the audience** — frontline crews and executives need different outputs
- **Push past the first answer** — "Show your work" and "What if we added ventilation?"

TURNING DATA INTO COACHING

- **Communicate early.** Chapman noted that she typically spends about four months explaining a wearable pilot before it launches.
- **Plan for IT review** — using security cameras for safety can take three to nine months to clear
- **Ask why before you act.** A flagged behavior is a conversation, not a write-up.
- **Map near misses.** According to the presenter, heat maps of forklift–pedestrian interactions helped lead one warehouse to redesign its layout — before anyone was hurt.
- **See work as it's actually done,** not as it's written

BEFORE YOU BUY: VETTING AN AI VENDOR

- [ ] What does it do really well? Most vendors excel in a few areas, not all
- [ ] How is your data kept secure and compliant?
- [ ] Total cost, including maintenance and renewal fees — what will it cost in 18 months?
- [ ] What's captured, can it be blurred, and where and how long is it stored?
- [ ] Does it integrate with the systems you already use?
- [ ] Can you set alert thresholds that keep false positives low?

PILOT IT THE RIGHT WAY

1. **Start small**
   If something goes wrong, you fail small and learn fast
2. **Define success first**
   Know what a win looks like at the end of a 90-day pilot
3. **Scale what works**
   Hold back any feature that isn't delivering yet

Include champions and skeptics. A skeptic shows you the pain points — and may become your strongest ally. Bring in IT, HR, frontline workers, and your union committee if you have one.

> *"AI can't replace the fact that humans need humans."*
>
> — HEATHER CHAPMAN

Exploring AI for your safety program?

Acrisure's risk consultants can help you evaluate potential use cases and plan a pilot.

ASK A RISK QUESTION

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