



**FIELD SAFE**  
SOLUTIONS

# Next Generation Safety Techniques and Tools



Presented by:

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Director, Operations

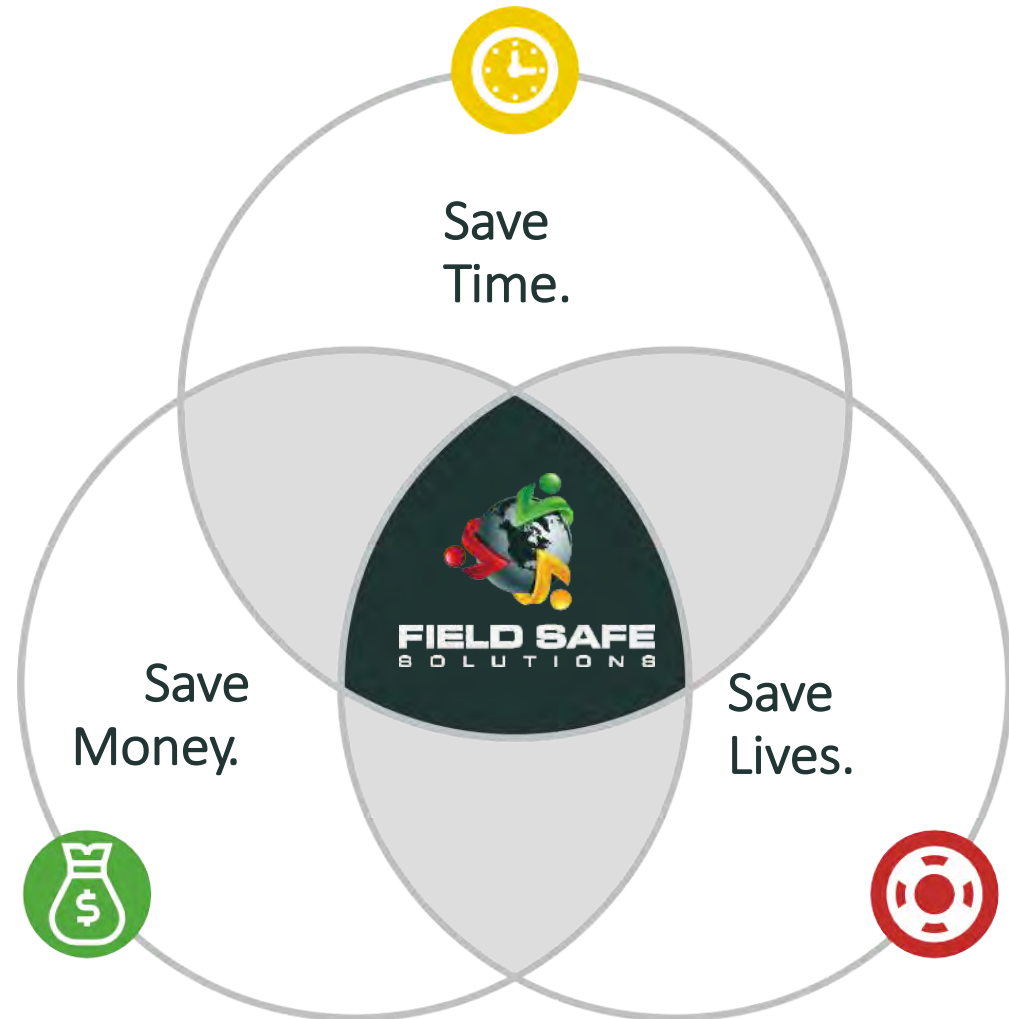


**The Structure, Tower And  
Antenna Council (STAC)**



## Products & Solutions:

-  • Lone Worker Monitoring
-  • Connected Worker
-  • Return to Work
-  • Journey Management
-  • Real-Time Documentation
-  • Safety Ticket Management
-  • Task Completion Workflow
-  • Corrective Actions Register
-  • Compliance Calendar
-  • Mobile Notifications



## SaskPower workers, ages 51 and 40, killed in workplace accident (October 9, 2020)

- Working at heights is a high-risk activity that is mitigated through proper safety procedures, equipment, and training
- In Canada, more than 40,000 workers are injured annually due to fall accidents (OHS Canada)
- Despite prevention efforts, workers continue to fall because:
  - Working conditions such as poor lighting, slippery walking surfaces, and poor housekeeping practices exist
  - Protective devices like guardrails are missing
  - Equipment such as ladders and scaffolds are in poor condition or not used properly
  - Fall-protection equipment is not available, not used, or is misused
  - Work practices are poor due to unclear job procedures, lack of training for workers and workers rushing and taking short-cuts to meet deadlines.



Source: <https://www.cbc.ca/news/canada/saskatchewan/veyburn-critical-incident-1.5757216#:~:text=2%20men%2C%20ages%2051%20and,one%20identified%20as%20Scott%20Bill&text=Two%20SaskPower%20employees%20who%20were,city's%20deputy%20police%20chief%20says.>



## The Safety World Today



### Doing More with Less:

- Need to keep focus on safety tasks



### Compliance Demands:

- Increasing compliance requirements (i.e. COVID health checks)



### Operating in a Pandemic:

- Potential for more working alone
- Communication breakdowns

## Meeting the Challenge

### Know Where Your People Are:

- Be able to send help
- Find opportunities to be more efficient

### Know What They Are Doing:

- Health assessments, incident reporting, inspections, etc.
- Real time, accurate data capture back to head office

### Know What They Should be Doing:

- Compliance tasks, schedules
- Field audits



## • **Optimizing Technician Routing & Efficiency:**

- Understand how technicians travel to improve efficiency and relieve stress

## • **Job Permits for Field Work:**

- Capture accurate data for analysis / incident investigation

## • **Job Safety Analysis (JSA) or Field Level Hazard Assessment (FLHA) Checklists:**

- Opportunity to mitigate risk beforehand

## • **Digital Work Packages:**

- Ensure proper procedures are followed

## • **Compliance Forms:**

- Capture the data you need in the field to ensure compliance to safety & environmental regulations



**1) Do I know where my people (including suppliers and contractors) are and what they are doing?**



**2) Have I developed protocols and procedures to keep them safe?**

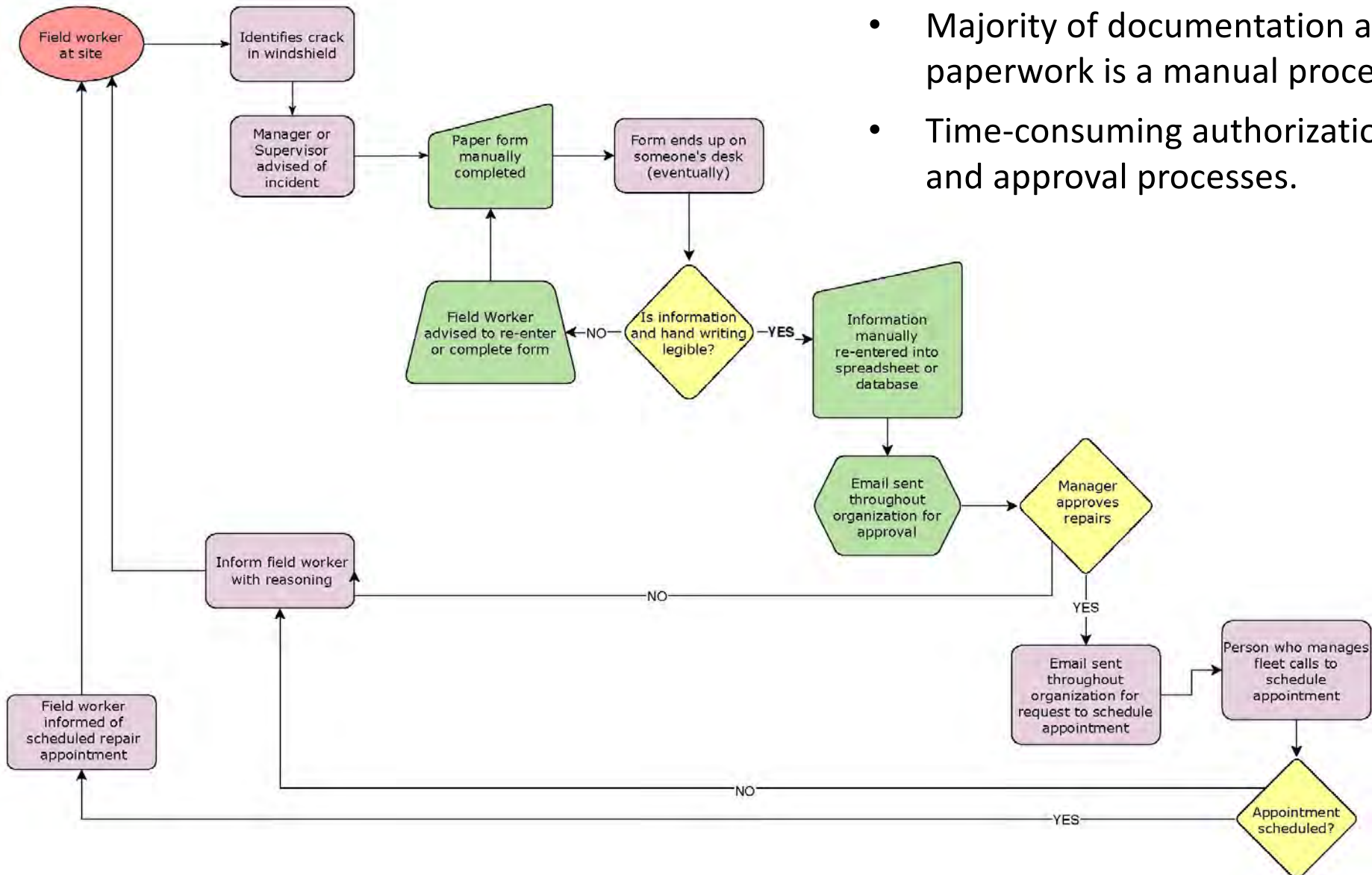


**3) Have I effectively trained my people?**



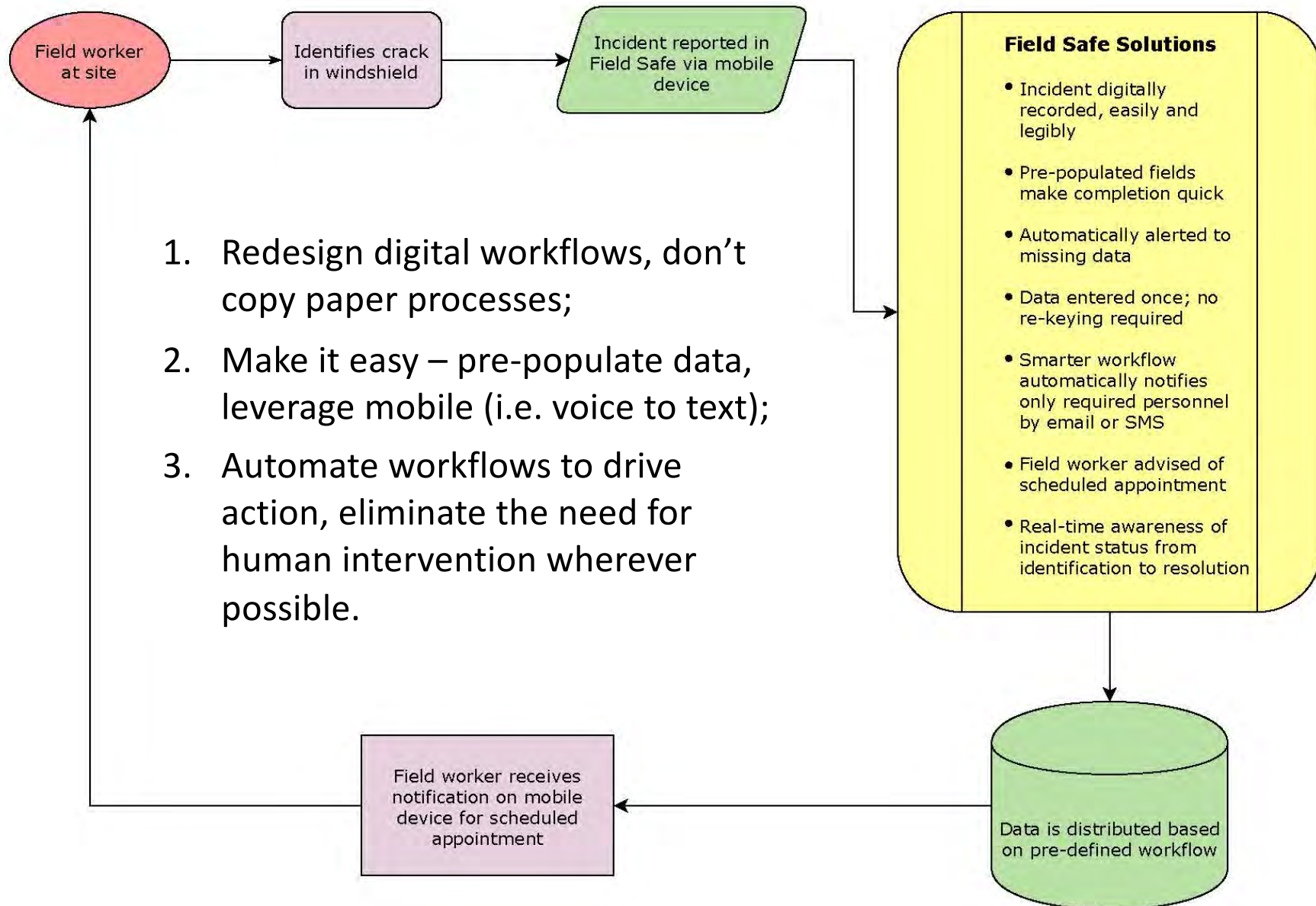
**4) Am I monitoring compliance with policies and procedures?**

- Worker location monitoring;
- Daily health and wellness forms;
- Daily activity updates;
- Real-time status updates for changes;
- Contact tracing;
- Pre-designed forms that meet OSHA requirements;
- Configurable reporting to meet Company specific needs;
- Monitoring of compliance with training through sign-offs;
- Ability to push new content easily;
- Real-time data on compliance and ability to handle issues;
- Data submitted is auditable to prove effectiveness (time, date and GPS position).



- Majority of documentation and paperwork is a manual process;
- Time-consuming authorization and approval processes.







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# Thank you



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