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Safety Assist - Mobile Construction Safety Application with Instantaneous Information Flows and Advanced Data Analytics

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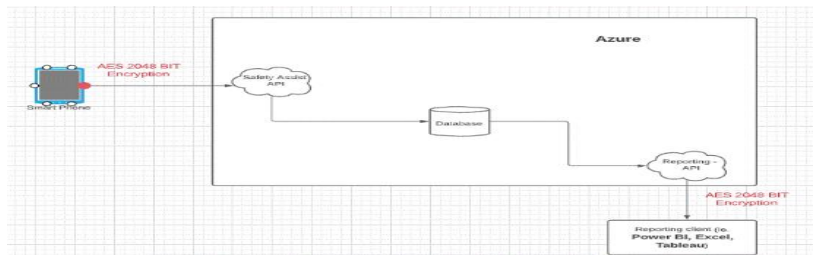
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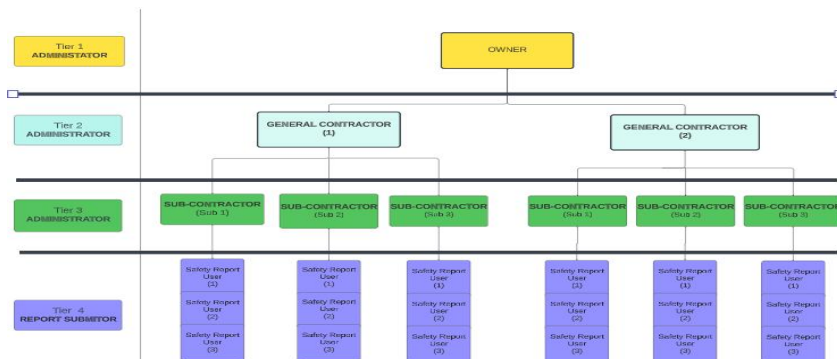
Technology / Capability Overview

Our solution, Safety Assist, provides a digital solution for construction job-site safety that is fully compliant with DoD and OSHA safety regulations. The Safety Assist Solution increases information flow and analysis from days, weeks, months to mere seconds. This creates a leading indicator safety environment. This is our technology foundation:

- We designed a solution that can absorb large amounts of data
- We created a secure cloud incident within Microsoft Azure



- We created APIs to allow integration with third party software
- We created a multi-tier reporting structure



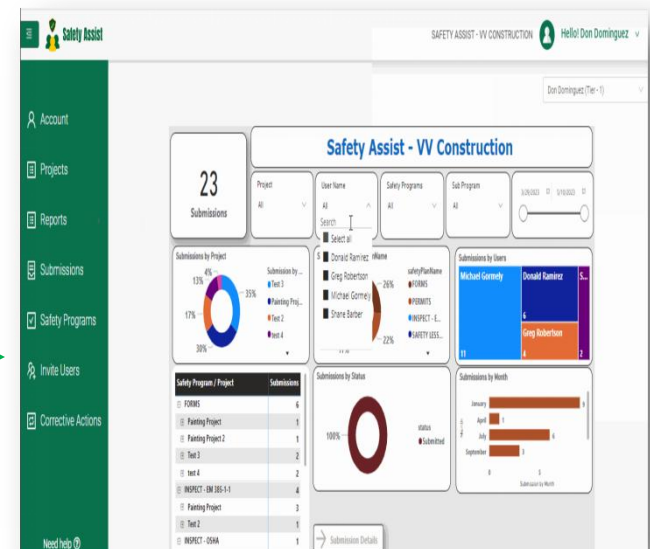
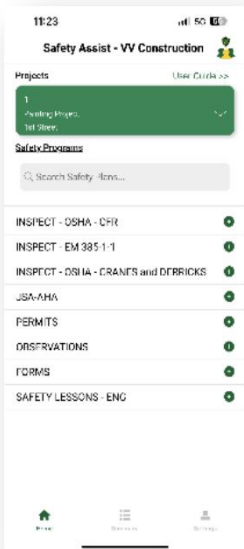
Technology / Capability Overview (continued)

Here's a breakdown of the three main components of our solution:

Comprehensive Mobile Application: provides field personnel with a user-friendly mobile app to conduct safety inspections, and access safety guidelines. Downloaded from Apple Store or Google Play.

Back Office Administration: Allows for centralized control, reporting and analysis of safety-related information. Web-based browser access.

Integration with Microsoft Power BI: Microsoft Power BI, which enables near-real-time data analysis, is embedded within the Back Office Administration component.



Technology / Capability Overview (continued)

The benefits of our digital solution for construction safety are numerous:

Data Collection and Analysis: This data-driven approach can reveal trends, areas of concern, and leading indicators for safety improvements.

Compliance: Ensuring compliance with Army Core of Engineers safety regulations EM 385-1-1 as well as OSHA is critical to avoid legal issues and, more importantly, to protect workers on the job site.

Proactive Safety Management: By providing leading indicators, our solution empowers contractors to proactively address safety concerns and create a safer work environment.

Improved Communication: Our mobile application facilitates better communication between field personnel and safety administrators, enabling a quicker response to safety incidents.

Efficiency: Streamlining safety administration through digital tools can reduce paperwork and administrative overhead, allowing for more efficient safety management.

Overall, Safety Assist is a valuable tool for enhancing safety in construction, **helping both Defense and non-Defense contractors protect their workers and reduce injuries and fatalities.**

The exploration of generative AI for safety in the construction industry is a promising development that can further enhance safety measures and improve overall safety outcomes. These use cases have the potential to revolutionize how construction companies approach safety management:

Compliance Monitoring: Generative AI can play a crucial role in automatically assessing compliance with safety protocols and regulations. This real-time compliance monitoring can significantly reduce the risk of safety violations and associated penalties.

Real-time Monitoring: Generative AI's can continuously analyze data to identify unsafe behavior or conditions and provide immediate alerts. This enables prompt intervention and evaluation of safety concerns, reducing the likelihood of accidents and injuries.

Safety Improvement Suggestions: By analyzing the extensive data collected by Safety Assist, generative AI can provide valuable insights and suggestions for improving safety protocols. This data-driven approach allows construction companies to continuously refine their safety procedures and reduce risks.

Cost Savings: By preventing safety violations and accidents, companies can adhere to schedule requirements and save on potential fines, legal costs, insurance premiums and medical expenses.

Overall, the use of generative AI in safety management is a significant step forward in improving safety in the construction industry, helping protect workers and avoid costly safety-related incidents.

Past Performance of Technology and Company

- We were founded in January, 2017 and have successfully contracted with several DoD customers.
- Safety Assist is a commercialized software product with clients.
- Safety Assist offers a near-real time view of all projects to Owners, General Contractors and Specialty Contractors.
- We incorporate an Agile Development Methodology to allow for new features to be implemented quickly based on customer feedback.
- We deliver a client specific API that allows clients to exchange data with any third-party software.
- Through our APIs we have integrated with Microsoft Power BI.



Brooke Army
Medical Center



Relevance to Combatant Command

Safety Assist improves Command and Control of Department of Defense (DoD) construction projects by offering instantaneous views of all contractors safety behavior and reporting requirements.

Utilization of DoD Safety Regulations: Safety Assist uses Department of Defense safety regulations as a foundation for its safety enhancement processes. Safety Assist incorporates the Army Corps of Engineers EM 385-1-1 safety regulations, a specific set of safety guidelines that are relevant to construction and engineering activities.

Portfolio of Safety Inspection Processes: Safety Assist provides a collection of safety inspection processes. These processes involve guidelines and checklists that need to be followed to ensure safety compliance.

Hazard Recognition Forms: Safety Assist includes hazard recognition forms which are documents used to identify potential safety hazards and report them.

Main Mission: The primary mission of Safety Assist within the DoD is to reduce injuries and fatalities.

In summary, Safety Assist provides a digital solution that can play a significant role in promoting safety and compliance within a large, complex organization like the DoD.

Maturity and Scalability

TRL = 8

Safety Assist is currently being marketed and sold.

SCALING CONSIDERATIONS:

Safety Assist is designed to be highly scalable and is maintained within a Microsoft Azure instance and can be maintained in the Microsoft Azure.gov instance. Our next innovation will be to incorporate AI and ML into our solution to provide real time (<0.5 seconds) prediction responses.

TIME TO MARKET WITH CURRENT FINANCIAL PLANS

We are currently marketing and selling Safety Assist. We continually add value to our solution via our Agile development methodology. Continuous improvement is the key to competitive success.

TIME TO MARKET WITH FINANCIAL ASSISTANCE

The next solution phase is to provide to our clients a real time predictive analysis utilizing AI and ML techniques. Proper additional funding can reduce our time to market by 1-2 years.

Thank for Your Time and Attention!