

Insights learned During the Development of a Domain Awareness Platform for Protecting Schools & Public Soft Targets

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p/e

Balcony

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Qylur XFOUNDRY @ UMD

Open invitation...



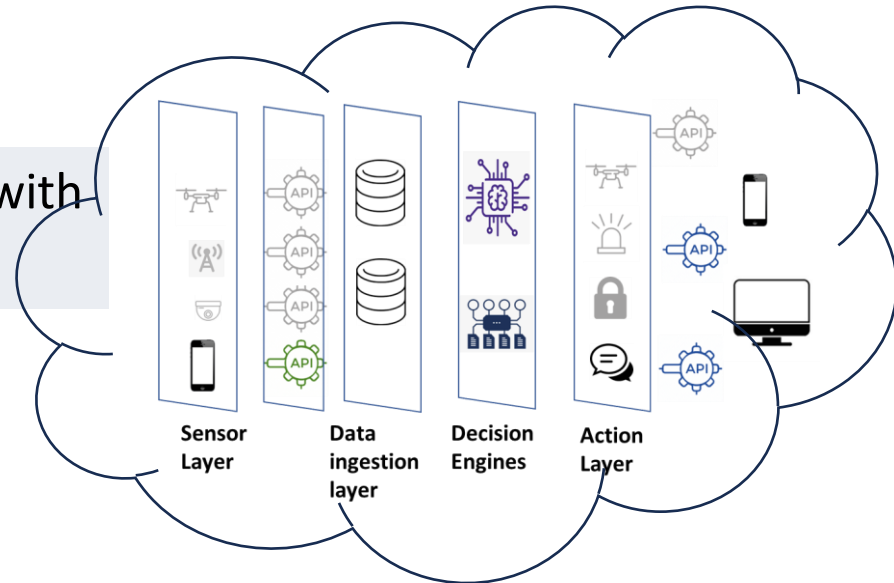
So What Who Cares?



Space: People saving themselves (evidence exists this is #1 method to reduce mortality) First responders need to know where to go

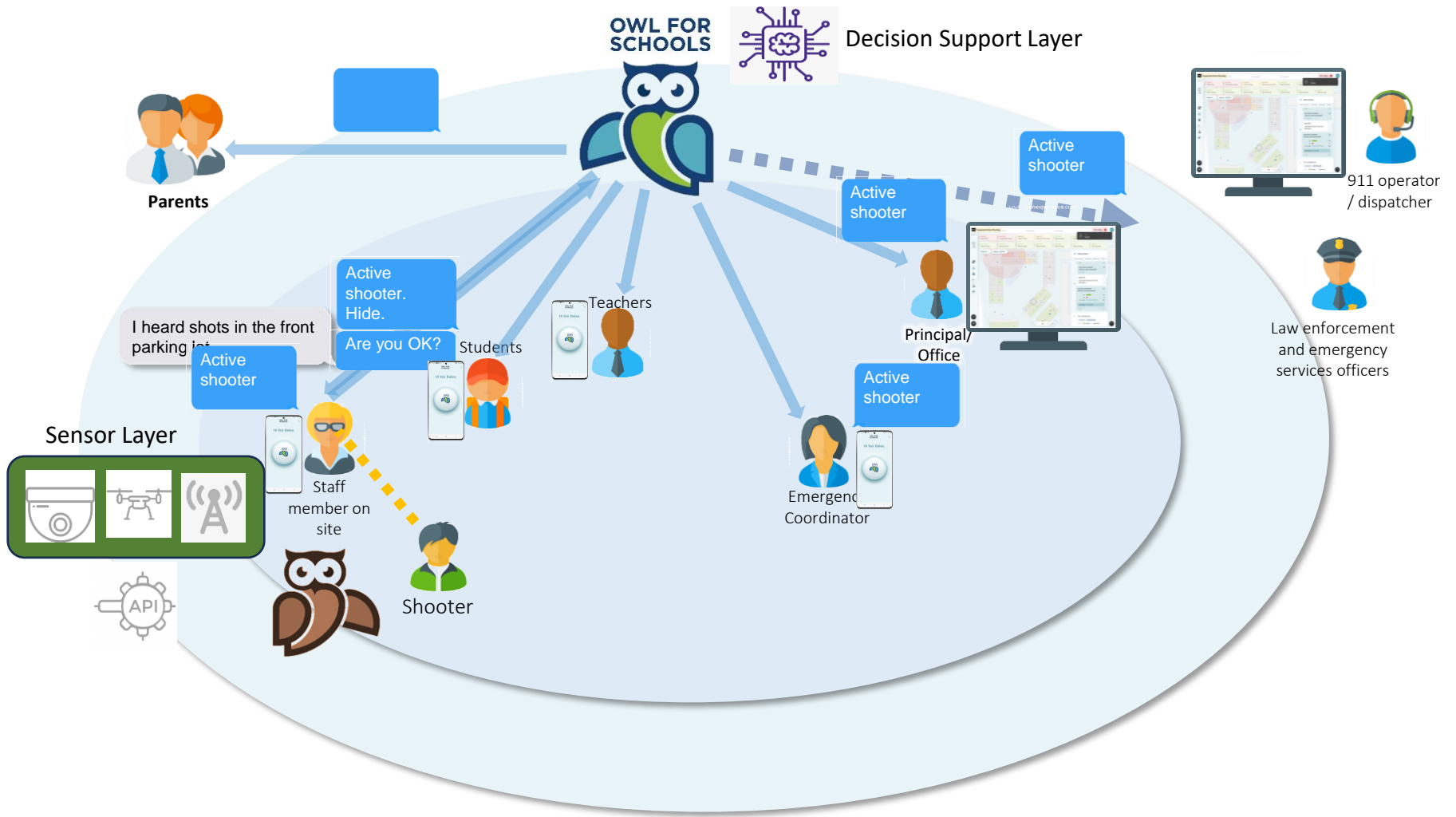
Problem: Victims and first responders need more information to save themselves (where to go)

Solution: Decision support system with the following layers



TRL 8: Prototype under testing

How to work with us: Contact Haley.Braff@CATS2.org

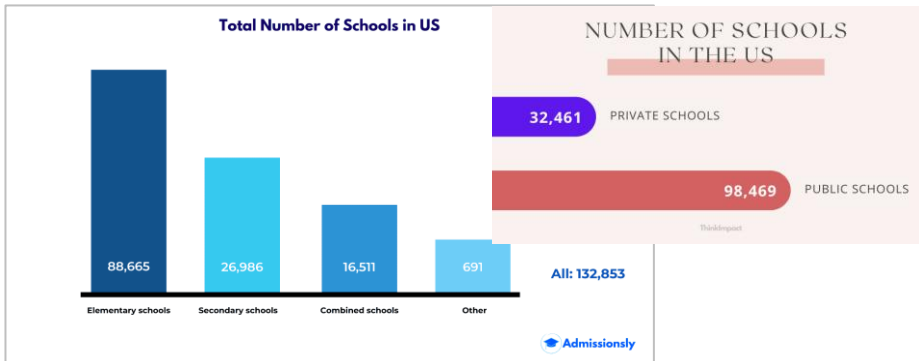
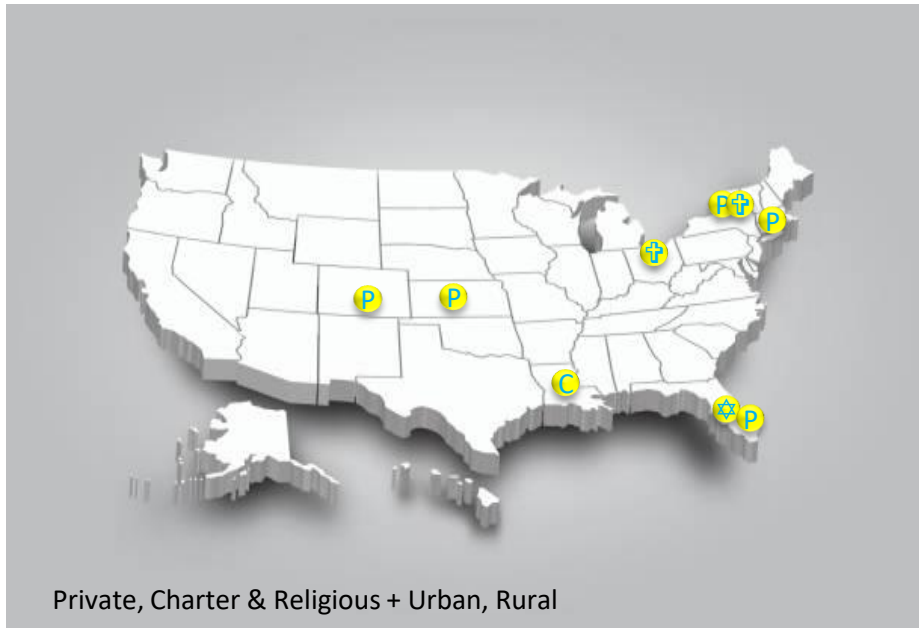


DEMO



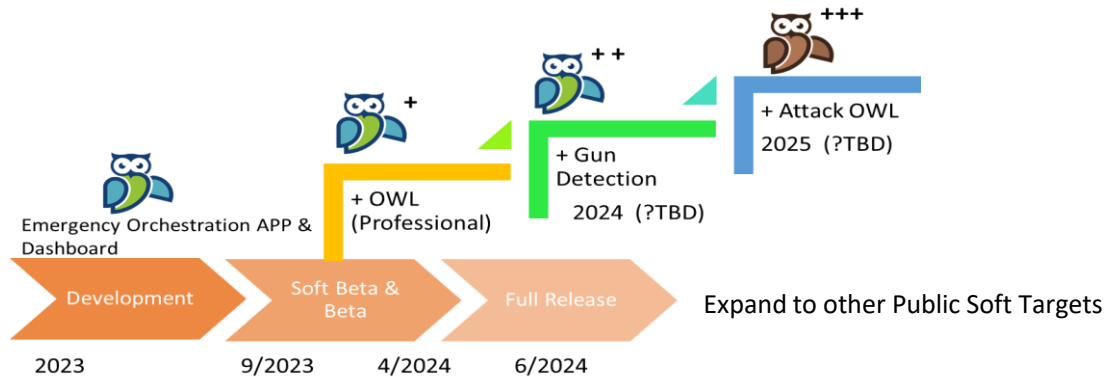
[Link to OWL](#)

End User Development Participation insights



- Too many resources, too long, too many words that are unclear ex: “Lock Down” vs. “Lock Out”
- RUN HIDE FIGHT not helpful under attack
- Over 30,000 schools are using ALICE protocol by Navigate 360
- All schools we spoke to had some form of lock down some for hours
- High Stress/ High ‘PTSD’ from drills, lockdowns, fear
- Many schools using intercom and broad + uncontrolled or mass messaging
- SRO’s are not a given, are hired and fired according to budgets
- No one on site to help orchestrate and decide what to do first minutes ‘on their own’
- Cell phones though ‘should not be used’ but are used in emergency
- Most popular Mass notification Apps: Everbridge and Navigate 360.
- 2022: 67% of K-12 Schools in the US meet the FCC internet connectivity benchmark of 1Mbps per student = 23.5 million students still lacking. (Connected Nation, 2022 Report on School Connectivity)

What is Next and how to work with us



11/23 - 1/23 Dev.
Participation
Workshops

R&D:

- * Improved Geo Location
- * Low Cost on site mapping
- * Decision Support Algorithms
- * Leverage as Test Bed

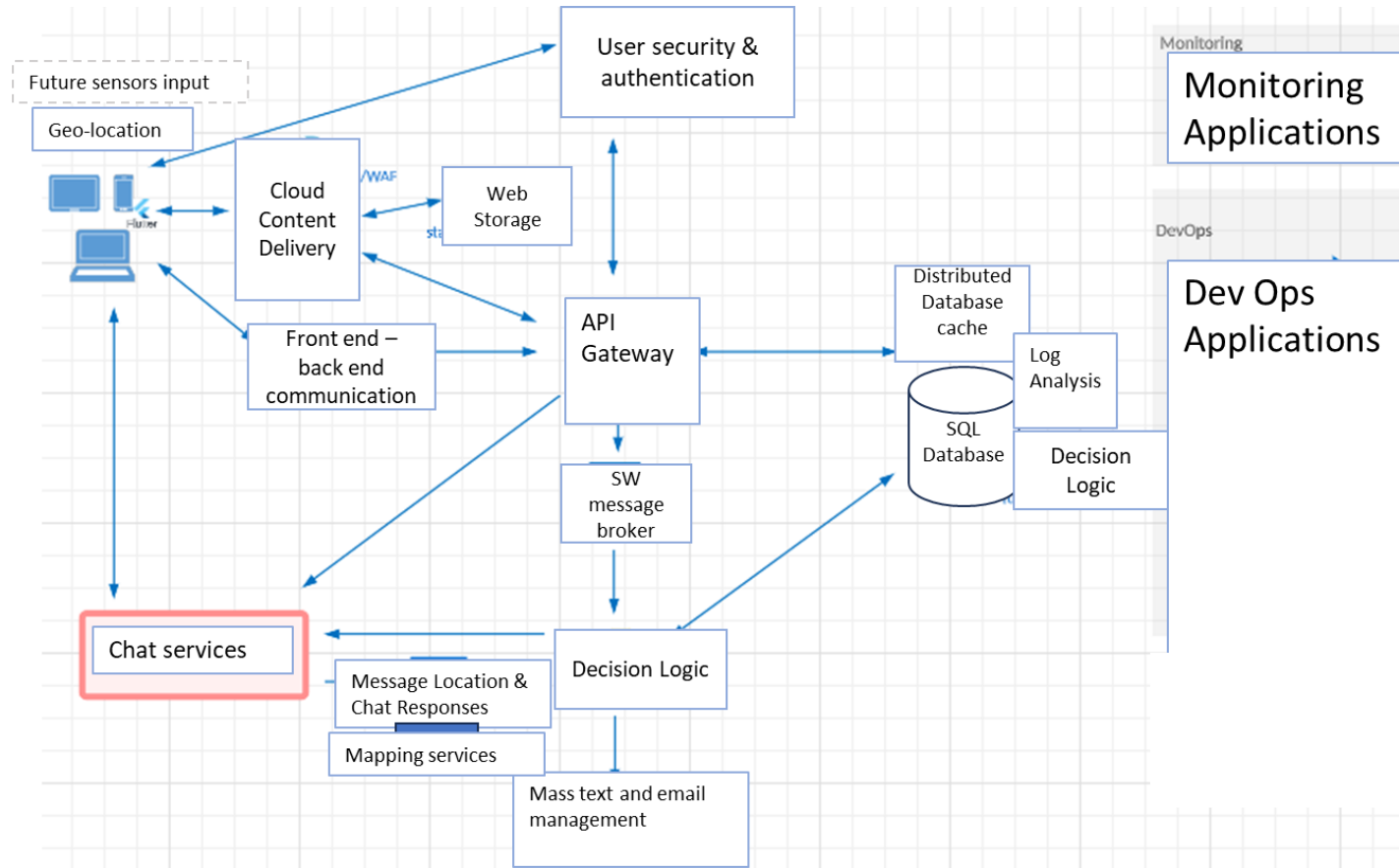


Contact:
Haley.Braff@CATS2.Org
Community Outreach Specialist



Backup slides

Master Architecture



Problems that need to be solved to Support public awareness platform :

1. Self use/ automated tools for use by 'lay persons' that are on site under attack
2. Extreme ease of use
3. Precise and orchestrated communications
4. Ways to reduce event chaos
5. Ways to reduce PTSD
6. Uniformity in security policy
7. Better geolocation technology
8. Cheap automated indoor mapping
9. 'Attack the Shooter' decision making algorithms
10. COST