

ADEPT03: What Did We See, Hear and Not Hear?

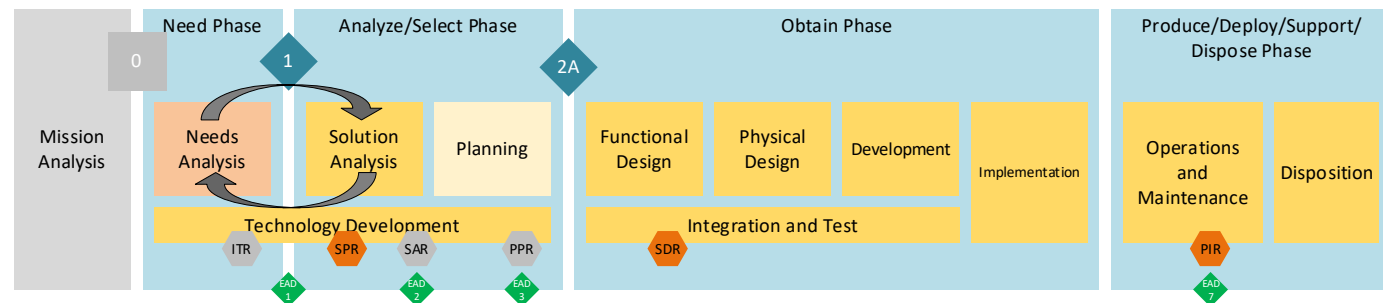
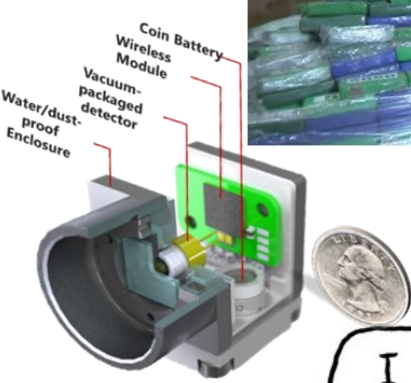
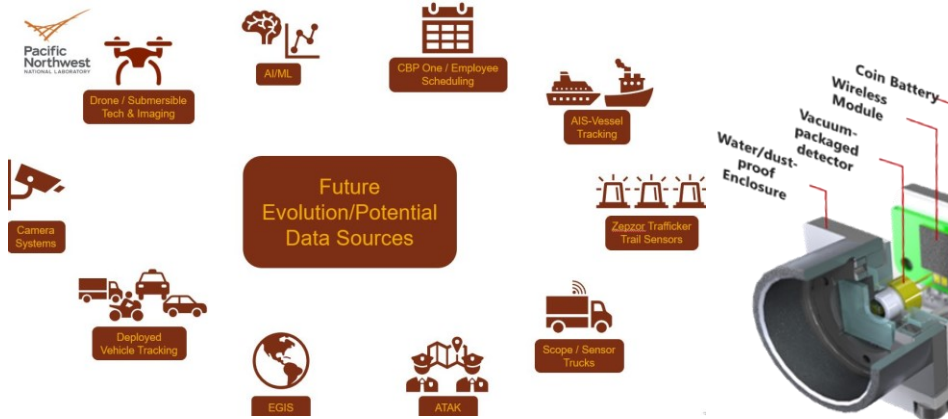
Harry Martz, Lawrence Livermore National Laboratory

Carl Crawford, Csuftwo

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What Did We See?

United States Ports of Entry



Drug overdose deaths top 100,000 annually for the first time, driven by fentanyl, CDC data show

By Deidre McPhillips, CNN

Updated 10:07 AM ET, Wed November 17, 2021

What Did We Hear?

- Daunting problem - #POE, contraband types, parcels, containers, cost of secondary inspection (PFA), FA's are expensive
- DHS wants technology providers to understand CBP CONOPS and needs; providers also want this information.
- Technology providers may over sell their technology
- Why the tricorder (Passport) effort failed
- Collaboration leads to faster deployment of enhanced solutions
- Strong international cooperation; however, harmonization required locally and world-wide
- Funding processes (BAA, SBIR, SVIP, BOA)
- Vendor perspectives & emerging technologies
- Speed dating and Hackathons
- Procurement biased towards (correct wording?) large vendors; difficult for small companies

What Did We Not Hear?

- Metrics used by CBP (is seizure rate better than PD & PFA)
 - Differences from TSA
- Open access to data for training algorithms
- How difficult it is for US Gov't to fund technology development
- Sufficient discussion at this event (virtual events have limitations)
 - Will collect questions and distribute answers
- Path from invention to deployment and making money
 - Requirement specifications
- Role of targeting & artificial intelligence

ADEPT04

- Possible topics
 - Adapting screening to adapting adversary
 - Machine learning, artificial intelligence – training, testing, adversarial attacks
 - Access to datasets
 - Incentivizing innovation and development
 - Privacy, unanticipated threats, cost to adopt technology, how to engage the best and brightest?, refresh cycles
 - Hardware, software, sensor futures
 - Case studies on successes and failures
 - Overcome the valley of death (DOD EMD - engineering and manufacturing development– series 500)
 - International collaboration
 - Commonalities and differences between POEs
 - Human factors
 - Networking & cybersecurity
 - FAR limitations
- Possible date: TBD
- Possible formats: in-person (preferred), virtual, hybrid (probably not)