

# MOBILE ENVIRONMENTAL CONTAMINANT SENSORS

## PROBLEM

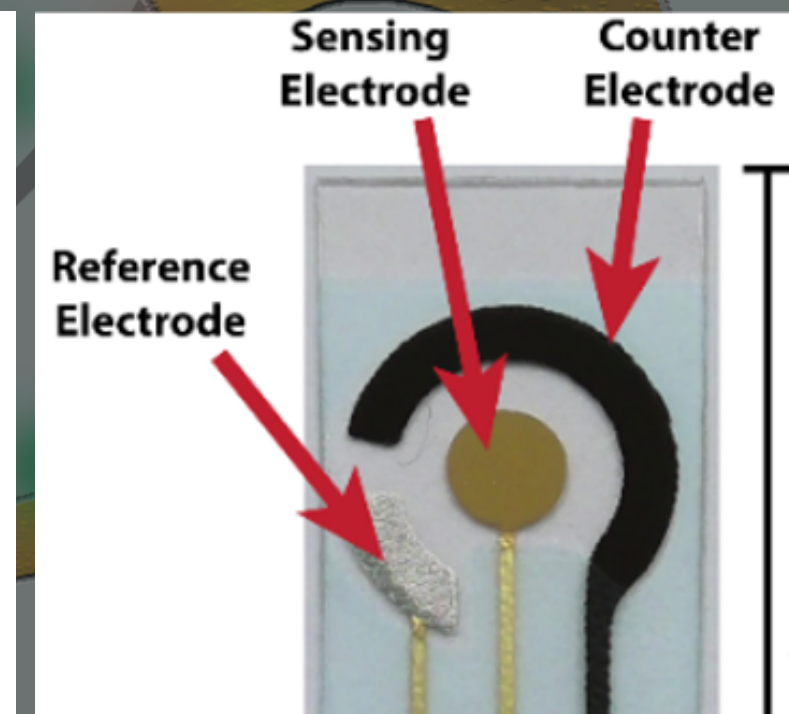
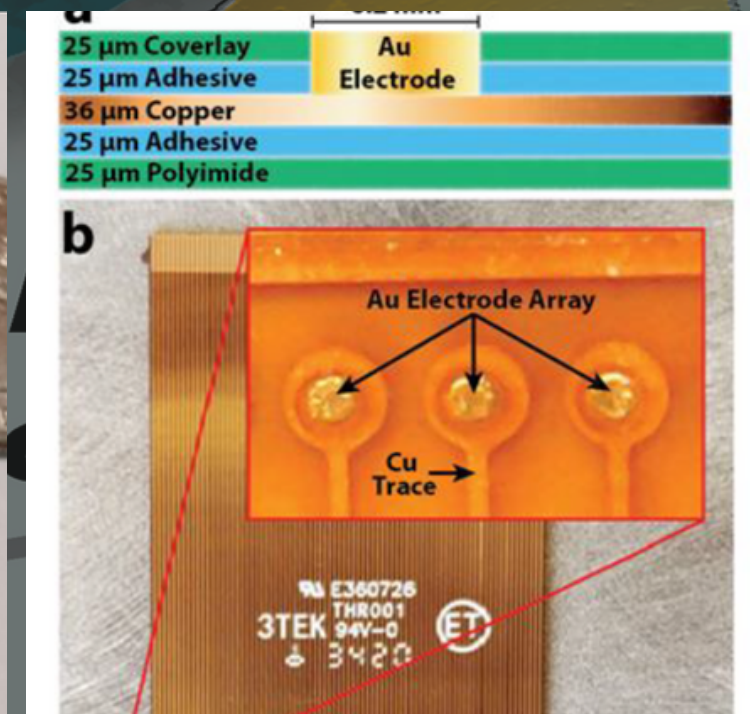
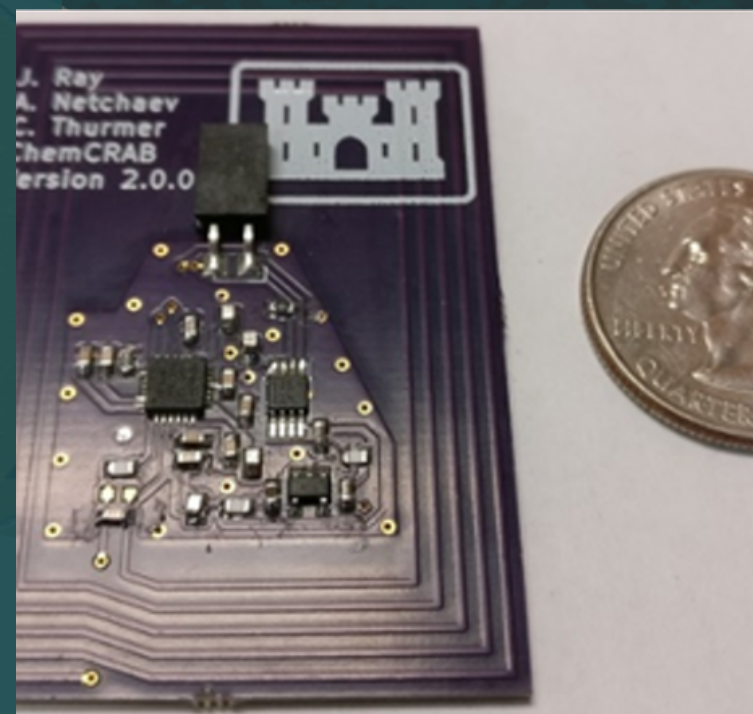
- Certain environmental contaminants are highly dangerous (e.g., heavy metals, algal toxins, fentanyl analogs, chemical warfare agents) and field-portable detection is not currently possible

## SOLUTION

- Develop electrochemical and/or optical transducers to interact with high selectivity and sensitivity with chemicals
- Develop field-portable instrumentation to measure changes in fabricated transducers

## IMPACT

- Rapid decision making to avoid detrimental impacts of environmental contaminants
- Increased soldier and civilian safety





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## APPLICATION

- Past clients and end users with applications that successfully met mission execution requirements
- Current clients and end users with applications that meet current mission execution requirements
- Future potential clients and end users with applications to meet next mission execution requirements

## STATUS

- Major execution milestones and delivery schedule
- Product development status
- Completed products ready for and/or in technology transfer phase

## BENEFITS

- Broadened spectrum of benefits
- Improved product quality
- Reduced levels of effort
- Shortened timeframes to delivery
- Lowered costs