

# CBDAIF Filtration Sector Report

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# *Emerging Filtration Technologies*

- Advanced / novel adsorbents
  - Near-drop-in replacement for single-pass filtration systems
  - Targeting a broader spectrum of Toxic Industrial Chemicals (TICs)
- Catalytic oxidation
  - Oxidizes chem/bio threats
  - Broad spectrum, can withstand multiple attacks
- Nano-porous hollow fiber membrane
  - Reduces size/power requirements for regen systems
- Sterilizing air pump (bio protection only)
  - Uses heat and shearing forces within pump to

# *Other Issues / Questions – Filtration Sector*

- QDR Impacts / implications to CBRN filtration sector?
  - QDR talks about detection (bio-surveillance, CBRN detection), medical countermeasures, nonproliferation programs, but little is said about filtration. Is there going to be additional funds allocated to address greater filtration needs?
- Harmonization between military and first responder equipment
  - As TIC threats become more significant relative to CWA, this will become more important
  - Willingness of industry to invest if there is a broader market for products