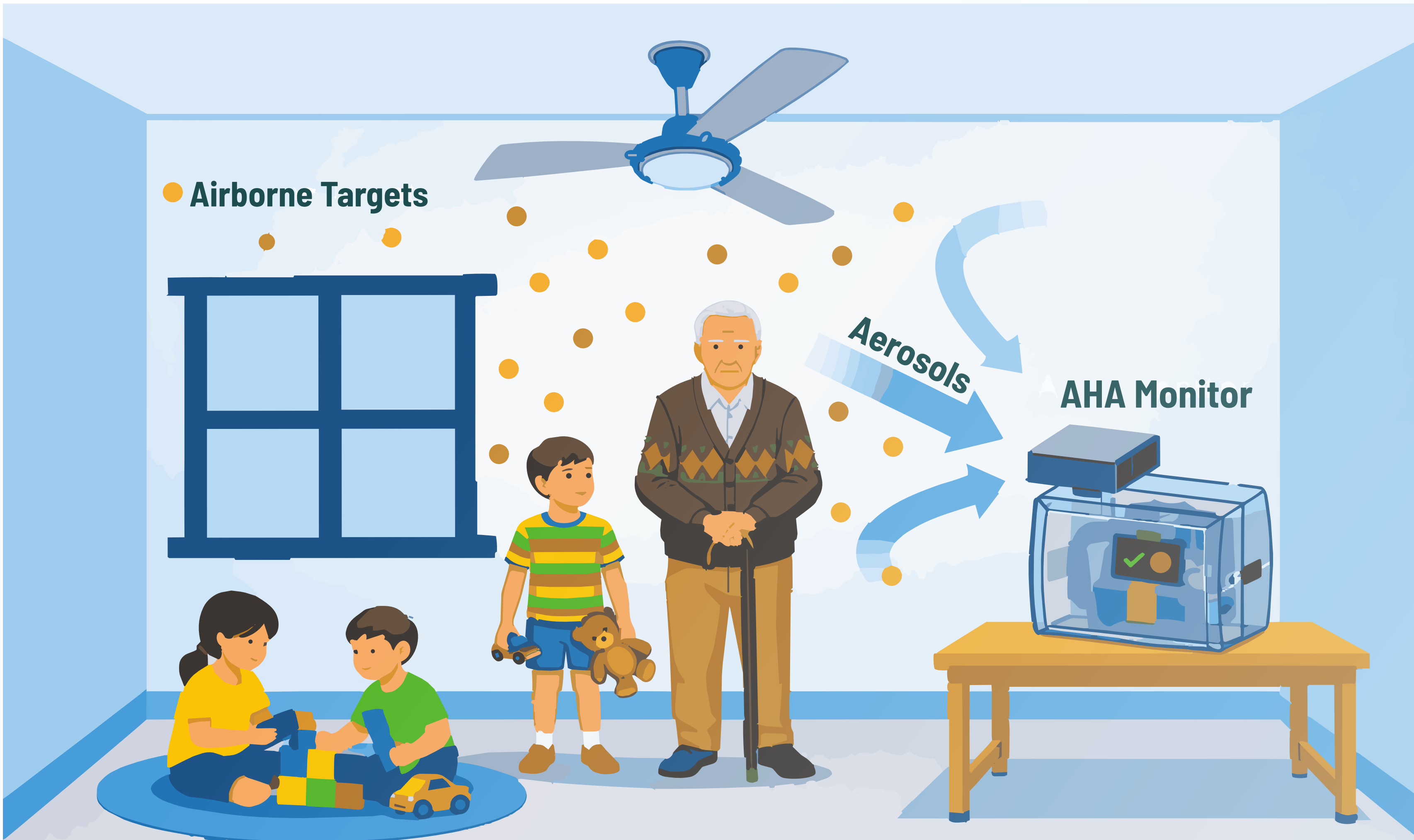


TECHNICAL AREA 1: BRAVE Biosensors
REAL-TIME MONITORING OF THE AIR WE SHARE



Real-Time Air Tracking: Monitors the air inside buildings to detect bioaerosols in real-time and allow the building management system to respond accordingly.

Longer, Healthier Lives: Prevents chronic illness and extends lifespans by stopping the spread of respiratory illnesses in public spaces.

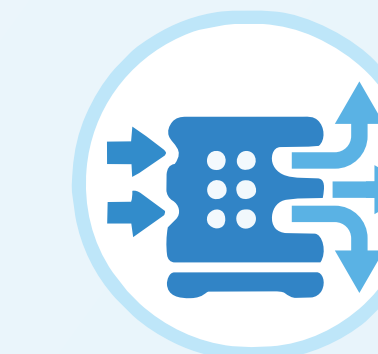
All-in-One Defense: Tracks multiple different targets simultaneously, acting as a complete shield for community health.

Affordable Protection: Delivers a low-cost safety solution for schools and offices without needing expensive laboratory equipment or specialists.

WINS & PROGRESS SO FAR



BIOSENSORS VALIDATED AND DELIVERED FOR 10 DIFFERENT TARGETS (3 ALLERGENS, 4 VIRUSES, AND 3 BACTERIA)



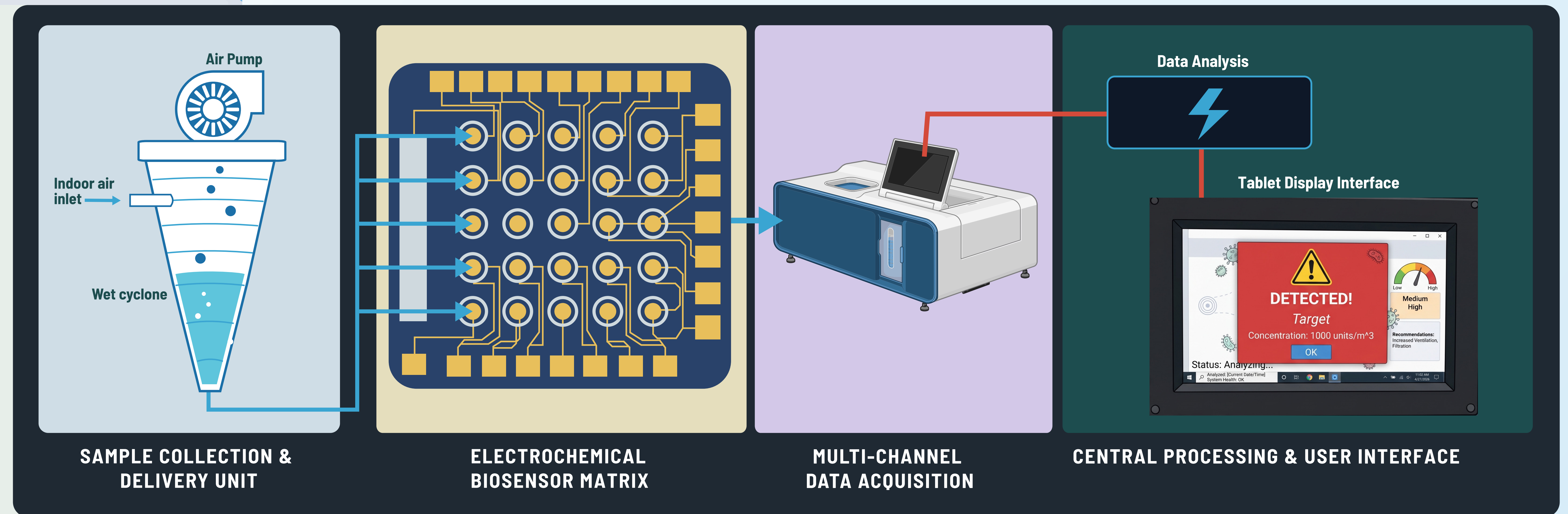
BIOAEROSOL SAMPLER ACHIEVED A HIGH FLOW RATE OF 1000 LITERS PER MINUTE



LIMIT-OF-DETECTION REACHED AS LOW AS 100 TARGET PARTICLES PER M³

AGILUS® HEALTHY AIR (AHA) MONITOR: AUTOMATED MULTIPLEX MONITORING SYSTEM

Indoor air is captured into a liquid medium by a wet-cyclone collector, distributed across parallel electrochemical biosensor chambers, multiplexed through a serial switcher, and read by a central data acquisition and analysis unit that drives the user interface.



AHA MONITOR FEATURES

- HIGH EFFICIENCY AIR SAMPLING**
- SYSTEM AUTOMATION**
- ACCURATE AND SPECIFIC TARGET MONITORING**
- RELIABILITY UNDER VARIOUS CONDITIONS**
- MULTIPLEX PLATFORM EXPANSION**

PATH FORWARD: BUILDING AN INTELLIGENT BUILDING SYSTEM FOR LIFELONG WELLNESS

- ENGINEERING THE AHA PLATFORM**
Reducing noise for indoor applications. Making it more robust, requiring less maintenance and consumables.
- EXPANDING BIOLOGICAL INSIGHT**
Developing a library of biorecognition elements to expand the biosensing capabilities to 100-plex.

BUILDING THE DIGITAL NERVOUS SYSTEM
Integrate directly into a building's central management system. Create a smart biosensing security system that automatically pumps in fresh air to clear out airborne threats the moment they are detected.