

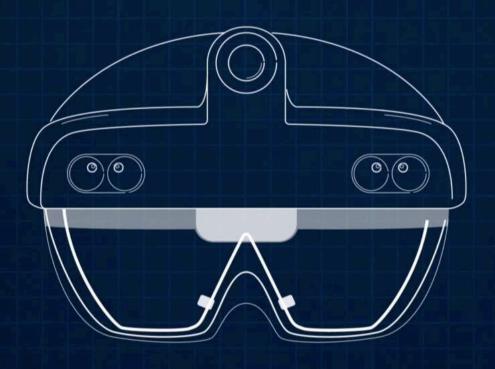
How AR and VR will shape the Command Post of the Future

MARCUS ANZENGRUBER







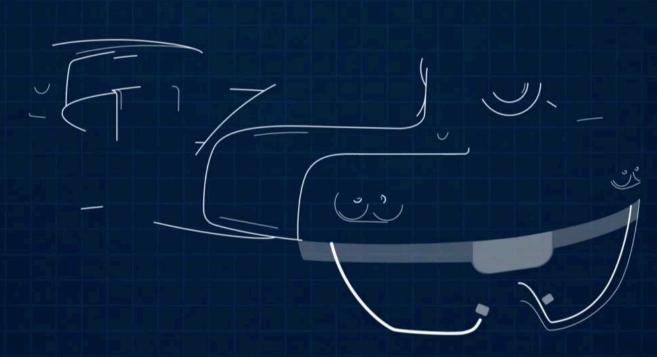














— IVAS requirements

- -
- Auto-target detection (personnel and weapon detection)
- Day/Night Rapid Target Acquisition (RTA) from Family of Weapon Sights-Individual (FWS-I) and remote viewing from Family of Weapon Sights-Crew Served (FWS-CS)
- Target Cueing



— IVAS requirements

- -
- Route planning
- Trip Wire Detection
- Camera based foreign language translation
- Audio based foreign language translation
- Anticipate user needs and provide courses of action

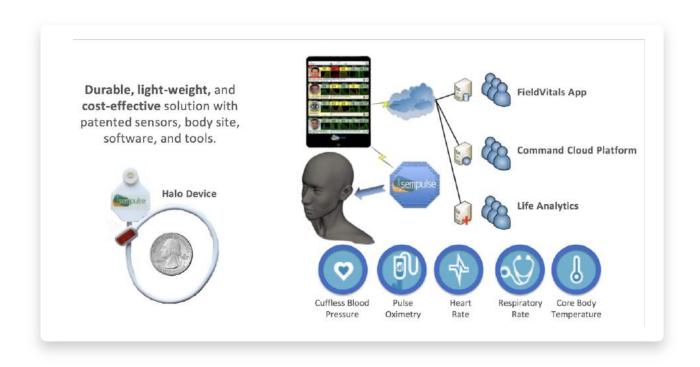






Biometrics data

Biometrics i.e. heart rate, blood pressure, eye tracking, and temperature



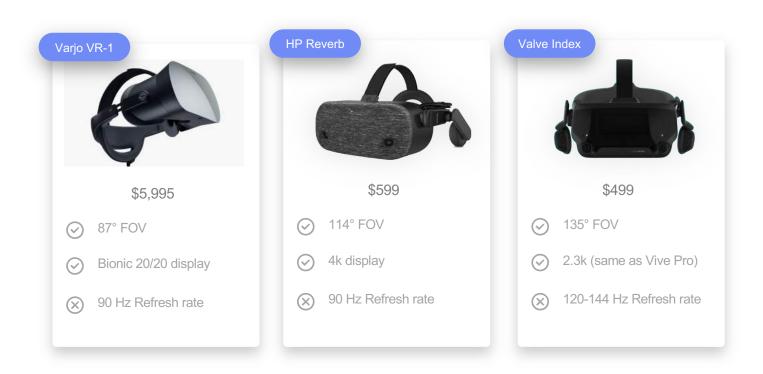




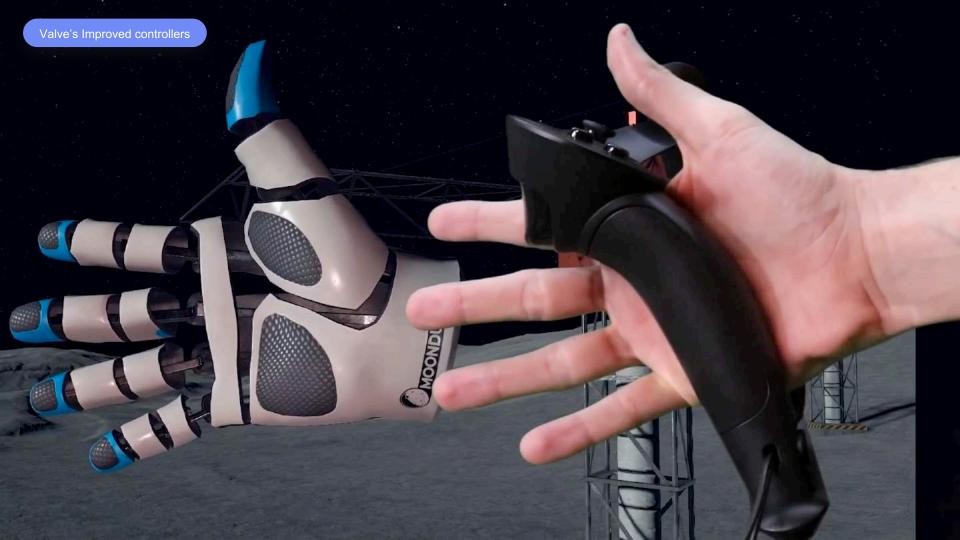




New HMDs with improved resolution



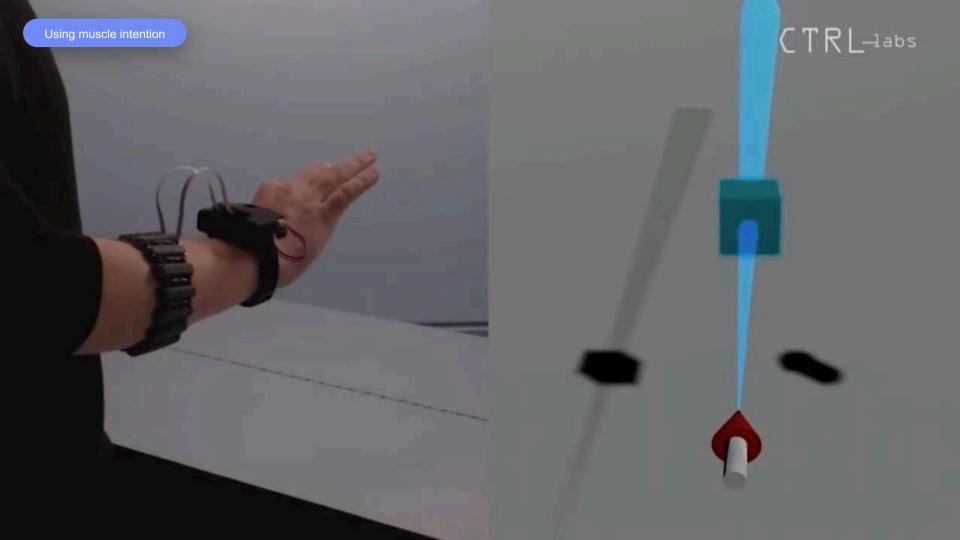


















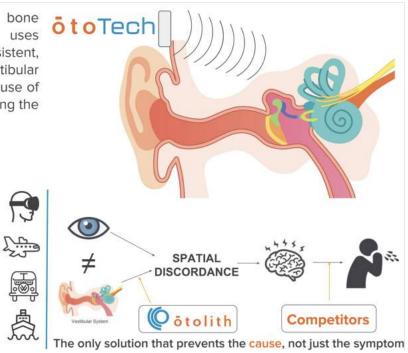




Preventing motion sickness

OtoTech is a precisely-tuned bone conduction transducer that uses vibrations to provide consistent, noninformative stimuli to the vestibular system. This prevents the root cause of motion sickness rather than treating the symptom of nausea.

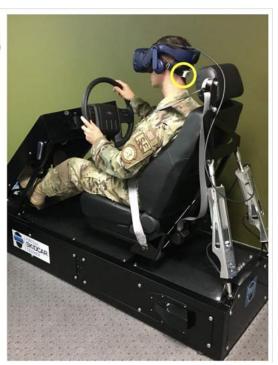
- Effective in Seconds
- Stays Effective Indefinitely
- No Side Effects
- Non-Invasive
- Non-Distracting
- Comfortable
- Virtually Silent (<50 dB)
- No Gel
- Can be Integrated with Headlamps, Helmets, Headphones, and Other Equipment



Preventing motion sickness

DRIVING SIMULATORS

- Currently Deployed with Driving Simulators Produced by VR Motion
- Actively Used by US Air Force
- Over 1000 Use Cases
- 20-30% Dropout Rate Reported without Otolith Technology
- Less Than 1% Dropout Rate Reported with Otolith Technology













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Thank you!