

Introducing

knoWhere

Science fiction grade attention, and emotion tracking infrastructure

Why Now:

Eye tracking exists, and monitoring of human emotion exists. Tracking of humans in spaces with cameras is commonplace. Combining both is incredibly hard and fraught with trust abuse potential.

We have a solution in this moment thanks to Al and advances in camera technology

One platform, many incredible use cases

- This call targets creative media, but we are exploring other use cases in detail. We'd love to tell you more about how we can optimise high end retail, in physical spaces.
- Expanding ultra high end digital exhibitions.
 - What if we can give each visitor and experience that's crafted for just them.
 - Viable MVP. Two year development arc...

Every visit is different, every visit is personal.

Today's digital experience destinations need to be able to differentiate themselves, attracting the best global creatives, driving revenue, creating lasting memories. Our AI solution, knoWhere, offers a unique approach, significantly enhancing visitor experiences. By utilising images from on-premise cameras, we unlock enormous narrative potential for experience designers. Our solution's unique value proposition provides detailed real-time data about every visitor, enabling sound and images to be created in real time, and targeted per user, providing personal journeys.

It works like this:

- Combine personal contextual data, human gaze, and real-time emotional tracking.
- knoWhere distills a simple anonymous data stream.
- Nothing touches disk. Nothing touches the internet.
 Everything is instantly destroyed. Assured private.
- Designers build incredible emergent journeys, weaving generative AI with core themes; presenting different light and audio to each visitor.

A strong team

You will all doubtless have seen the Time cover by now, but what might be less clear, (I am embarrassed to admit), is that I was forced to photoshop my hat back on for this presentation today.



Collaboration Partners

QuasiScienceBespoke dataengineering



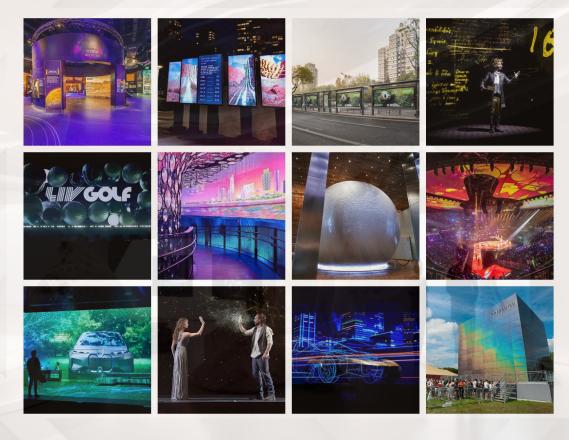
- Flossverse High bandwidth real-time Al and graphics
- Immersive International
 World class experience design





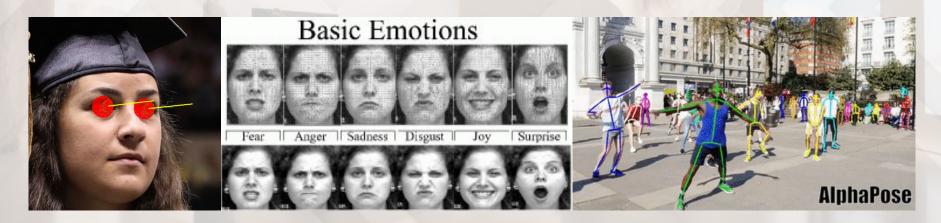


Immersive is a creative masterplanning, design and innovation studio, unifying Experience Architects, Creative Technologists and Spatial Storytellers.



What's behind this Al approach?

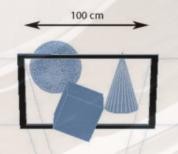
- Alphapose (2) mature code, available under license
- Insightface (5) new and credible MIT license code
- Face-Emotion-Detection (3) many options, bias?
- Micro and macro body and facial gesture (1)



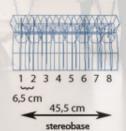
How we support the experience designers to disrupt their industry:

- Elevating experience through personalisation
- Truly novel disruptive
- Rapidly to market





400 cm





NOW

- Funding for hardware and development time
- Attack the harder problem first
- Product market fit, market size
- Comprehensibility of the idea

NEXT

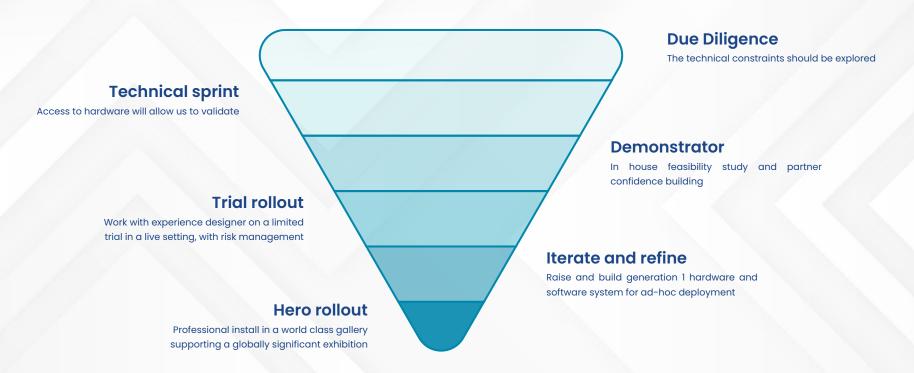
- Develop MVP test bed with Immersive
- Iterate and refine
- Branch for prosumer and retail vertical
- Quantitative analysis

LATER

- Series A R&D development sprint
- Risk managed live pilot
- Scale to a hero venue / exhibit
- Refine to global markets

Two year path to global market (exhibitions only)

We feel well positioned to begin exploring and implementing.



Estimated addressable market £25-200M

Biggest challenges in implementing the system

- Immature market. Experience designer constraint
- Real time pose engine is noncommercial
- Occlusion can be tricky with space constraints
- Macro gesture is hard, micro gesture is harder
- Potential biases (mitigated by visitor data)
- The rich dataset is a privacy concern (nullified)
- Data bandwidth is incredibly high (trial needed)

PREIMINA

VP-144/288MX2 Series

144/288-Megapixel Thermoelectric Peltier Cooled Camera with CoaXPress 2.0 Interface



Bleeding edge tech, this is only JUST viable this year

150Gbps per room At 20FPS at around 7 meters distance "Our goal is to supercharge venue owners, providing an advanced platform that attracts global experiential talent who wish to unlock the future of in place storytelling.

Combined with generative AI our platform allows private but interconnected stories for groups, families, and individuals, supporting safe, unforgettable experiences."

...plus, we can disrupt other markets

Retail high level plan:

Edge compute strip and anonymizes commodity cameras in the shelving. Pose mesh and attention data are sent from known locations wirelessly No camera data is stored. Wireframe pose data and eye target is stored



knoWhere

SciFi Attention Infrastructure Today

Thank you.

Marco / John

Appendix, retail application

For today's high end retail environments, navigating the complexities of debugging consumer choice in a physical space, our Al solution, knoWhere, offers a unique approach which will result in best in class data. By utilising images from on-premise cameras, we enable to monitor and analyse browsing attention against purchase outcomes. Our solution's unique value propositions include spatial and attention tracking through AI, because of our deep understanding of high bandwidth data stream and Al.