



Quran Orion AR • Executive Pitch Deck

Sacred Spatial Prompter for Meta Optical Smart Glasses & Meta Horizon OS

- META VR START COMPETITION 2026
- PRODUCTIVITY TRACK
- IWSDK (WEBXR) + HORIZON OS NATIVE
- WEBXR JOINT TRACKING

1.8B+
GLOBAL MUSLIMS

< 25mm
MICRO-PINCH JOINT TRACKING

1.5s
ADAPTIVE HESITATION WINDOW

100%
WAVEGUIDE OPTICAL TRANSPARENCY

1. Executive Summary & Problem Statement

For over 1,400 years, memorizing and reciting the Holy Quran has been preserved by millions of Huffadh and congregational Imams. However, in Islamic jurisprudence (*Fiqh*), leading prayer (*Salah*) strictly forbids holding a phone, tablet, or physical book—excessive extraneous physical motion (*Harakah Kathirah*) and gaze deviation invalidate prayer. Furthermore, traditional VR headsets isolate the worshipper, blocking their view of the congregation and prayer mat.

2. The Innovation: Sacred Spatial Computing

Additive Waveguide Optics

Defaults to pure black (#000000). On Meta Orion's diffraction waveguides, black pixels emit zero light, rendering the display 100% transparent. Only radiant gold scripture floats ambiently.

Phonetic Speech Tracking & Hesitation

Listens continuously with millisecond precision. If the reciter hesitates past 1.5 seconds, Orion gently illuminates only the next word hint, preserving sacred flow without clutter.

Sub-25mm Euclidean Micro-Pinch

Using raw WebXR joint tracking across 25 hand bones, subtle micro-pinches (<25mm) unmask hints discretely while hands remain naturally folded in prayer posture (*Qiyam*).

Mawdi' al-Sujud Hands-Free Gaze-Dwell

Imams look downward toward the prostration spot. A calibrated gaze-dwell line triggers hints hands-free during bowing and prostration, preserving prayer validity.

3. The 4 Contextual Spatial Modes

Mode	Target Environment	Interaction Model & Privacy
Judge & Demo Active by default	Evaluation & live testing	Instant zero-hardware review with Sheikh Al-Husary Murattal audio and English phonetic transliteration pre-loaded.
Hifz Study	Solitary memorization & revision	Word masking, audio repetition, transliteration overlays, temple-tap page turning.
Imam Salah	Congregational prayer leading	100% silent, zero-touch, dev tools stripped away, auto-dims to 35% during Rukū' & Sujūd to preserve reverent focus.
Imam Follower	Worshippers standing in rows	Synchronized congregation HUD with automatic pacing lock enabling congregants to visually verify recitation.

4. Meta Horizon OS Standalone Package Architecture

Packaged as a standalone Horizon OS application (`com.jnolabs.quranorion`) with `minSdkVersion 29` and `targetSdkVersion 32` (Android 12L / Horizon OS). Cryptographically signed with release keystore via **APK Signature Scheme v3** and uploaded to the **Meta Quest Alpha Release Channel**, paired with over-the-air Cloudflare Pages edge deployment and full offline Service Worker caching for resilience inside historic stone mosques.