



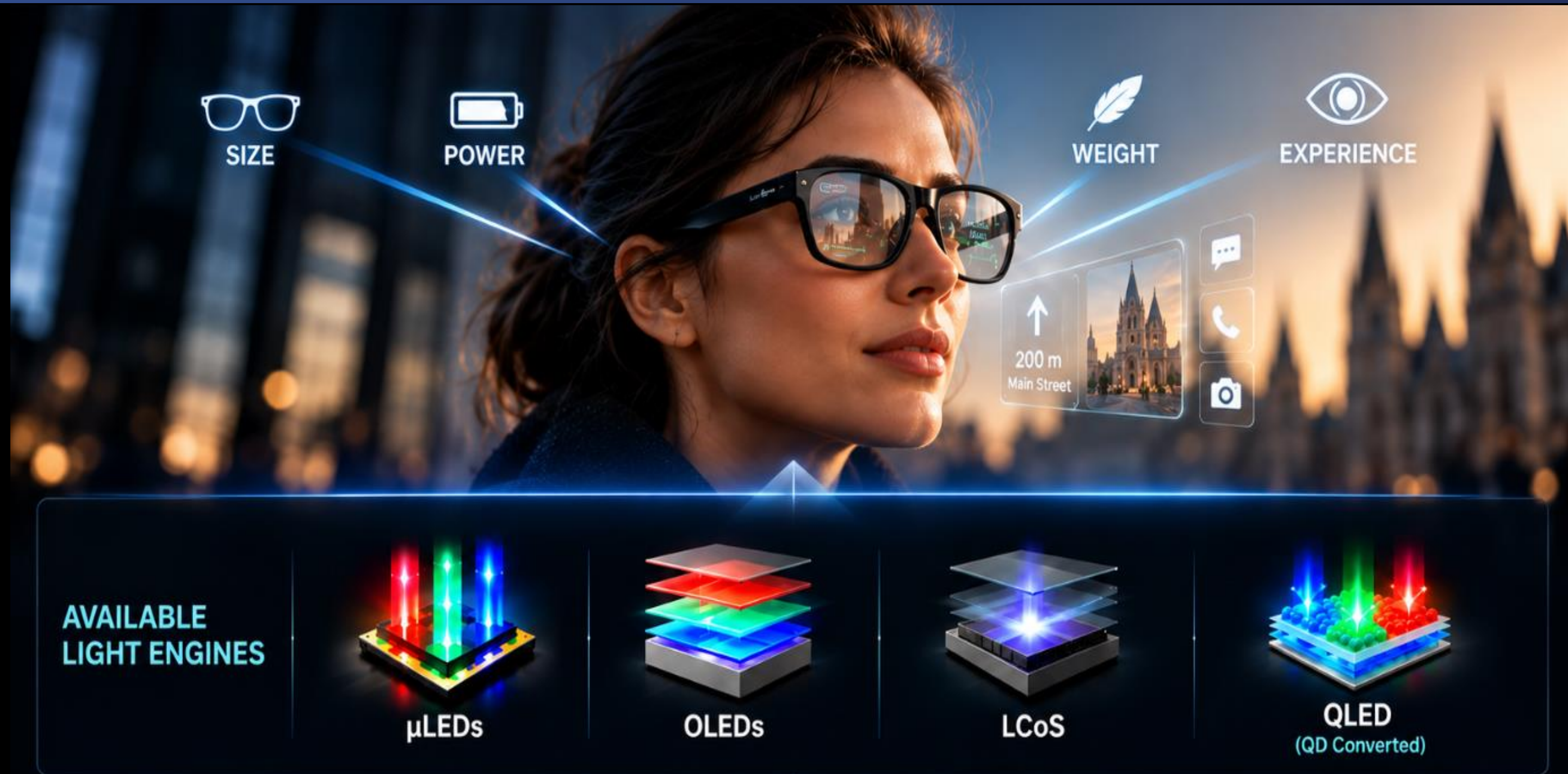
μLED Reimagined:

Build Beyond the Device

Ilias Pappas

Senior Director of Product Management

The AR System determines the technology



Define user experience and the product performance and then choose the system and the technology...!!

μ LED is not the product. The AR system is.



The future of μ LED will not be decided by the best device. It will be decided by the best system...!!
That's why Aledia has moved from device to a system platform

Aledia's μ LED Platform matches AR system integration needs



The challenge is not optimizing one metric — it is solving all five simultaneously and Aledia has a complete solution

Aledia's Platform Products Path ©

Productize
Technology (P1)



Monochrome
2.5 μm

Integrate
Technology (P2)



BG / BBG
Monolithic

R
Monochrome

Scale
Technology (P3)



Monochrome
2.0 μm

Redefine
Technology (P4)



Native RGB
Monolithic



Timeline will be determined upon **customers specs** and the **process customization**

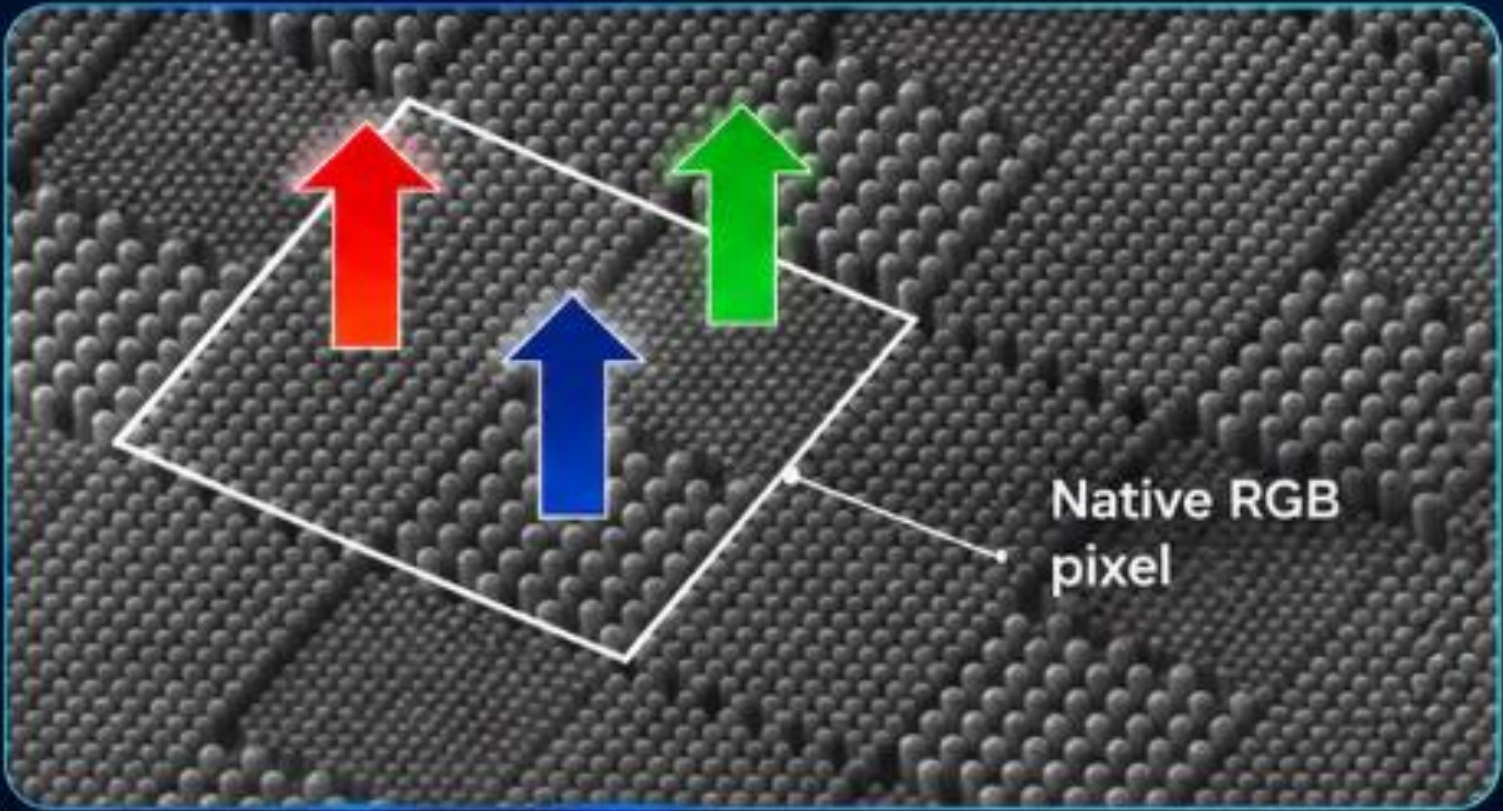


Timeline can be accelerated with joint development

Monolithic Native RGB: From vision to reality..!!



920 x 2360 μm
Sub pixel pitch: 2.5 μm



All colors **native RGB 2.5 μm** subpixel from same epi and from a single process run

Monolithic Native RGB $\mu\text{Display}$ significantly simplifying the light engine architecture, size and cost



Native RGB
monolithic solution



2.5 μm
subpixel pitch



Single process run
same epi for all colors

Let's build the next generation together

The fastest path from technology to product is collaboration.



Aledia brings the μ LED platform.

Partners bring applications, system expertise and market access.

Together, we can accelerate the path from technology to product and revolutionize the AR market



Aledia

Thank You