

25 years of ITEA webinar - Belgium VoxelSensors pitch

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VP Alliances



ITEA is the Eureka Cluster on software innovation



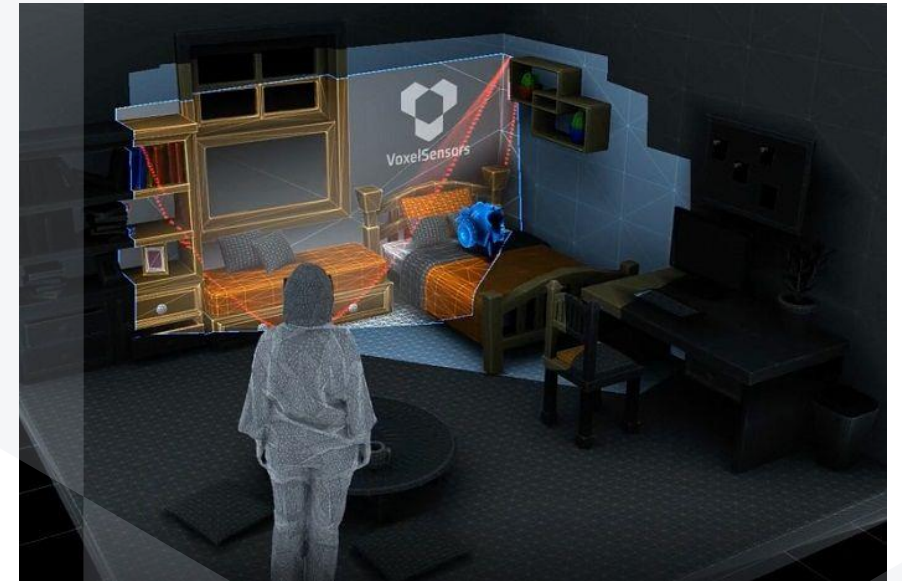
VoxelSensors

Switching Pixels® Active Event Sensor (SPAES)



VoxelSensors

- Brussels Startup founded during Covid in Mars 2020
- Raised to date €6.2m
- DO - 3D Perception Semiconducteurs chips design & systems based on novel IP's
- Focus - 3D Sensing for XR/AR/VR/MR* to « Blend the Physical and Digital Worlds”
- Using - Proprietary new Switching Pixels® Active Event Sensor technology
Low Power & Lowest Latency 3D Perception unique characteristics
- Product - Design & production Semiconductors Chips + cameras system reference designs
- Customers - large XR technology compagnies GAFA's, XR OEM's



Possible collaboration

Our dream

- Lead the 3D Perception market for XR/AR/VR/MR* devices and fuel the next big computer revolution to deliver fully immersive experiences in the \$13 trillion market by 2030.
- To offer best in class solutions to “Blend the Physical and Digital Worlds “ for Extended Reality (XR)* devices

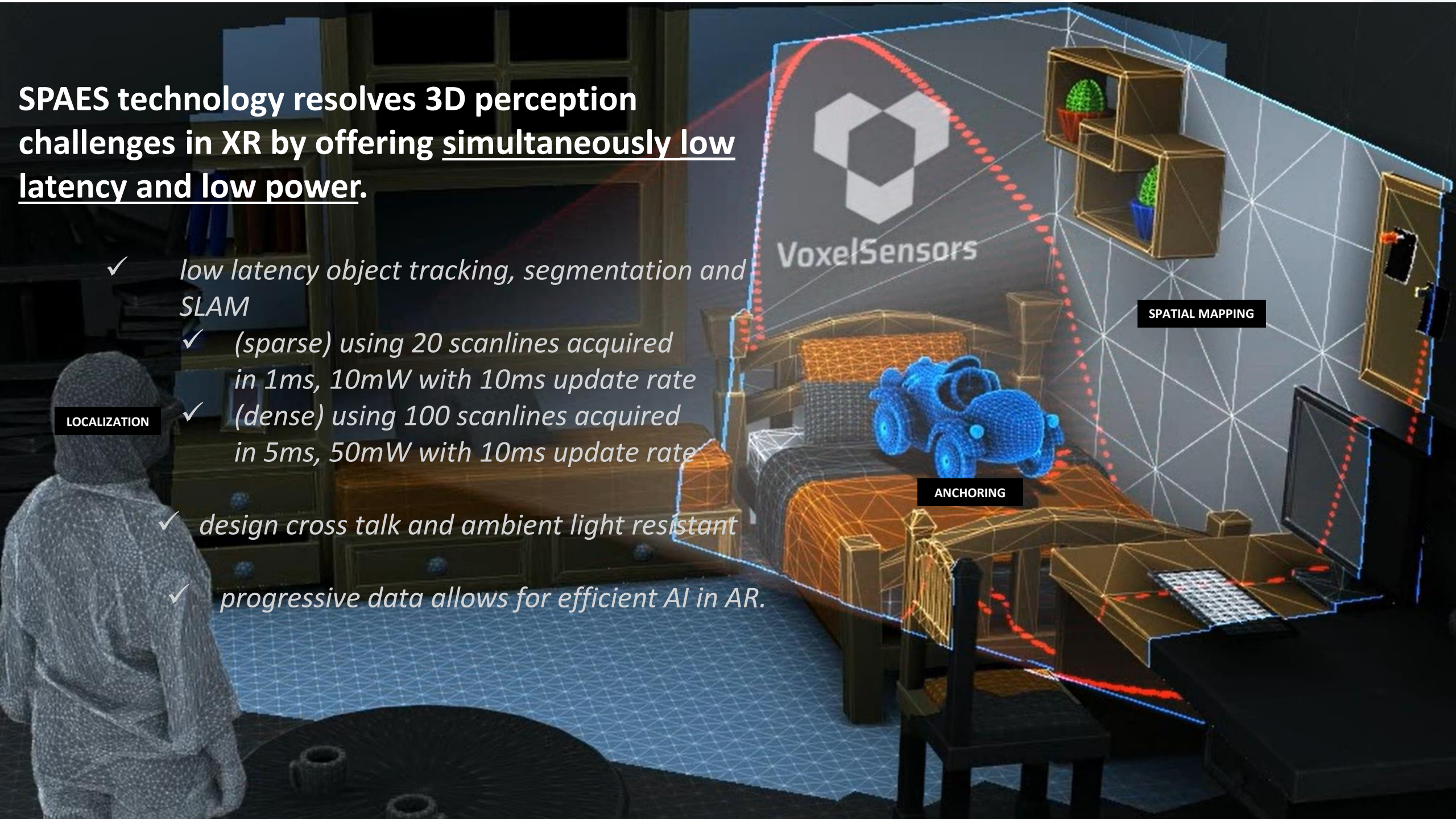
Looking

- To team up with innovative computer vision / AI algorithms specialists , XR application development experts in vertical markets and companies to leverage our unique 3D Perception data format and revolutionize XR experiences.
- To cooperate with EU XR Glasses design houses and OEM's.



SPAES technology resolves 3D perception challenges in XR by offering simultaneously low latency and low power.

- ✓ *low latency object tracking, segmentation and SLAM*
- ✓ *(sparse) using 20 scanlines acquired in 1ms, 10mW with 10ms update rate*
- ✓ *(dense) using 100 scanlines acquired in 5ms, 50mW with 10ms update rate*
- ✓ *design cross talk and ambient light resistant*
- ✓ *progressive data allows for efficient AI in AR.*



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