



# OUR BACKGROUND

A DEEP TECH COMPANY AT THE LEADING EDGE OF THE AIoT

## XMOS ORIGINS

In 2005, a small team assembled from the University of Bristol. They saw that a fast, flexible and cost-effective microcontroller was needed that would enable designers to respond quickly to diversifying market demand. That first-generation microcontroller put unprecedented IO capability – available through software for the first time - alongside significant DSP and control processing. This established XMOS as a name in the USB audio sector: if you wanted to compete in a rapidly changing market, you needed to create something special – you needed XMOS to do it.

The team’s initial vision quickly shifted towards developing a powerful AI processor. This led to a fork in the road in 2016. Caught between two very different technical and commercial models for the future, XMOS split into two entities: Graphcore was created to focus on server-side AI (huge Cloud-based intelligence engines), and XMOS continued the quest towards low-cost, efficient embedded intelligence (or edge-AI).

The early vision has become reality. Voice is the most significant AI application in the market, and in 2019, XMOS moved to make it mainstream, bringing out the highest performing far-field 2-mic voice-interface for just under a dollar.

Today, with xcore.ai, XMOS has developed a new, disruptive crossover processor for the AIoT market. Fast, flexible and economical, xcore.ai puts intelligence at the core of smart products. For the first time, high performance AI, DSP, control and IO have come together in a single device - with prices from \$1.

## KEY FACTS

- Most flexible, cost-effective AIoT processor solution on the market today
- Pioneers in human-sensing capabilities leveraging our new class of crossover processor
- First to announce a far-field voice interface for under a dollar
- First to win Amazon AVS qualification for a far-field linear development kit
- Significant intellectual property with over 120 global hardware and algorithm patents
- Global team of field engineers deliver expert on-site client support

## XMOS LEADERSHIP

### Mark Lippett

Mark joined XMOS in 2008 and held the roles of COO and VP Engineering before taking the helm as CEO in 2016. Mark has extensive experience across the electronics industry, with involvement in both blue-chip and start-up companies.



Mark’s main focus is to encourage innovation, enable profitable growth and look to the future.

Mark says “I’m extremely proud to be leading the company into its next phase of growth. We already deliver best in class voice capture from across the room. And with xcore.ai our technology will enable manufacturers to build smarter sensing products that fit seamlessly into our lives.”



## XMOS IN THE PRESS

A collection of press releases and coverage is available at: [xmos.com/newsroom](http://xmos.com/newsroom)



Queens Quay  
33-35 Queen Square  
Bristol BS1 4LU  
[xmos.com](http://xmos.com)  
[press@xmos.com](mailto:press@xmos.com)