

Alex Lennon

*CEO, Dynamic Devices Ltd | CTO, V2G EVSE
Ltd*

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Executive Summary

Cambridge-educated technology entrepreneur with over 28 years of experience spanning embedded systems, IoT, and clean energy technologies. Proven track record of securing competitive funding from Innovate UK, the European Space Agency, and establishing strategic partnerships with leading technology organisations. Expert in secured embedded Linux development, containerisation, and regulatory compliance systems with strong commitment to open-source innovation.

Dynamic Devices Ltd

*Leading Embedded Systems & IoT Solutions
Provider*

Founded in 2004, Dynamic Devices Ltd has evolved from a startup into a leading embedded systems and IoT solutions provider, serving international clients across diverse industries. Under Alex Lennon's leadership, the company has established itself as a specialist consultancy delivering innovative, secure, and compliant embedded systems solutions.

Core Capabilities

Embedded Linux

Kernel development, Yocto Project, device drivers, board bring-up, real-time systems

IoT & Connectivity

MQTT protocols, cellular IoT, 5G applications, edge computing, wireless communications

Security & Compliance

CHERI memory safety, CRA/CE-RED compliance, secure boot, cryptographic security, DevSecOps

Emerging Technologies

Ultra-wideband positioning, AR/VR platforms, containerisation, space technology

Funding Success & Strategic Partnerships

Dynamic Devices has successfully secured funding and established partnerships with leading technology organisations:

STFC
£2.2M Programme

ESA/UKSA
INST Project

Digital Catapult
CHERI Programme

Foundries.io
CRA/CE-RED Compliance

Innovate UK
Competition Winner

Professional Experience

Technical Leadership

- 20+ years building Dynamic Devices from startup to market leader

- CTO role at V2G EVSE Ltd driving EV charging innovation
- Yocto Project Summit 2022 keynote speaker
- OpenEmbedded Organization governance member

Innovation & R&D

- Pioneer in CHERI-enabled embedded Linux development
- First-mover advantage in CRA/CE-RED compliance solutions
- Open-source contributions to Linux kernel and JFFS filesystem
- MQTT protocol expertise across IoT applications

Project Delivery

- ESA/UKSA INST emergency services platform
- QuestWalk AR/VR automotive training platform
- SLIDE IoT security demonstrator project
- Multiple successful Innovate UK funded projects

Industry Recognition

- Cambridge engineering graduate (Robinson College)
- 7 years embedded software management at Arcom
- International speaking engagements and keynotes
- Thought leadership in embedded systems security

Key Project Examples

INST Emergency Services Platform

Funding: ESA/UKSA | **Technology:** Ultra-wideband positioning

Development of innovative positioning technology for mass casualty incidents, demonstrating capability to deliver complex space-qualified solutions for critical applications.

CRA/CE-RED Compliance Solutions

Partner: Foundries.io | **Technology:** Secured Yocto Linux
First-mover advantage in regulatory compliance solutions, delivering integrated IoT connected hardware platforms that meet stringent European cybersecurity requirements.

SLIDE IoT Security Project

Funding: Innovate UK | **Focus:** Cyber Security
Secured Low Powered Internet of Things Devices in Enterprise - innovative solution addressing IoT cybersecurity challenges in resource-constrained environments.

Educational & Social Impact

Committed to developing the next generation of technology professionals through extensive mentoring and educational partnerships:

- **Social Mobility Foundation:** 5+ years mentoring in Science & Technology sector
- **Studio School/UTC Liverpool:** Industry partner providing T-Level work placements
- **STEM Ambassador:** Active in promoting technology education and career awareness
- **Brightside Mentor:** Supporting A-Level students in university pathway decisions
- **Liverpool Athenaeum:** Board of Governors role in cultural institution governance

Why Partner with Dynamic Devices

Proven Delivery

Track record of successful project completion for government and commercial clients with rigorous compliance requirements.

Technical Excellence

Deep expertise in cutting-edge technologies including security, IoT, and embedded systems with open-source innovation commitment.

Strategic Partnerships

Established relationships with leading technology organisations and proven ability to secure competitive funding.


Market Position


First-mover advantage in emerging areas like CRA/CE-RED compliance and CHERI-enabled embedded systems.


Contact Information


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