Internet of Things

Transforming your data into information when, where, & how you need it

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CSEM PORTFOLIO FOR INTERNET OF THINGS (IoT) TECHNOLOGIES

CSEM's decades of experience in ultra-low power, robust & secure sensing, communication, and AI are poised to help you in your IoT innovation path.

INTEGRATED HARDWARE	INFORMATION & ANALYTICS	SOFTWARE & NETWORKING
Processing • Custom RFICs & ASICs • Ultra-low power ASIC • Sub-threshold CMOS **Sensing** • Vision & multispectral • RF sensing & radar • Temperature, pressure & pH **Energy** • Miniature photovoltaics	• Anomaly detection • Pattern & face detection & recognition • Presence detection • Tracking, ranging & localization • Vital signs monitoring • Decision-taking • Data fusion for robustness • Multi-level authentication & privacy	• Real-time operating system • Edge computing • Cyber-security • Wireless, cable & fiber • Mesh & multi-hop • Publish-subscribe • Robust & resilient networking • Real-time communication • Data collection protocols

Embedded, autonomous, ultra-low power for battery & energy harvesting operation, scalable, flexible, robust, reliable, real-time, secure & trusted.

CSEM helps companies and SMEs worldwide innovate applications for home and building automation, wearables, e-health, industrial IoT, transportation, aeronautics, and space.

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