



Ultra-low power intelligence for the sensor edge

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CONFIDENTIAL

Made in Delft



Ultra-low power intelligence for sensors

Spun out of the [Delft University of Technology](#) in 2018

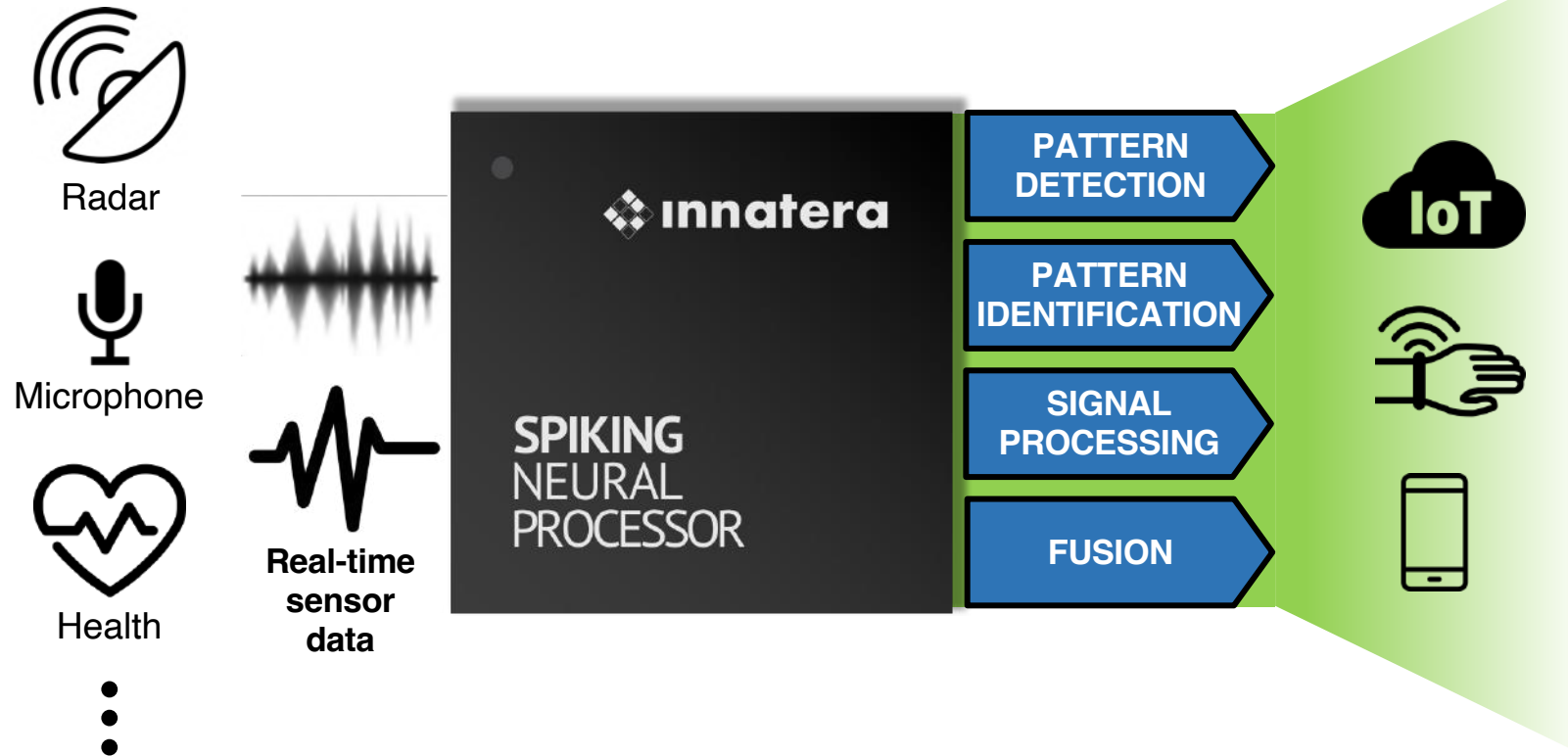
57 employees, offices in the [Netherlands](#) and [India](#)

Funded by deep-tech investors [Matterwave Ventures](#) and [MIG Capital](#)

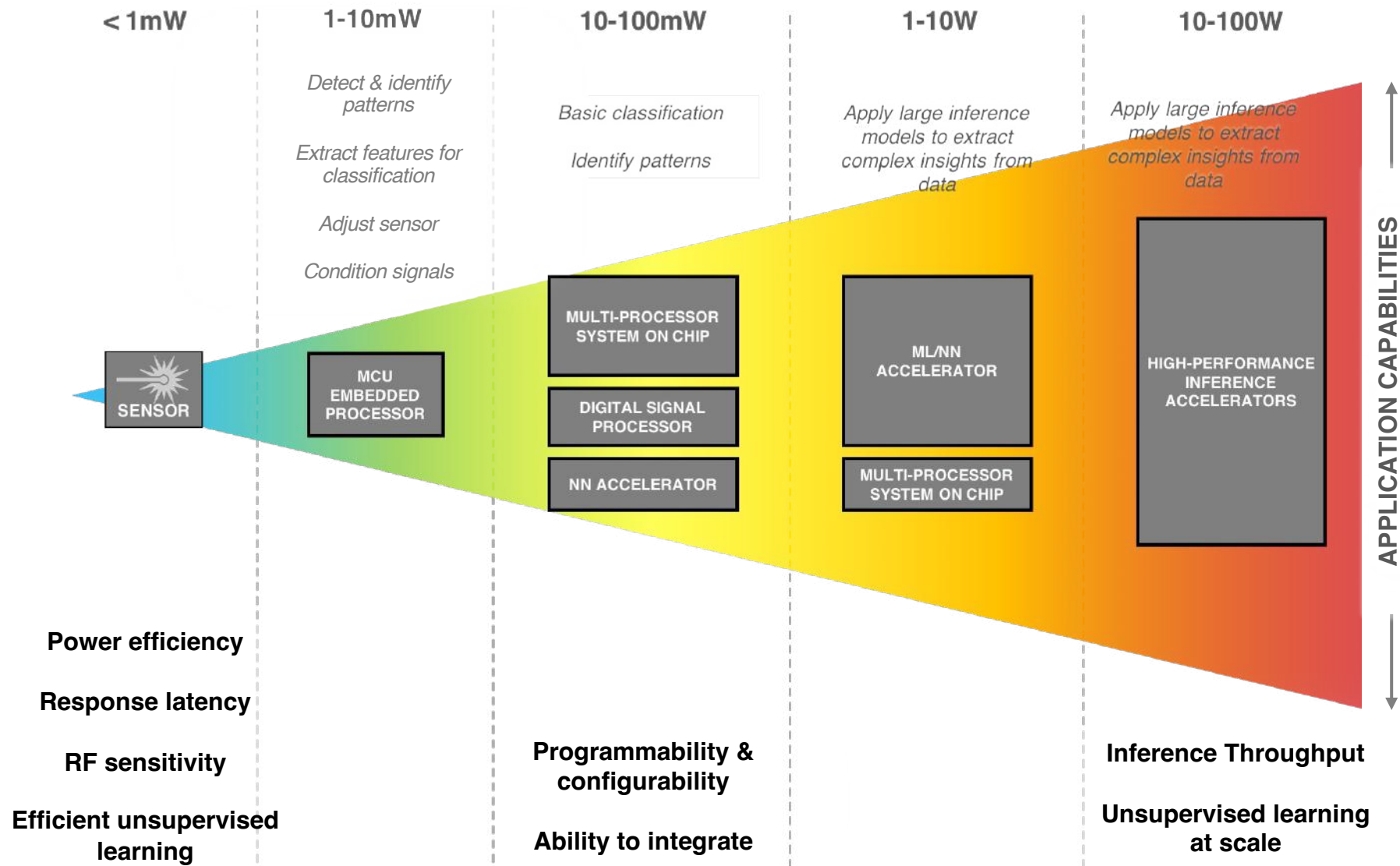


Spiking Neural Processor

Brain-inspired processor for **turn-key intelligence** in **power-constrained** devices

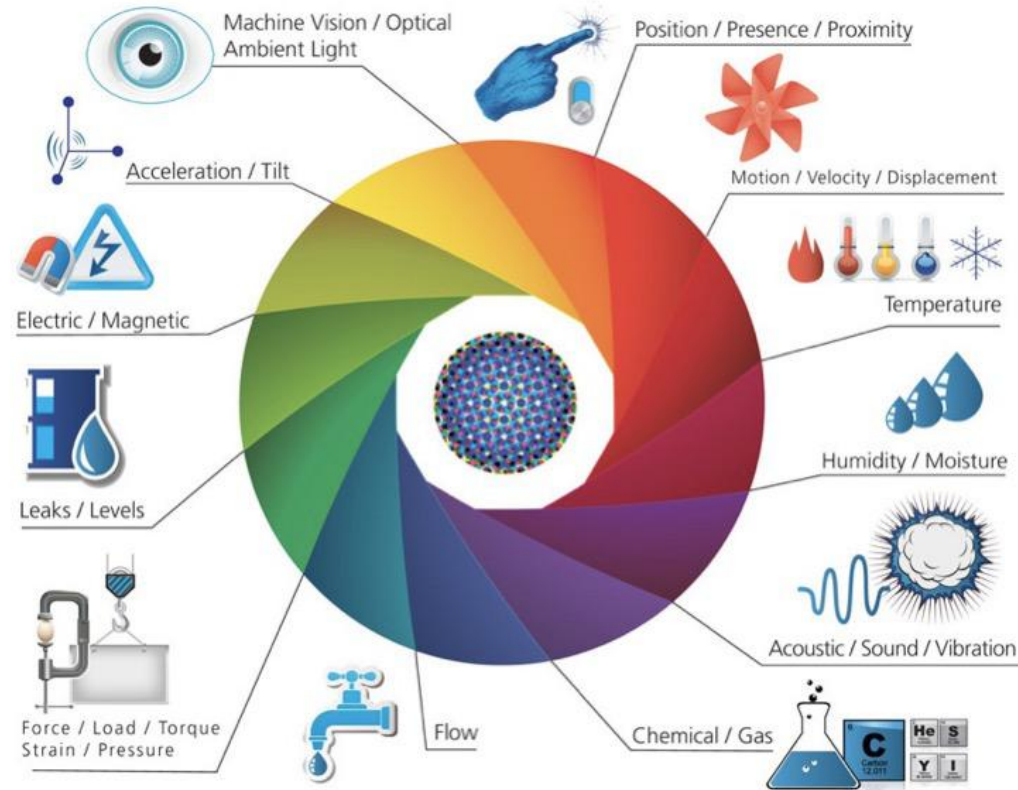


Pattern recognition / AI Inference value chain



Sensors are everywhere

Estimated 4 billion new sensor-driven devices each year*



Our ambition is to make all sensors smart enabling more accurate, timely, and actionable data that can be used to improve processes, reduce costs, and enhance safety

* McKinsey Insights 2017-2021



Consumer electronics

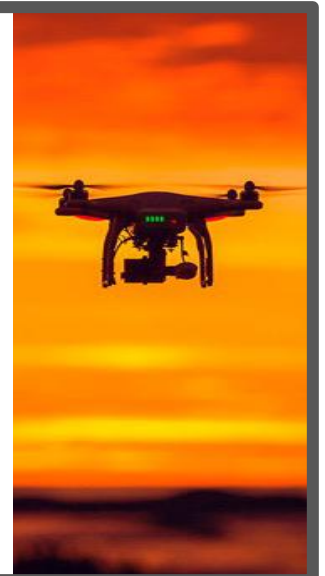
Realize fundamentally new, always-on sensor driven functionalities for *intuitive human-machine interaction* in electronic devices - deliver *improved user experience*

- Speech / audio recognition
- Audio processing
- Human presence detection & recognition
- Gesture recognition

Industrial

Integrate *fully-local intelligence* within industrial sensing nodes for always-on monitoring and control

- Predictive maintenance
- On-board perception for autonomous operation
- Access control and management of buildings



Automotive

Enable *advanced perception* functions for infotainment, vehicle management, and ADAS

- Radar and Lidar sensor data processing
- Anomaly detection / predictive maintenance
- Functional safety monitoring

Healthcare

Implement *continuous monitoring* of patient vitals for real-time detection and diagnosis of health conditions, in wearables and medical devices

- Heart monitoring based on ECG signals
- Activity classification based on PPG





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Let's make sense together.

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