

Unlock the full potential of Physical AI

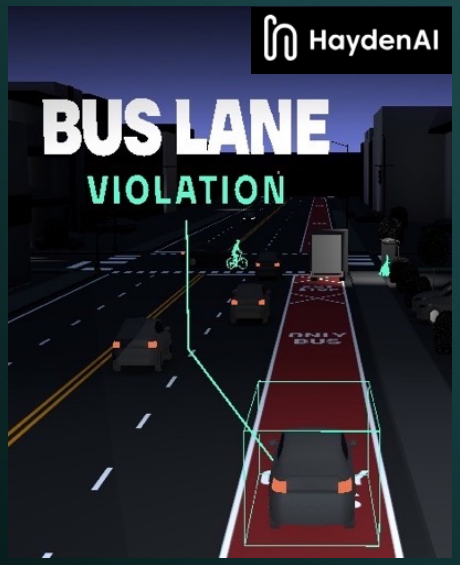
Company

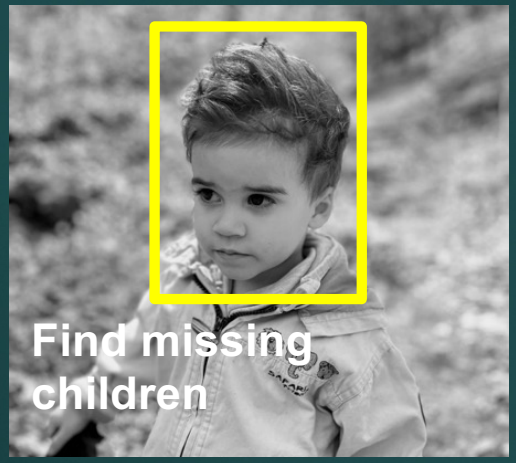
- Fabless Semiconductor Company
- Founded in 2022, based in Dresden – the heart of Silicon Saxony

- 40+ experts with 250+ years of combined semiconductor & wireless experience
- Architecture, System design, RFIC, Digital Design, Firmware
- Founders: Christoph Gulich (CEO), Mario Orgis (CTO)

- Selected for IPCEI AST (1 of 35 German companies)
- European Innovation Council (EIC) Accelerator Winner
- German Tech Award Winner: Smart City & Property Tech

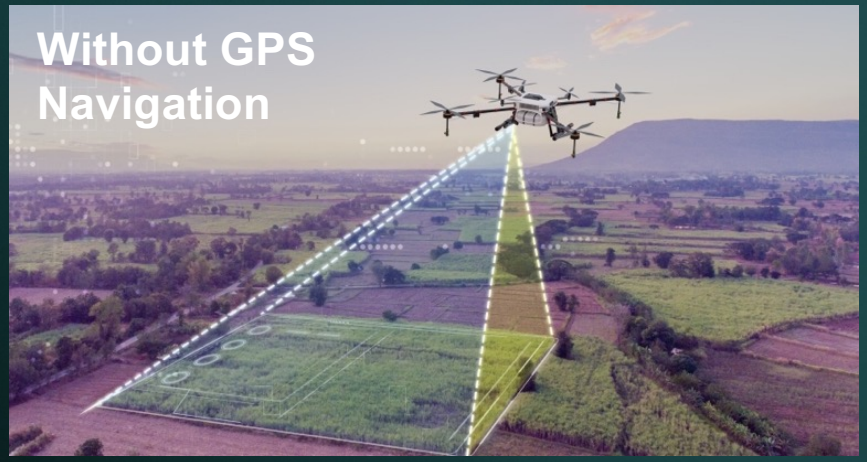
One solution to enable emerging use cases ?



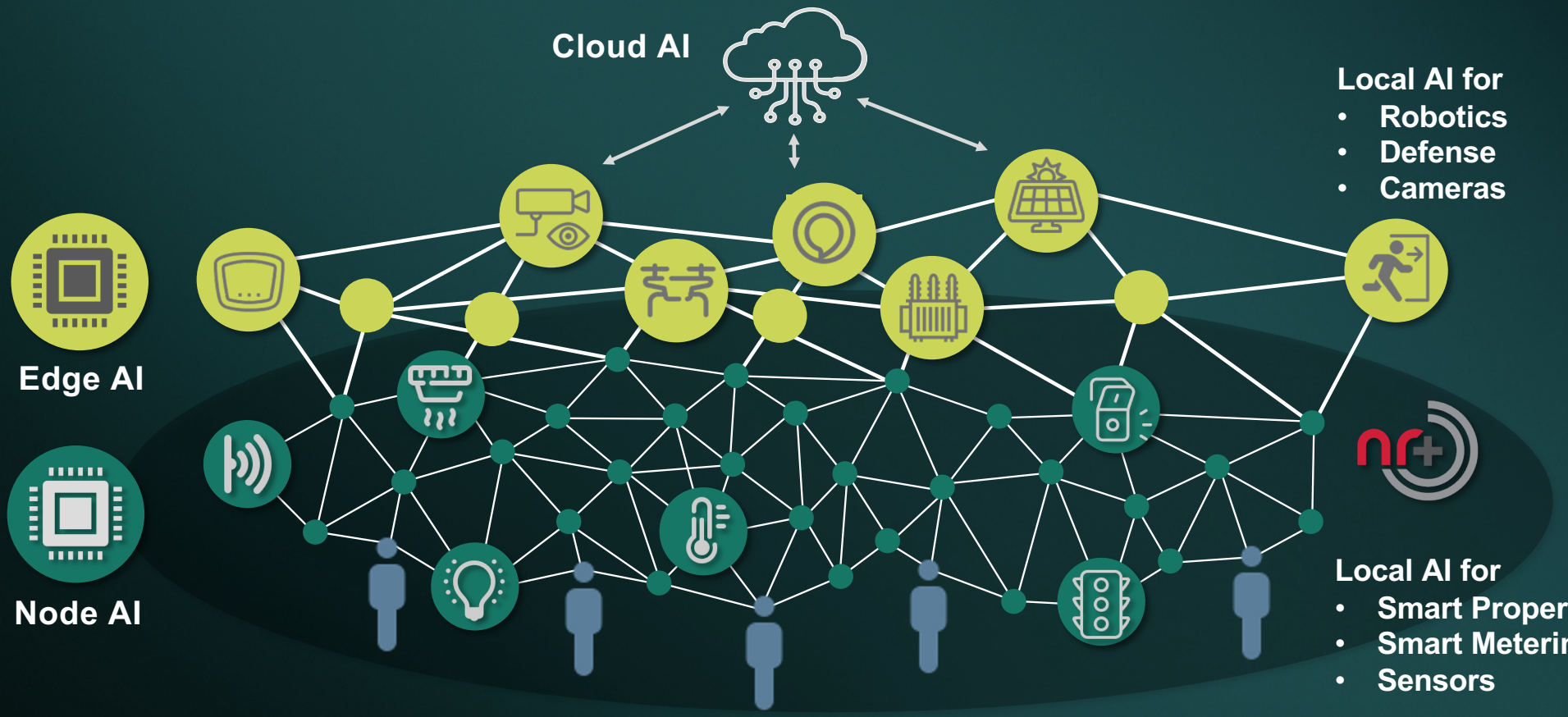




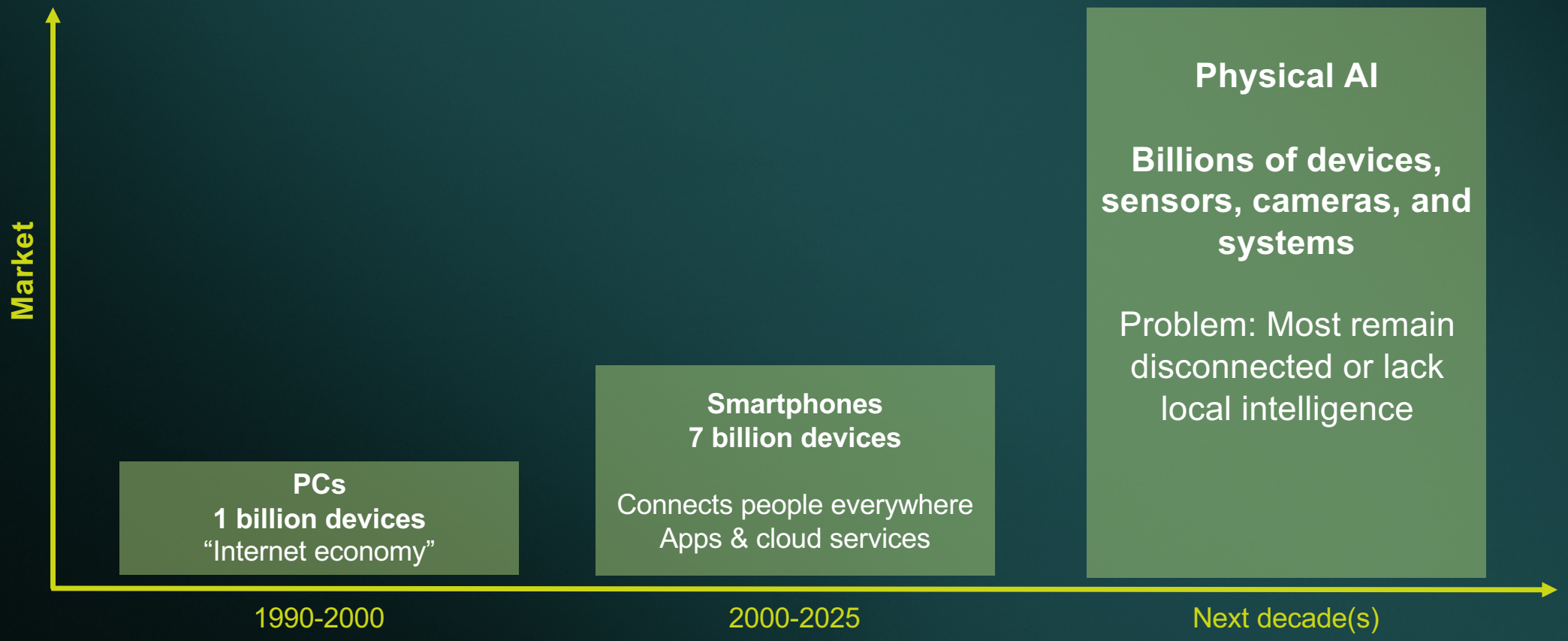




AI scaling moves into the Physical World



The physical world becomes intelligent



Our Solution

Connectivity

Introduced in 2021, NR+ is a new license-free 1.9 GHz standard

Built to connect billions of devices at scale

- Free of Charge
  No Interference
- up to 25 Mbit/s
- Real Time
- Long Range
  up to 6 km Range

Computing

- Local AI
- Application Core
- Security PQC

Missing piece to scale Physical AI:
Zero fee connectivity - AI compute - Security - One chip

Physical AI - Killer application for DECT NR+ ?

AI value creation is shifting into the Physical World

Smart Buildings



Smart Cameras



Smart Energy



Drones & Defence



Smart Cities



Industrial IoT



LM10XX and LM40XX for Physical AI Applications

LM10XX product family



Key features

- ✓ Low-cost
- ✓ Ultra-low power
- ✓ Dual core compute for real time control
- ✓ Long range 1.9 GHz NR+ connectivity
- ✓ Low-power integrated AI accelerator
- ✓ Integrated Secure element

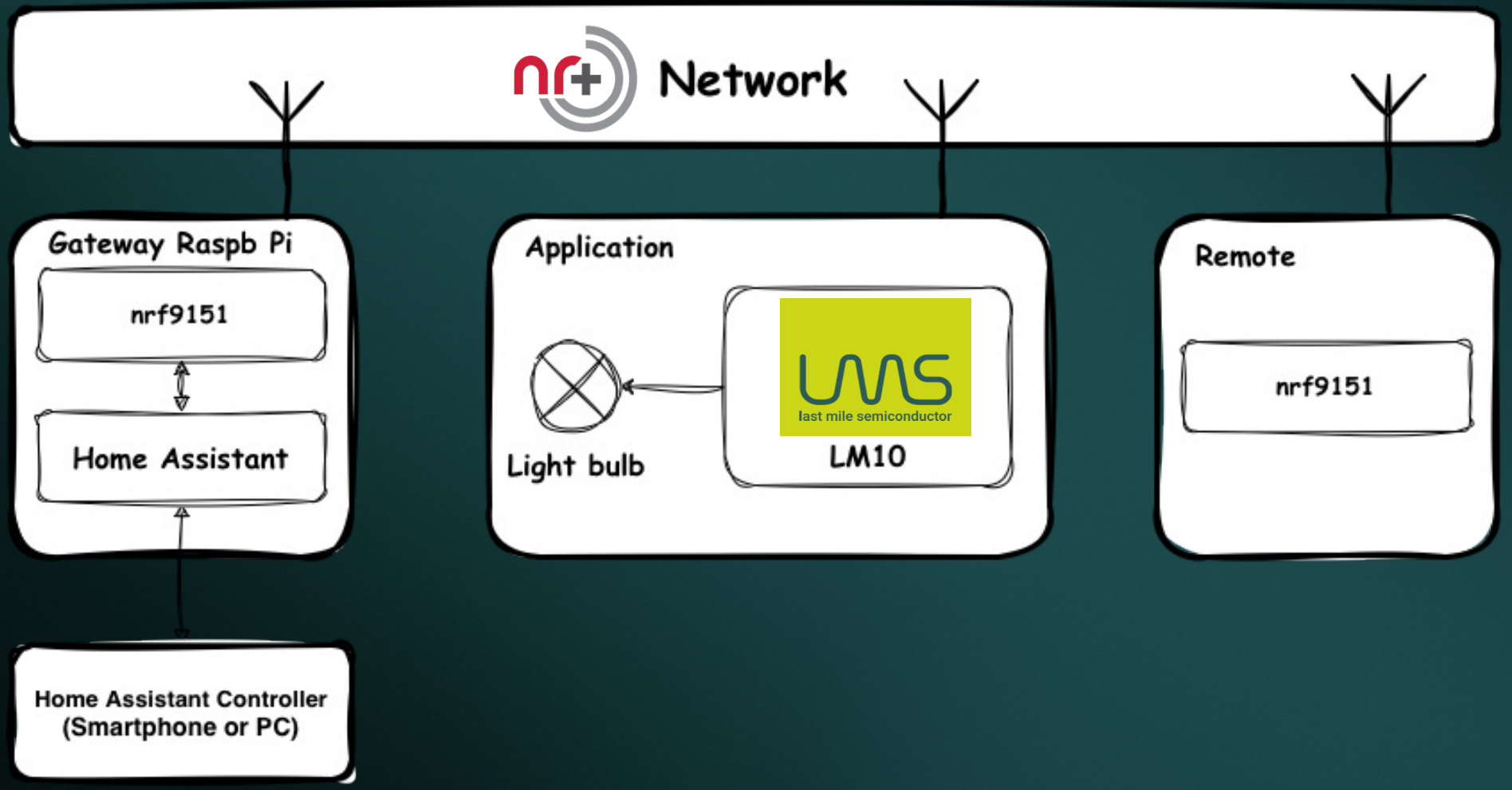
LM40XX product family



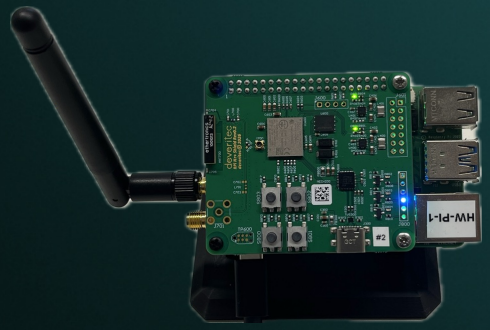
Key features

- ✓ Edge AI System on Chip
- ✓ On-package DRAM+
- ✓ Integrated AI acceleratior up to 20 TOPS
- ✓ Built in vision and video processing
- ✓ 1.9 GHz NR+ plus Ethernet connectivity
- ✓ Integrated Secure element

World's First DECT NR+ Interoperability Demo



World’s First DECT NR+ Interoperability Demo









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Mario Orgis

mario.orgis@lm-semi.com

www.lm-semi.com