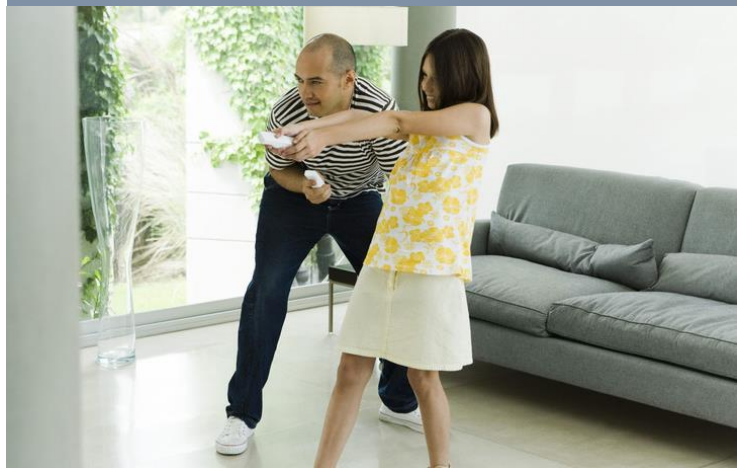
The MEMS journey

Offline era

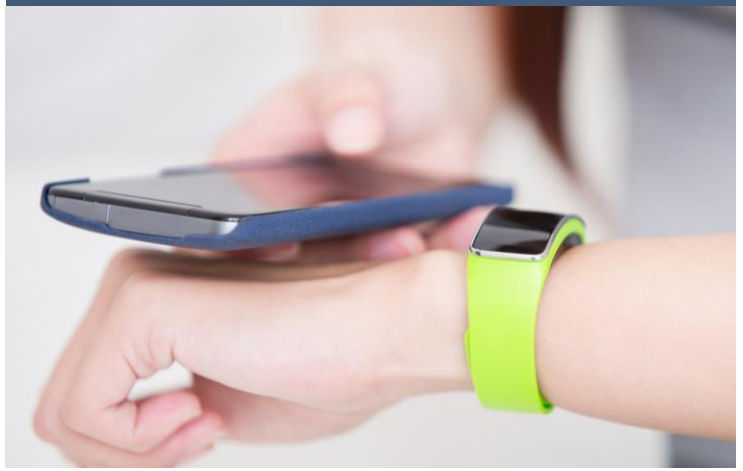


2000

A paradigm change in the man-machine interface

MEMS technology: from a concept to a product

Online era

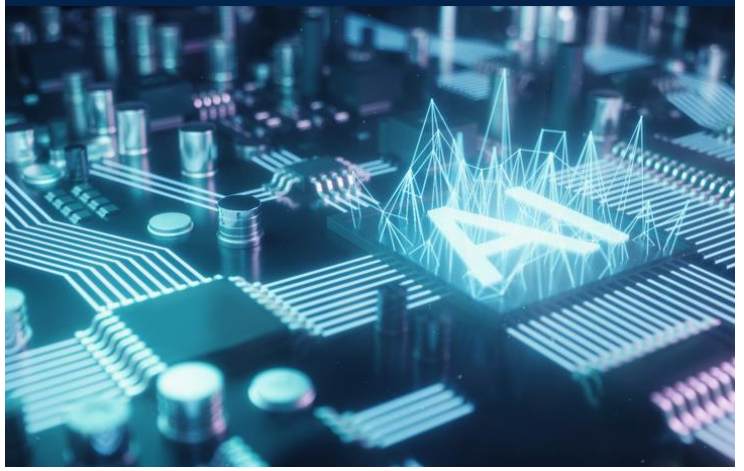


2010

Sensor proliferation and connections to the Cloud

Performance improvement and technology fusion

Onlife era



2020

The fusion of technology and life

Intelligent devices able to sense, process, and take action

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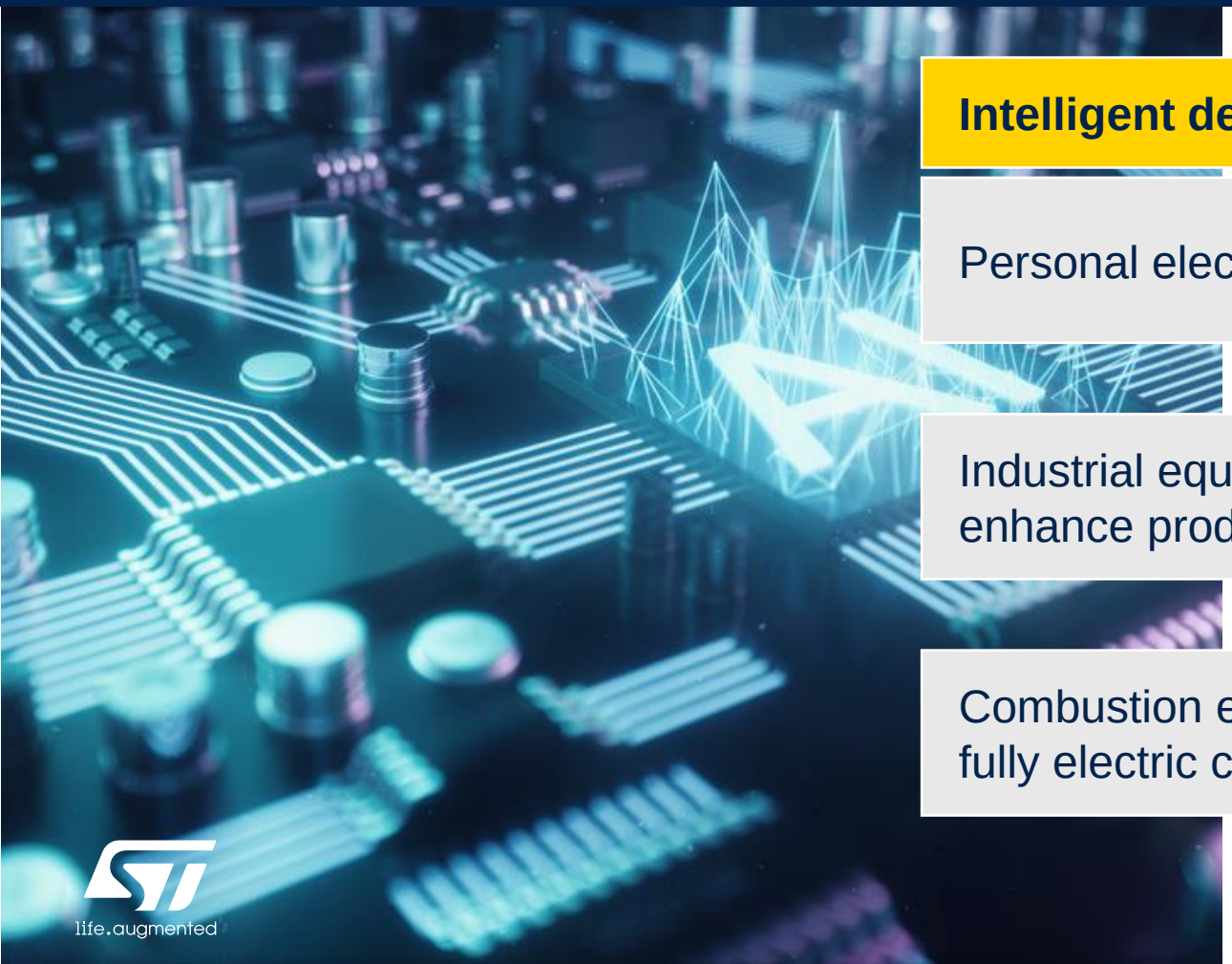
The next step in the MEMS journey: the **Onlife** era

The era represents the fusion of technology and life



Intelligent devices able to sense, process, and take action

Personal electronics devices learn your preferences and habits

Industrial equipment and facilities will be full of sensing nodes to enhance productivity, reliability, safety and control

Combustion engines car will be replaced by highly connected, fully electric cars and self-driving cars

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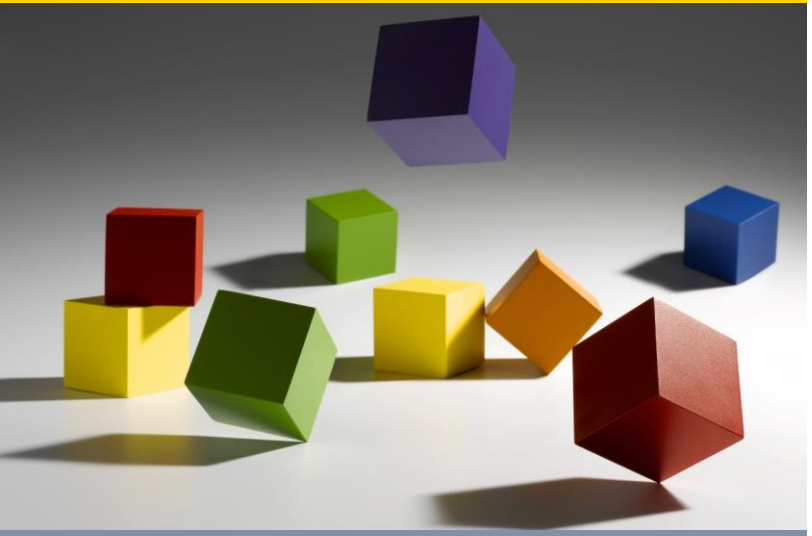
Systems where sensors live

Offline era

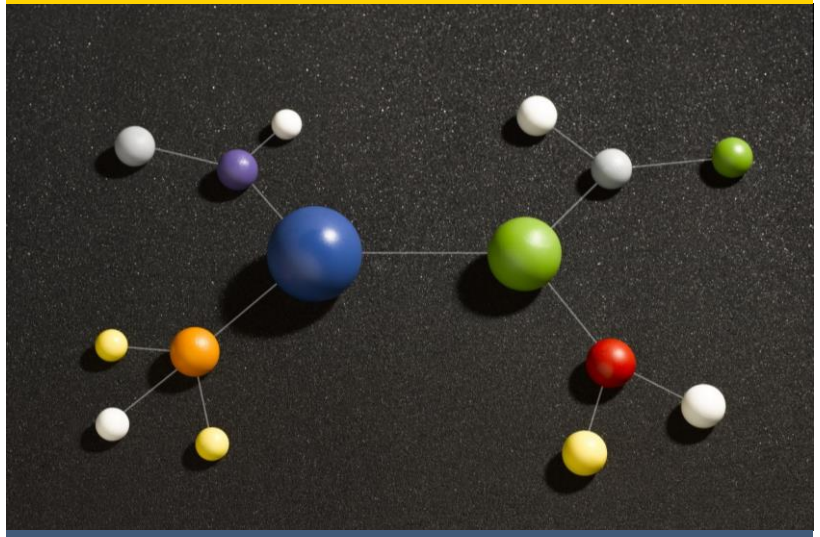
Fragmented



The simplest configuration: independent systems

Online era

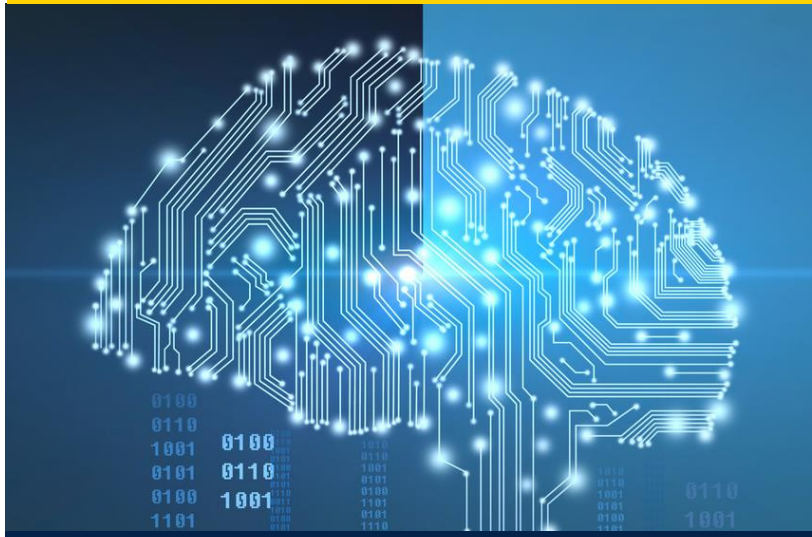
Connected



Intertwined nodes enable efficient data exchange

Onlife era

Trained



Edge AI for making quick decisions locally

ST vision
Sensors with Machine Learning Core

We create different types of **sensors**
to help **developers** improve their system's potential
by improving the overall system **efficiency**

Thanks to:

- A broad portfolio of sensors
- Reduced power consumption (both for sensors and system)
- Increased accuracy (context detectability)
- Real edge computing

We leverage Machine Learning techniques from the world of AI

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