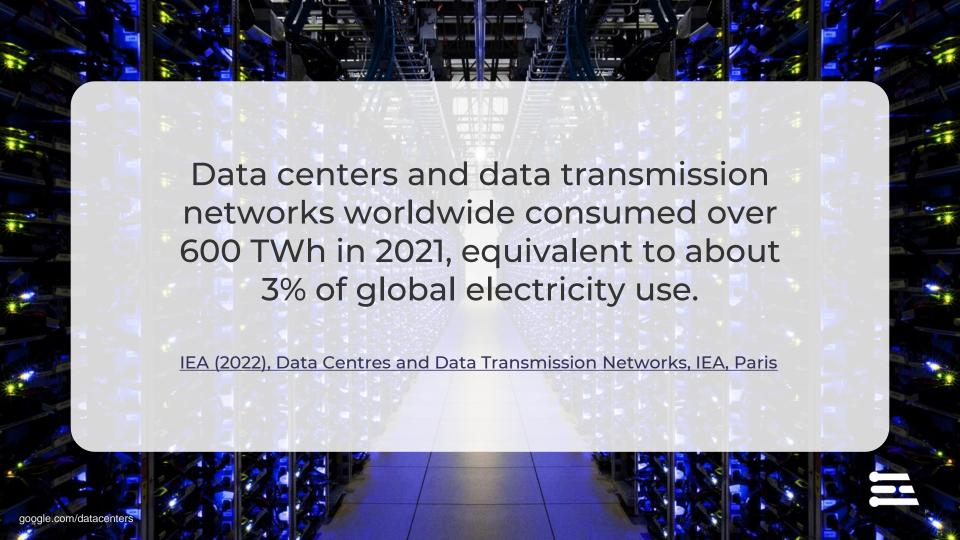


Enhancing human capabilities with valuable edge insights

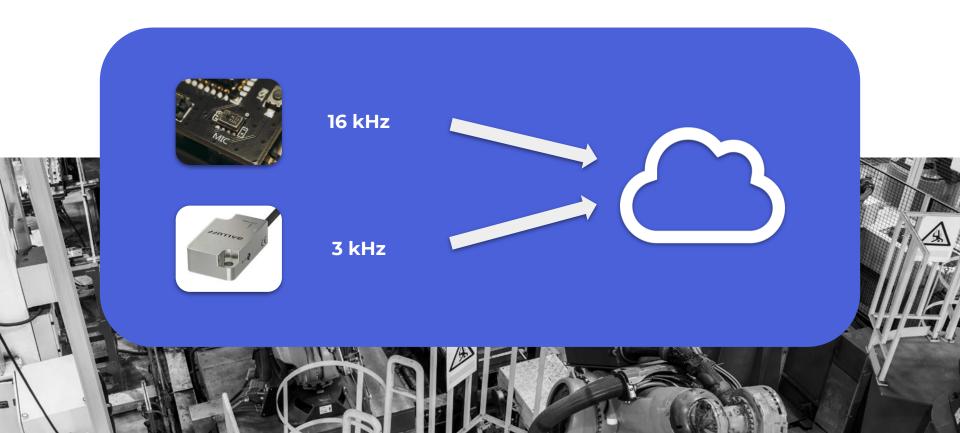


Alessandro Grande
Head of Product, Edge Impulse

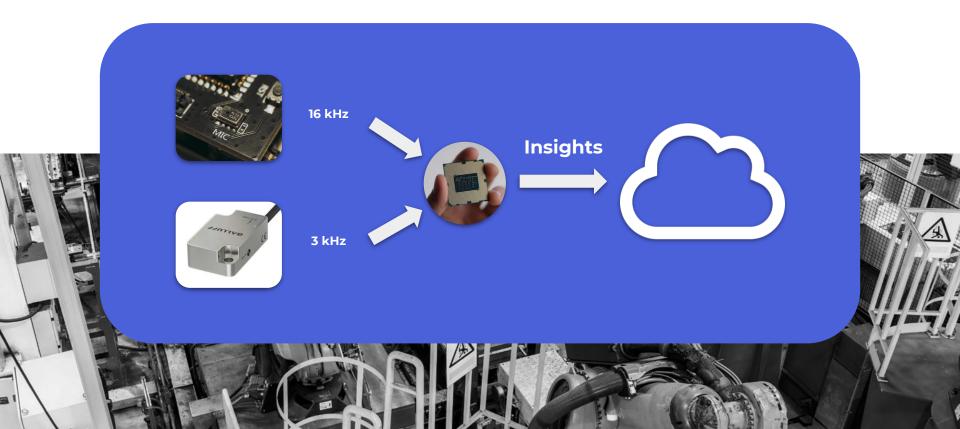




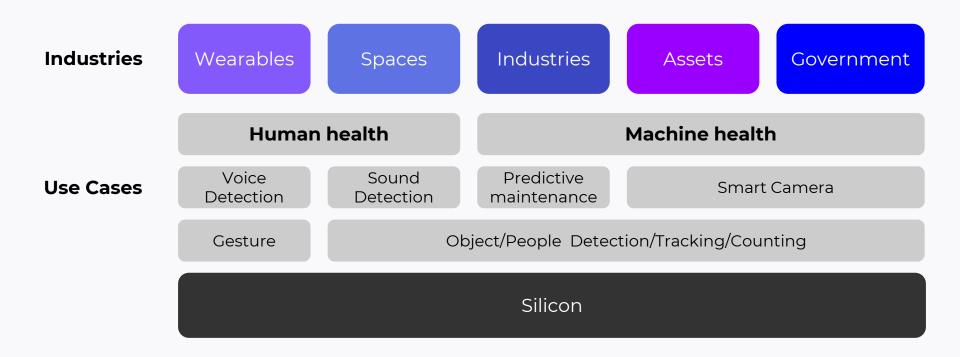
Data, data and more data!



Generate insights reliably and early



Edge ML use cases





Machine health

Predict failures and forecast maintenance cycles with precision

Current

Vibration

Sound

Temperature

Images





Sensing



Maintenance



HVAC



Robotics



Human health

Drive valuable health insights with diagnostic and predictive algorithms

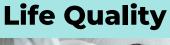
ECG/PPG

EEG

Skin

Motion

Temperature





Performance



Safety

















Oura goes deeper on deep sleep

Through the use of Edge Impulse's advanced data infrastructure, Oura rapidly improved their algorithm

Heart

Motion

Temperature

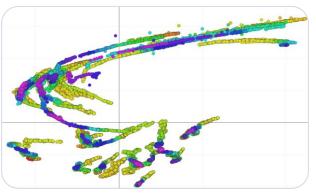
- Reached unprecedented sleep-scoring accuracy of 79%
- Close to best-in-class 82-83% only reached by human scorers
- Data-driven development process enabled Oura's data science team to scale



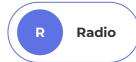
Non-invasive glucose monitoring







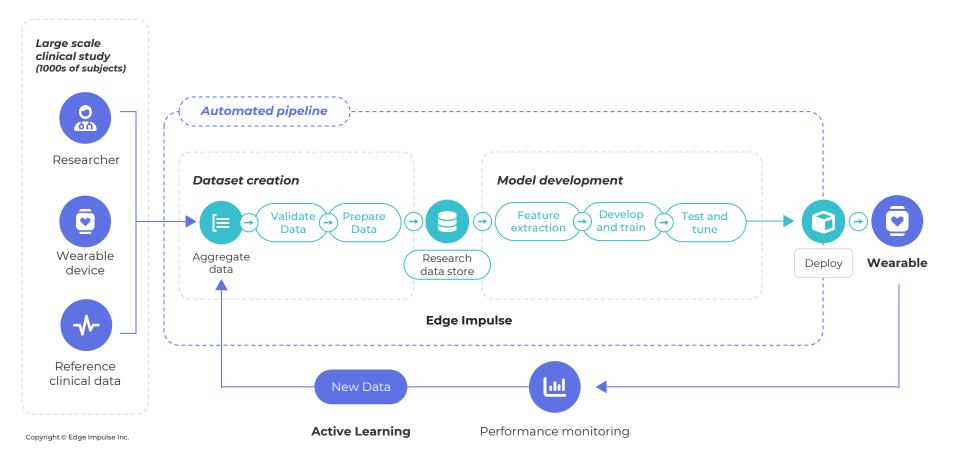








What does it take to build health ML?



Recap

Reduce energy waste and improve lives!

Focus on generating insights reliably and early

Start thinking about your active learning strategy

Thanks!

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