

## NB-IoT Powered AI on the Edge

Low-Power Long-Range networks are a key requirement when developing state-of-the-art IoT devices. To ease the energy pressure of long-range transceivers, AI on-the-edge can be the way to go. Usually, AI requires extreme computational horsepower, but IoT devices have tight energy budget and performance. Thanks to a new breed of ai micro built to enable neural networks to execute at ultra-low power, the goal of this thesis project will be the implementation of a visual AI-IoT device with a particular focus on platform energy characterization.



(Image credit: Vodafone)

