NB-IoT Smart Parking

> **Based on CEVA Dragonfly NB2 turnkey IP platform**
> - Ultra-low cost and ultra-low power NB-IoT modem solution
> - Complete firmware including L1 (PHY + L1C), L2 and L3 Protocol stack, IP layer, fully integrated and running on freeRTOS
> - Powered by CEVA-BX1 processor extended with optimized instructions for NB-IoT & GNSS
> - Integrating the baseband hardware, peripherals and RF in TSMC 40nm ULP
> - The solution is pre-certified and compliant with 3GPP Release 15

> **Device connection to the cloud through NB-IoT link for smart parking status and control**
> - Complete device to cloud IP connectivity
> - Edge sensor processing running on CEVA-BX1 processor
> - Modem is in Power Saving Mode (PSM) and wake-up to update parking status

Low power consumption
10 Years of battery life

Vehicle detector sensor embedded with chips

Vacant parking spot

On-cloud parking management system

NB-IoT

Connected IoT platform