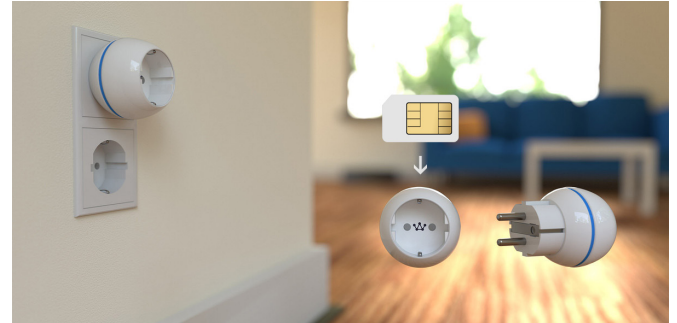


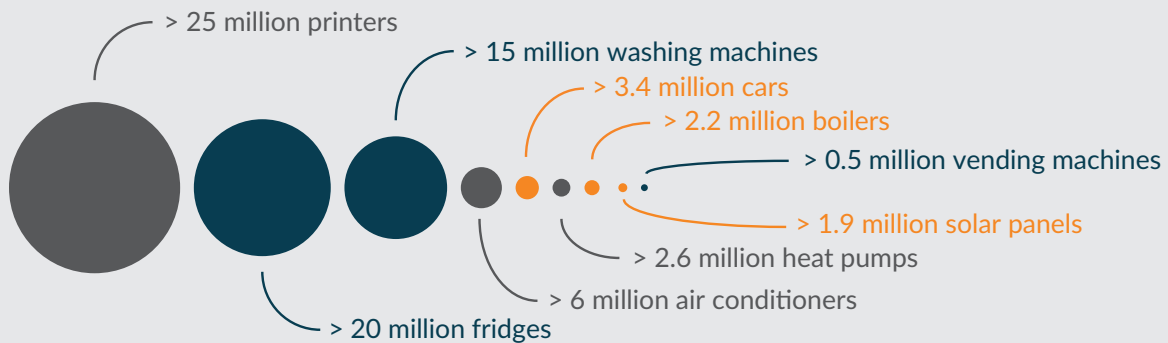
## CROWNSTONE

# Selling a SIM card for every device!

The IoT Crownstone combines power measuring and control with a SIM card. Each appliance can be monitored and switched on or off remotely. This extends a subscription model from only phones to any device in the world. The IoT Crownstone also hooks up into a Bluetooth mesh and can operate as a data sink for a collection of devices.



subscriptions per year



### Peak shaving

Regulating the moment when appliances are on or charging saves money for a utility company or the end user.

### Telemonitoring

Automated billing, pay per use, and strategic refilling reduces costs for supermarkets and delivery companies.

### Preventive maintenance

Predicting failure optimizes planning and saves on personnel.

## Technical Specifications

Switches devices up to 16A, almost any device in a residential or office setting

Measures current and voltage up to 2 khz to detect device anomalies and identify appliances

Programmable soft fuse to limit overcurrents

Monitors energy usage per minute

Uses LTE/HSPA+/GSM, Cat 4 EU bands, 10 MB bandwidth per month for remote communication

Uses Bluetooth Low Energy (BLE) 4.0+ for local communication (mesh)

Nordic nRF52 BLE chipset and TOBY-L210 4G chipset

iBeacon functionality

Tracks BLE devices (smartphones, wearables) on 1.5-4.0 meter

Sockets type C, E, F (Europe, Russia, South-America)

A seal can permanently fix the Crownstone to a device

No battery required