E2U

hardware as a complete service

Introduction

June 2018

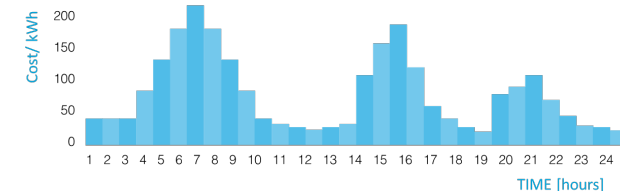# E2U provides a total solution for HW with SW for :

Energy management

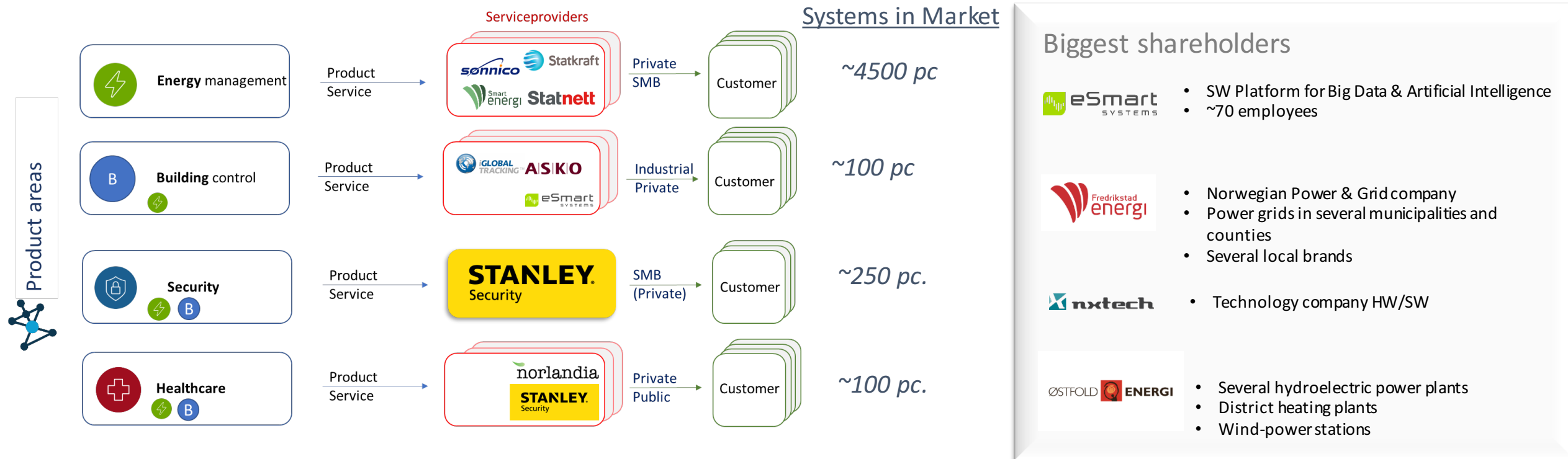Control/monitoring of Buildings

Security

Healthcare

Founded by eSmart, Nxtech and Fredrikstad energi based on the need for HW services in in coming Energy market
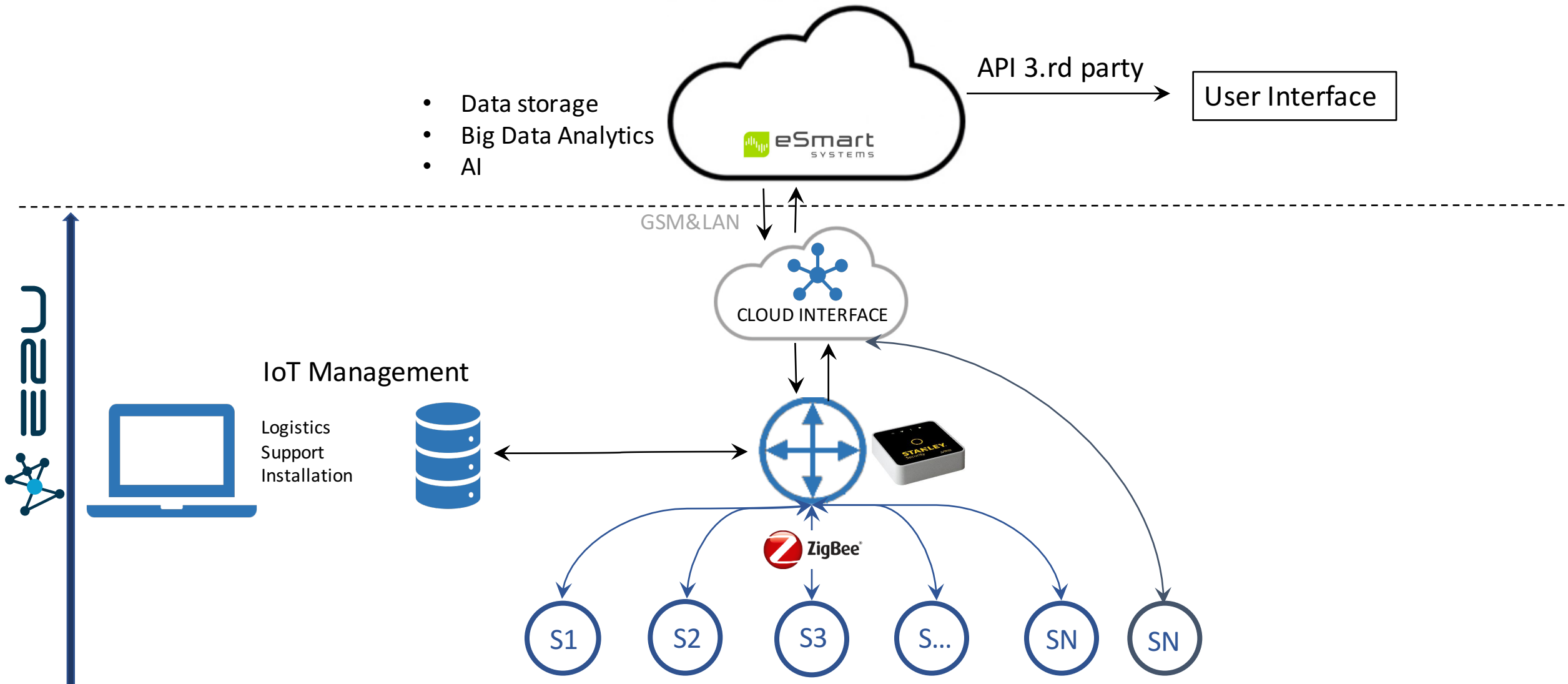
About E2U Systems

- Norwegian company
- Founded in 2016 based on the need for a HW and supplier independent solution for coming IoT markets
- Providing HW as a Complete service including SW platform for Gateways
- Competence in development of electronics, firmware and cloud interface solutions

Product areas

Product area		Serviceproviders		Systems in Market
Energy management	Product Service →	sønnico, Statkraft, Smart energi, Statnett	Private SMB → Customer	~4500 pc
Building control (B)	Product Service →	iGLOBAL TRACKING, ASKO, eSmart systems	Industrial Private → Customer	~100 pc
Security	Product Service →	STANLEY Security	SMB (Private) → Customer	~250 pc.
Healthcare	Product Service →	norlandia, STANLEY Security	Private Public → Customer	~100 pc.

Biggest shareholders

eSmart SYSTEMS
- SW Platform for Big Data & Artificial Intelligence
- ~70 employees

Fredrikstad energi
- Norwegian Power & Grid company
- Power grids in several municipalities and counties
- Several local brands

nxtech
- Technology company HW/SW

ØSTFOLD ENERGI
- Several hydroelectric power plants
- District heating plants
- Wind-power stations

Data flow example

- Data storage
- Big Data Analytics
- AI

API 3.rd party

User Interface

GSM&LAN

CLOUD INTERFACE

IoT Management

Logistics
Support
Installation

ZigBee

S1 S2 S3 S... SN SN

E2U Deliveries – COMPLETE & MODULAR SOLUTION

SOFTWARE MODULES

GATEWAY FIRMWARE
EDGE COMPUTING - SENSOR INTEGRATION

CLOUD INTERFACE
(EVENT HUB)

USER INTERFACE by Partner
(WEB BASED)

WEB TOOLS /APIS (IoT Management)

Installation

Monitoring

Logistics

SERVICES FROM E2U

Logistics & supplier handling

2-line Support

Wide range of sensors already integrated

EMI med LED eller IR
Sensors; Motion, Window, Door
Alarms: Smoke, Heat, Flood, Air Temp. & Humidity
Smart Plugs
Smart Realay 30A
Prosumer Meter
Keypad
Trygghetsalarm
PIR Sensor med kamera (stillbilde)
HAN interface AMS
Smart Cable
Sirene (230V)
Power Meter Switch (2,5A)
Panic Buttons
Smart ZigBee Thermostat
Clamp Meter (current)
PIR Sensor med kamera (10s video/petim.)
Panic Button med sn..
Door Contact
Remote Keypad
Termostat / Regulator med gulvføler
Sirene
Wall Plug 2,5kW
Lyspære
Multi Sensor
Smart Switch 40
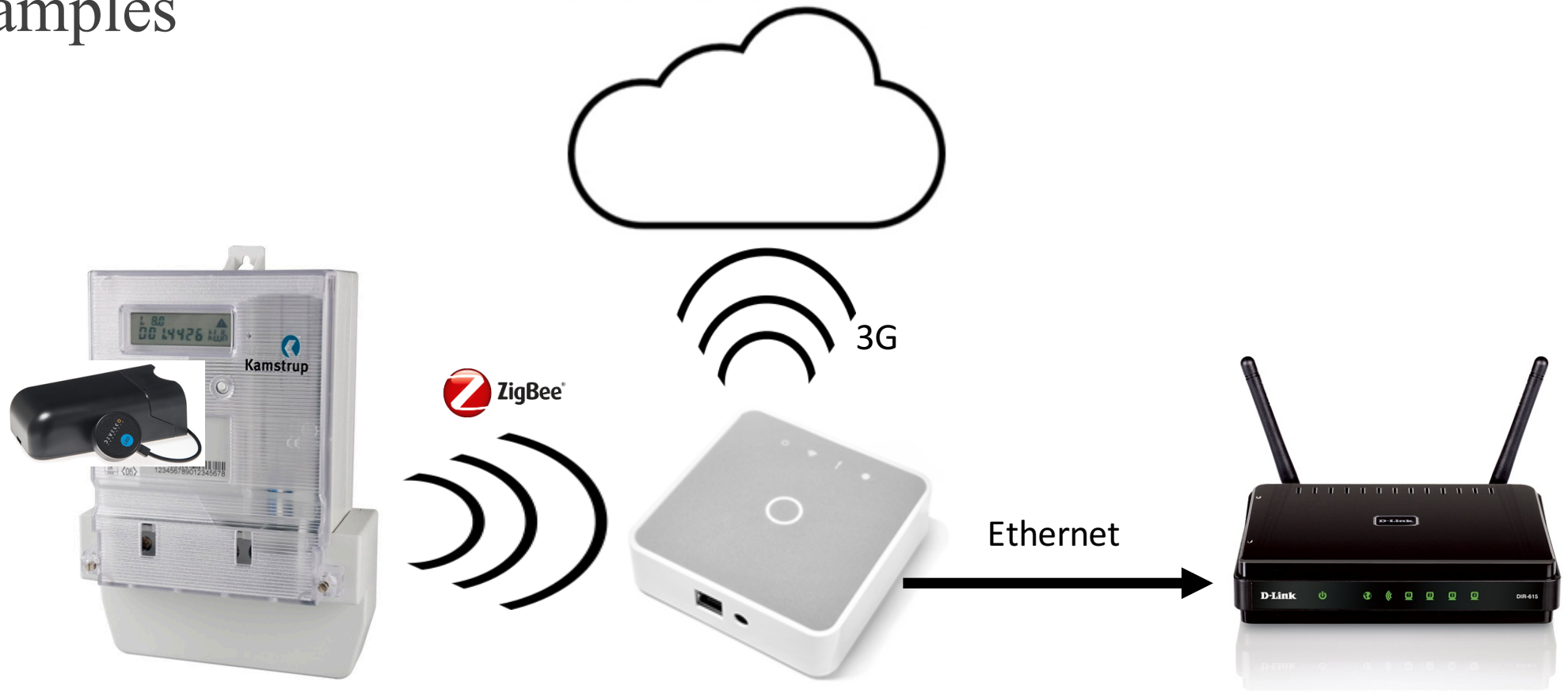Power Meter Switch (10A)
eLås
Trygghetsalarm
Car charger
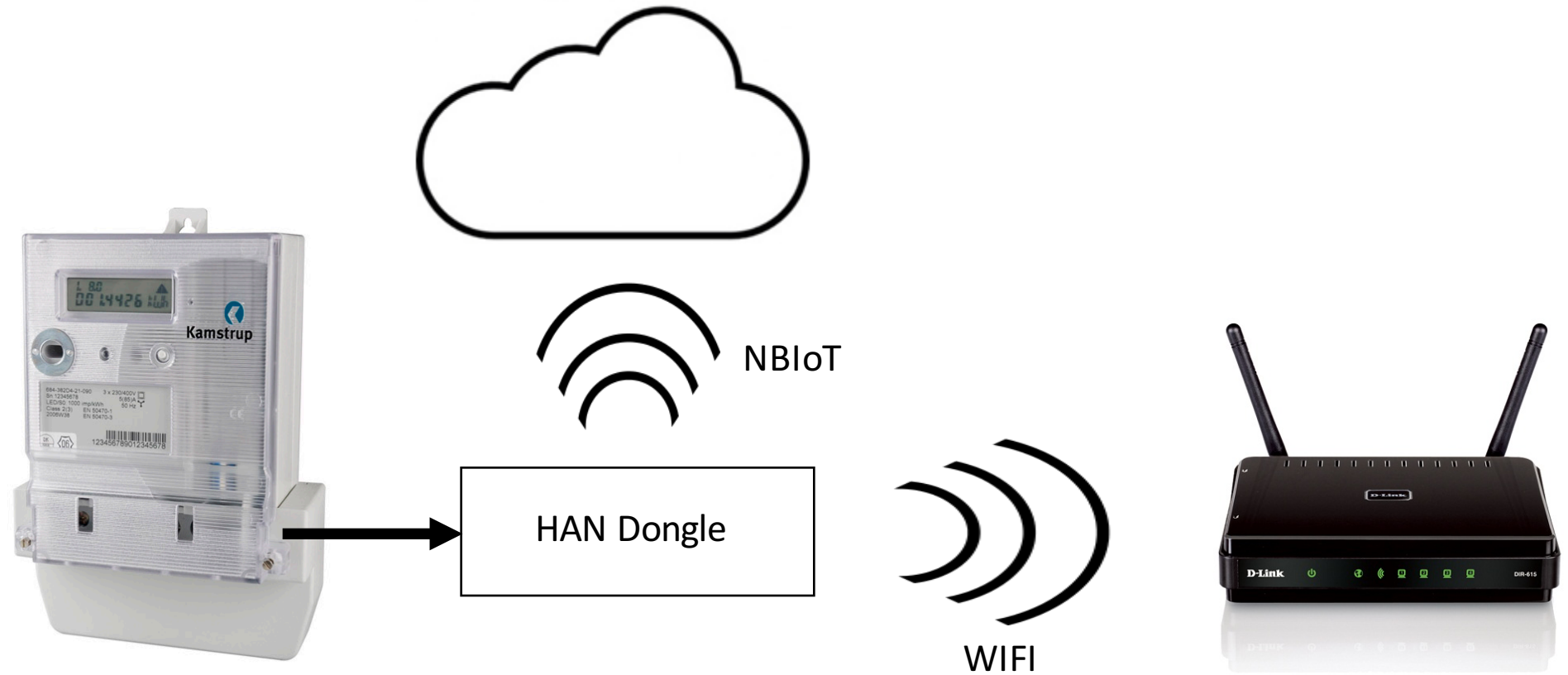Trygghetsalarmer
Wireless IP camera
….. and many more

HAN examples

ZigBee

3G

Ethernet

HAN examples

www.e2usystems.com