

### 3 Questions



- What do today's smart meters look like?
- What do tomorrow's intelligent devices look like?
- How do these intelligent devices fit into the future energy system?

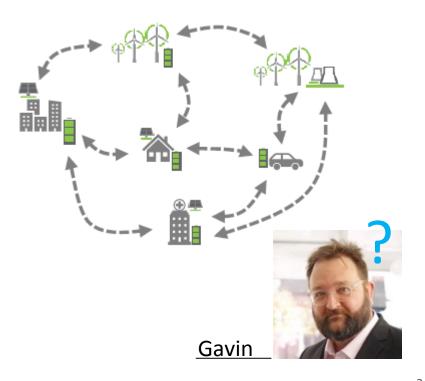
### Decentralisation requires grid edge intelligence



#### Traditional power grid



#### Decentralised power grid



### Smart Metering: For the consumer, for the grid







- 53m meters being rolled out across GB
- 100% coverage of Great Britain
- The most secure smart meter system in the world
- Smart grid ready
- Fast, secure switching
- Prepayment ready
- Open standards-based
- 3m SMETS1 installed
- 1.3m SMETS2 installed and rising fast
- Millions of messages per day
- System stabilising and scaling



# Smart charging with intelligent devices





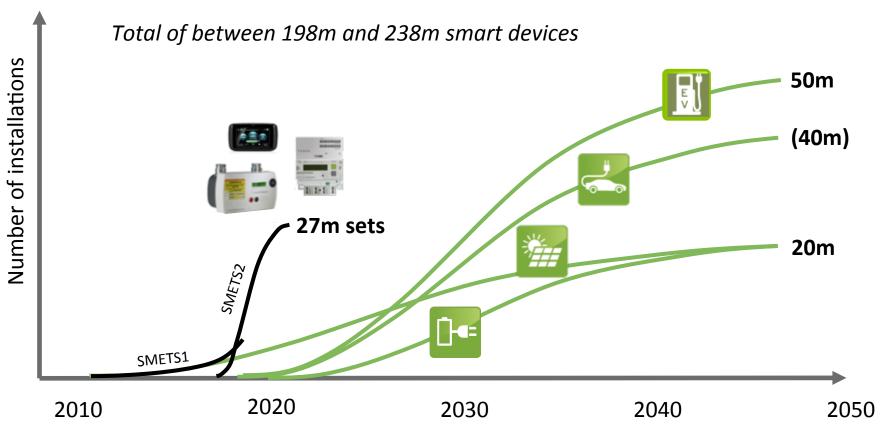
# Microgeneration with intelligent devices





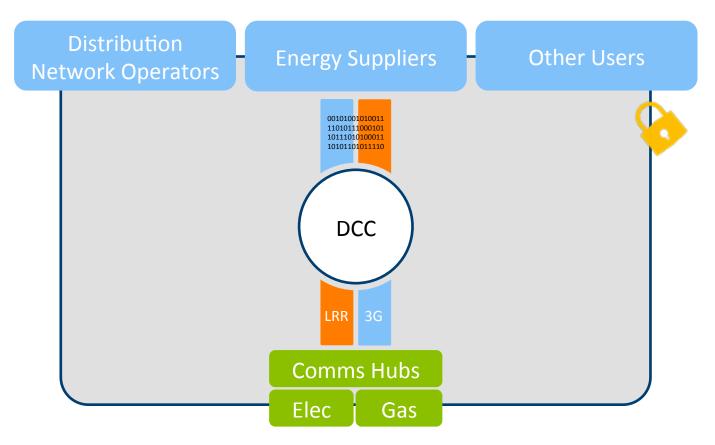
### **Growth of intelligent devices in the UK**





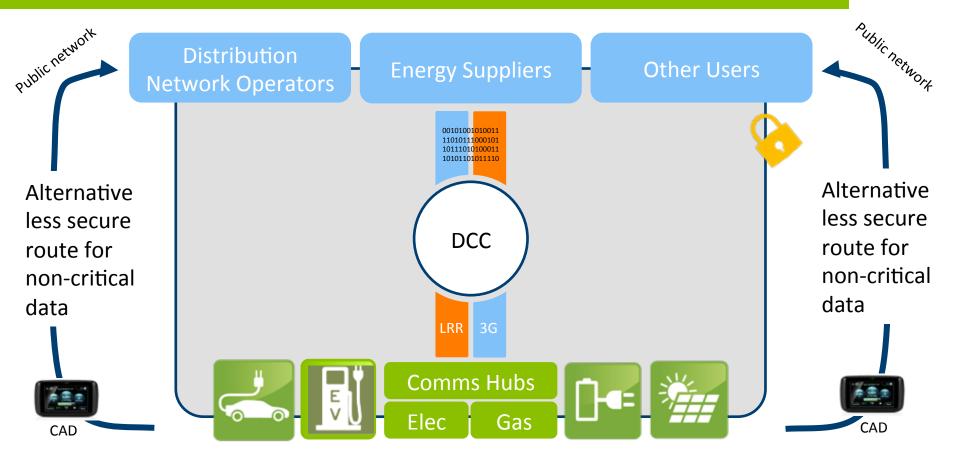
### The GB Smart Meter System: SMETS2





### The future energy system: Grid edge intelligence

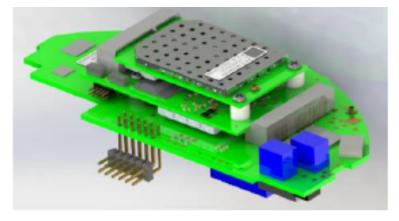




### **Landis+Gyr Inside**



- Smart meter 'on a chip'
- Plug-in module for secure, smart connectivity to DCC
- Integrates into EVs, smart chargers, solar PV and home batteries
- SMETS2-ready
- Cost-effective





### How do we proceed?



- UK has invested in a smart meter system which is:
  - Secure
  - Capable
  - Scalable
- We need to build on this secure platform...
- ...to bring the future energy system to life