

A smart metering network for Great Britain



The Data and Communications Company (DCC) is responsible for establishing and managing the infrastructure to support the main roll out of millions of smart electricity and gas meters to homes and small businesses across Great Britain. It forms part of the Government's wider Smart Metering Implementation Programme.

Funded by the energy industry, our infrastructure will connect smart meters in people's homes to the business systems of energy suppliers, network operators and other authorised users. It offers a secure, consistent service and avoids the complexity and duplicated costs of energy suppliers installing their own networks.

Our network will transform how energy is supplied and give consumers greater control over their energy use.



Scale

World's leading smart metering programme

One of the biggest national infrastructure projects in a generation

Largest change to the British energy sector since privatisation

One of the major secure networks in the world and the largest in Europe

Led by Government, delivered by industry,
regulated by Ofgem, promoted by Smart Energy GB

Benefits

Accurate bills and real time consumption data for all consumers

Reduced energy consumption

Transformed experience for pre-payment customers

Faster, easier switching

Better data to support network management

Avoids complexity and duplicated costs of suppliers installing their own networks

Platform for future home 'Internet of Things'



DCC in figures

200 DCC users including energy suppliers, network operators and other authorised organisations at peak

250,000 meter installations by energy suppliers per week at peak

70 million messages per day by 2020 across the DCC network

300 million install certificates

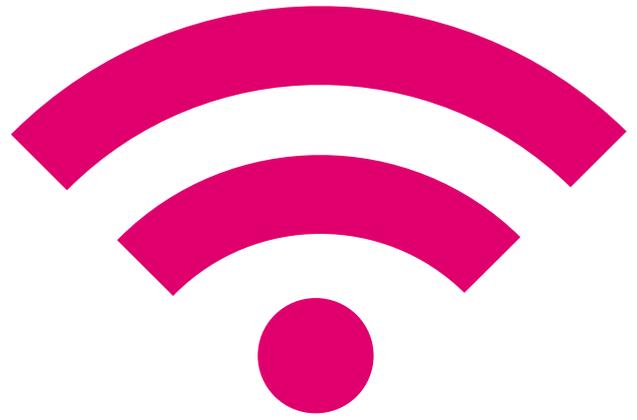
32 million Communications Hubs installed by 2020

140 services provided by DCC

Supporting up to 53 million smart meters installed in 30 million homes and small businesses by 2020

At least 99.25% coverage by 2020

A single shared infrastructure allowing competing energy suppliers to install millions of smart meters.



Private data kept private

Smart meters will operate on DCC's system which is built on national and international security standards

All data will be encrypted and accessible only by the customer and energy company

Smart meters will not connect to the public internet

Consumers are in control over who can access their energy data

DCC will not have access to data

Secure data kept secure

Messages containing energy consumption data will be encrypted at all times

DCC does not store, analyse or have the ability to decrypt the data

DCC is ISO 27001 certified, the international information security standard



A sophisticated system has been designed to protect messages sent to meters from hacking

