This presentation was live at:

Smart Buildings SHOW

18-19 October 2023 • ExCel London

Smart

ENERGY DATA

www.smartenergydata.co.uk

n3rgy

www.n3rgy.com

Easy, secure and scalable access to energy data from millions of smart and advanced meters, as well as other smart devices.

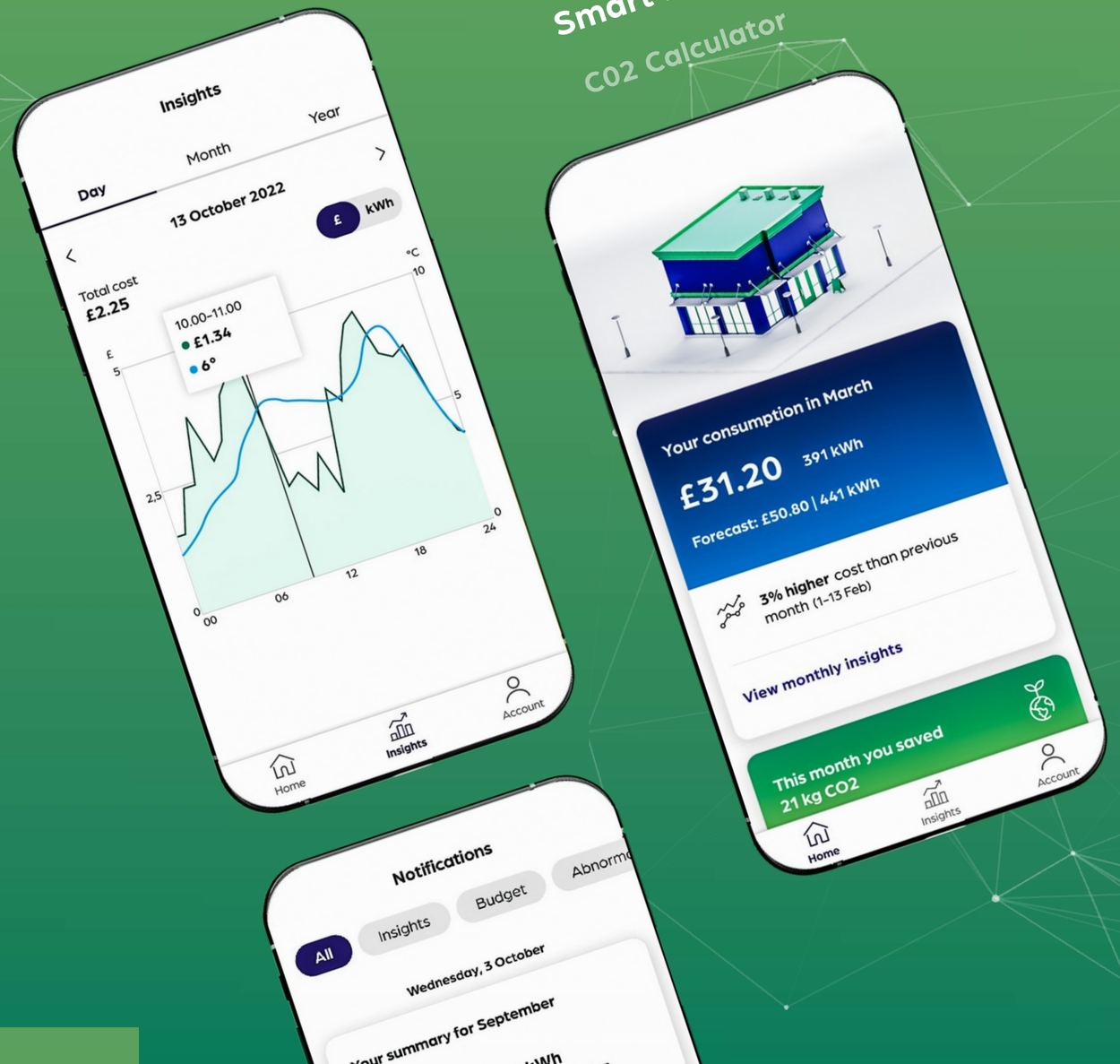
Presenter: Tom Woolley

Smart Product and Strategy Director – SMS Plc

AI Learning

Smart Insights

C02 Calculator



www.n3rgy.com

Energy is changing from Blockbuster to Netflix

What is Open Energy Data?

At the end of 2022

of the

31.3

million

smart and advanced

meters installed

This represents ~55% of Great Britain's Meter Points

15,500 more installed every day by Energy Retailers

Digitising our Energy System is unlocking energy data for everyone – no longer limited to Energy Supplier

The Smart Metering Ecosystem – GB

I&C

Domestic

Advanced Metering
(Direct Dial)

Data Communications Company

SMS

Energy Suppliers

Network Operators

Other Users

Fund, Install, Maintain

Data Services

Data Presentation Services

Consumers

B2B2C Companies

Energy Data is not just for the Energy Market

Energy Market

- Energy Suppliers (Import)
- Export Suppliers
- MAPs / MOPs / MAMs
- Solution providers
- DNOs / DSOs

Manufacturers & Installers

- Heat Pump
- Electric Vehicle
- Smart Appliances & Devices

Asset Operators

- Smart Home providers
- Charge Point Operators
- Energy Management Systems

Owners

- Landlords
- Businesses
- Vehicle Fleet Managers

Energy Services & Apps

- Energy Cost management
- Energy Usage management
- Switching Services
- Net Zero

Finance & Supply Chains

- Banks
- Inventors
- Pension funds

Simple, Reliable, Performance, Secure Modern Standards Based API

Regulatory Obligations

Technical Complexitiesrators

Reliability Difficulties

Security Demands

Privacy & Consent Obligations

Interoperability & Compatibility Issues

n3rgy Service Offering

Data Streaming	Electricity & Gas Consumption (30 minute), export and Tariffs Energy IoT (Internal Temperature Data)
Privacy Services	Standard and Industry Audited Consent Pre-approved and Bespoken trusted consent
Device Management Services	Inventory Diagnostics (basic) Firmware (meter) management
CAD Pairing	10 second data
Market role as a service	Other User Export Supplier DNO

GB wide data sounds expensive?

The Solution

Access To Data

- Low cost simple access to digital energy
- Digital & Self Serve
- Privacy & Consent Managed

Enhance Data

- Energy Insights
- Software Driven Sustainable Solutions
- ESG Obligation Alignment
- Flexibility Solutions
- Tariff Alignment / Optimisation
- Data aggregation for specific use cases

Drive Opportunities Through Data

- Acting on Recommendations
- Funding and Installation of Solutions

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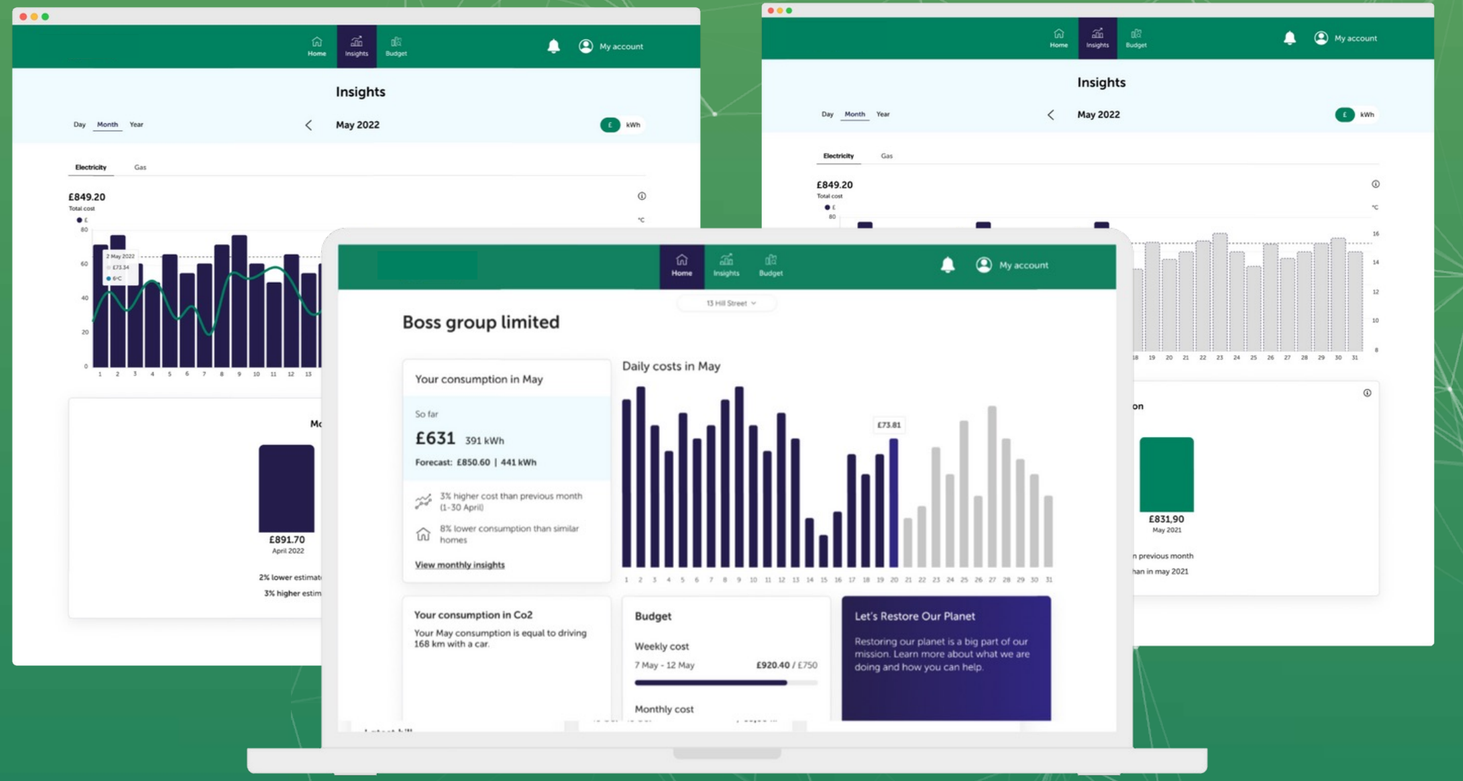
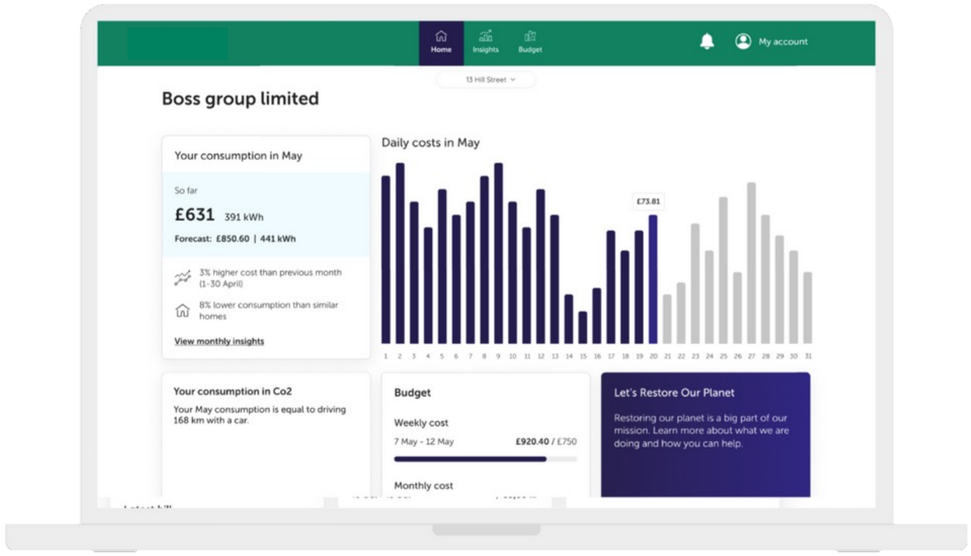
Adding Value to Energy Data

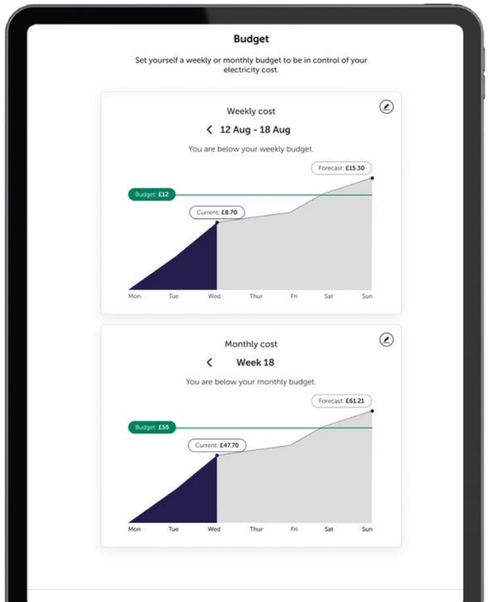
Energy Insights

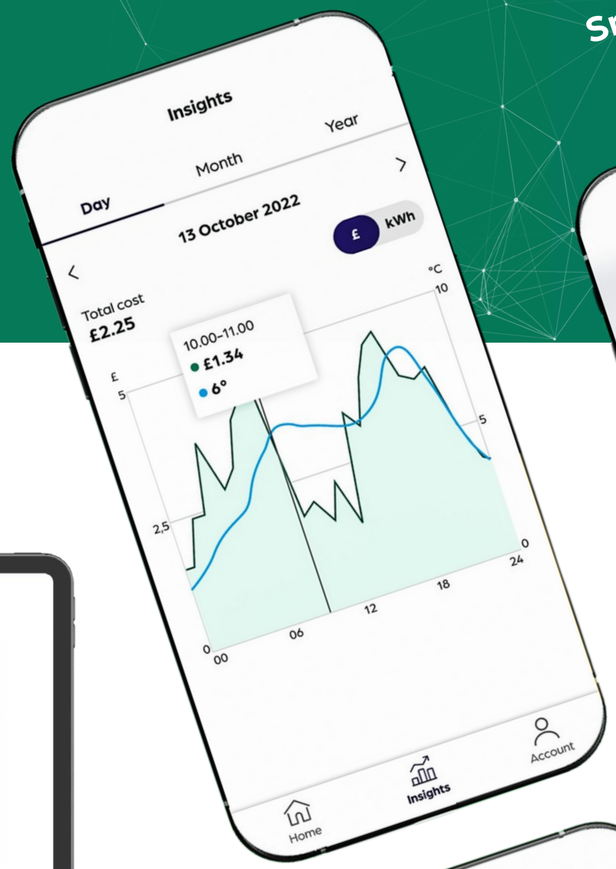


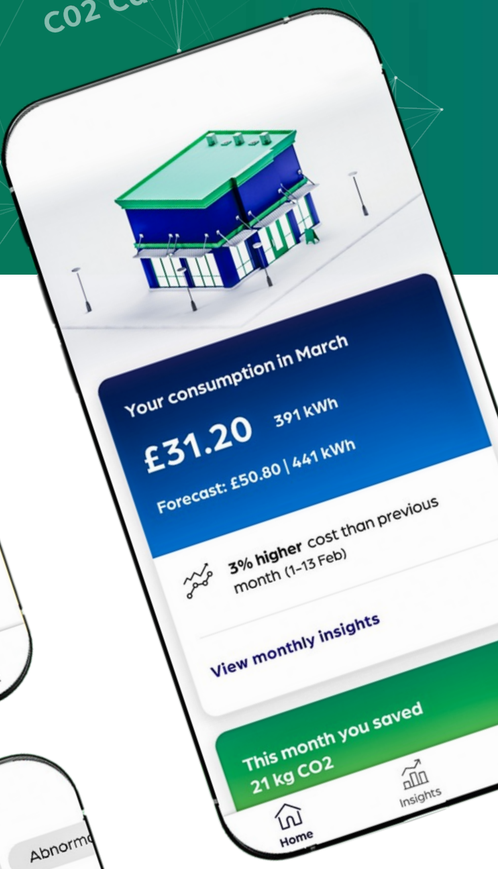
Introducing Our Platform
Smart Energy Data

AI Learning
Smart Insights
C02 Calculator









Smart Energy Data Platform – Core Features

- Web/Portal & App Solution for Business Customers
- HH Smart and AMR Data (Elec & Gas)
- 10s Smart and AMR Data (Elec)
- Full White Label Solutions for B2B and B2C Brands
- Integration of IoT and 3rd party data to enrich the energy data and analytics
- Machine Learning AI that will provide tailored hints and tips, anomaly detection, events/alerts
- Single site | Portfolio | Energy Suppliers views
- Forecasting, tariff management
- Platform for Flexibility (DFS | DSR)
- ESA (Smart Energy Appliance) Integration & Display
- Low Cost Subscription Model with data inclusive
- Digital and Quick Sign Up

Energy Insights Impact

- Digital Bookings from app
- Engaged Customers
- High Conversion Rate & HH Consent
- Route to Net Zero for Consumers

1x Digital interaction p/m	7 x Digital interaction p/m
68 seconds avg usage p/m	6+ mins avg usage p/m
27% churn rate	6% churn rate
20% Smart booking uptake	33% smart booking uptake
5% uptake in HH Data	89% uptake in HH data
Energy Efficiency / Savings	7% Reduction in Energy

Creating a Marketplace

Engaged Customer Base and a platform to deliver Flexibility & Energy Smart Appliance Propositions from such as Demand Flexibility Service, Demand Side Response, Heat & PV Retrofit Solutions

So what?

Access Flexibility Revenues

ESG Reporting

Data Driven Retrofit Propositions

Optimize Energy Spend

Use that digital, low cost engagement

Access Flexibility Revenues

Understand Carbon Footprint

Public Engagement Dashboards

What Now?

- This is becoming a tech race, to gain the trust of consumers and businesses and add value with Energy – beyond current services
- Asset Manufactures need to know this energy data, how and if their customers are benefiting from
- Don’t waste time –companies are moving now, to win the energy relationship with businesses and customers
- Energy Data & Insights is just the start
- We want to enable more innovators

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Thank You

We'd like to welcome any questions

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9-10 October 2024 • ExCeL London

We look forward to seeing you in 2024