

How will Smart and advanced meters help users?

Dylan Crompton, Energy360,
British Gas Business
dylan.crompton@centrica.com

Energy360[®]



British Gas Business' (BGB) large scale roll-out



MK10-1
2000-1010



R1 R2 R3 R4 R5

with pulse

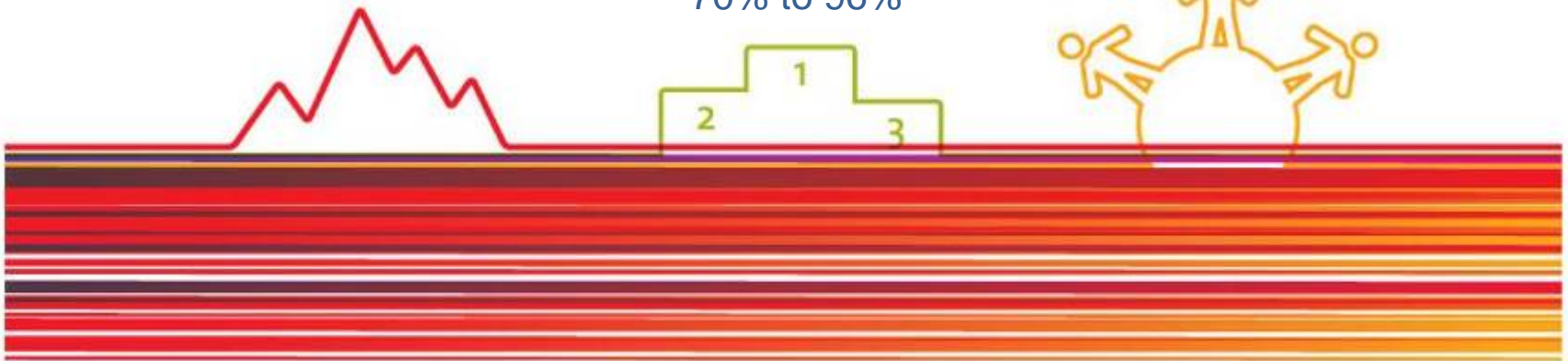
How will Smart and advanced meters help users?

Overview

Over
79,000 AMR
installations
since 2006

NHH*
settlement
performance
increased from
70% to 96%

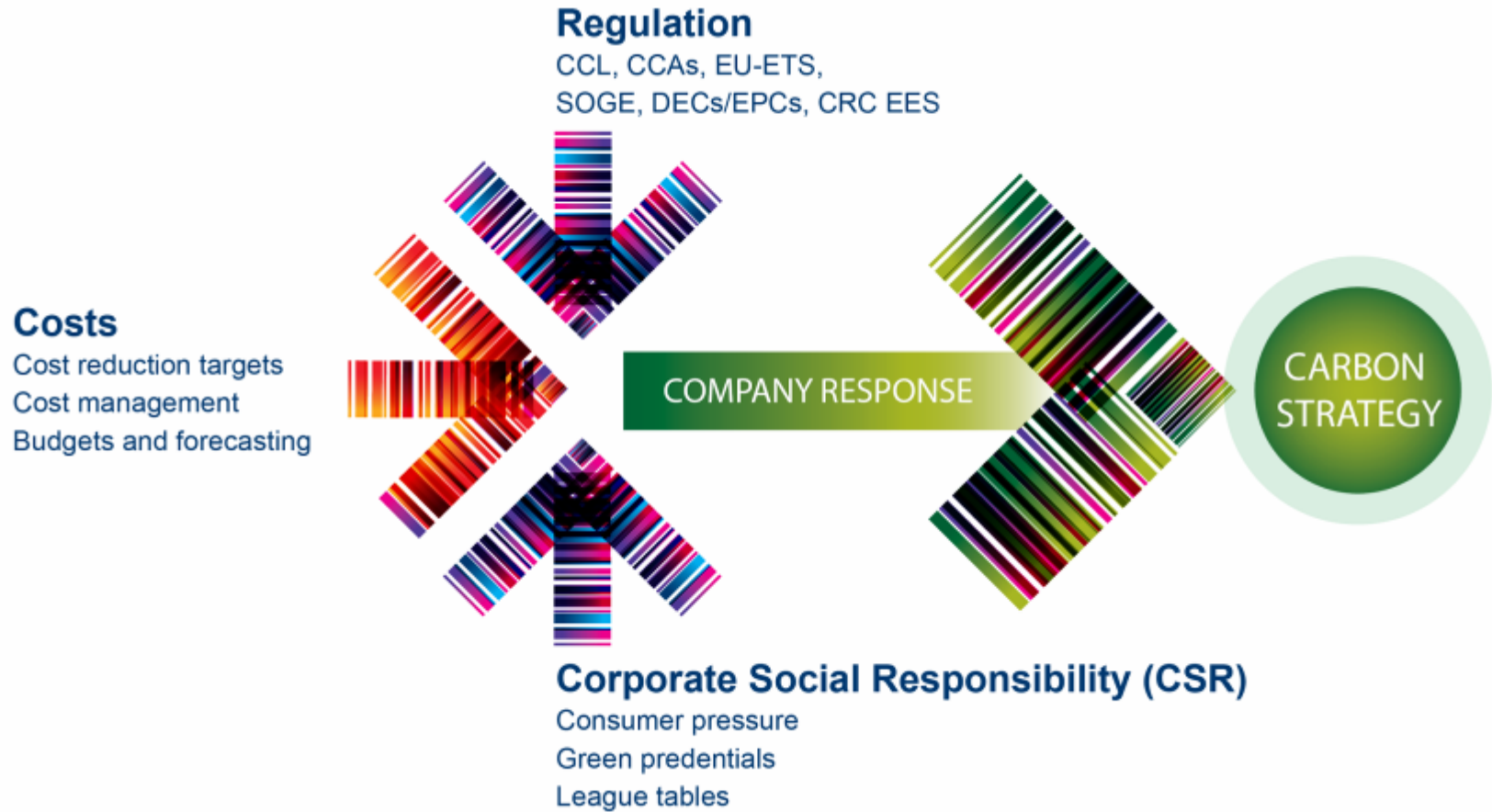
Increased
customer
satisfaction



*Non half-hourly

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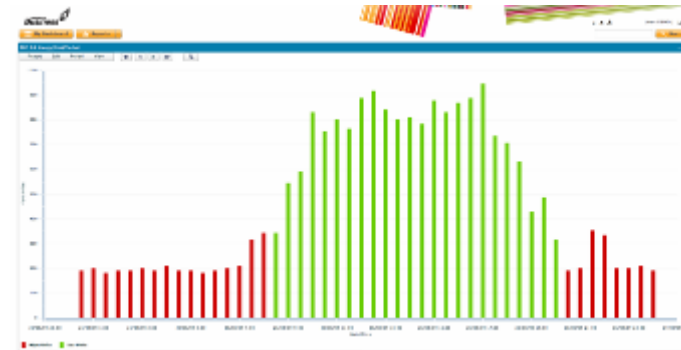
Carbon strategy



How will Smart and advanced meters help users?

Establish requirements - data

- Reads for billing only
- Early Action Metric
- Basic energy data
- Advanced functions
 - Degree days
 - CUSUM
 - Benchmarking
- Smart displays



How will Smart and advanced meters help users?

Establish requirements - contract

SCOPE OF WORK	Electricity, gas, water, oil, LPG, sub-metering
CONTRACT TERM	Typically 5 years: option of 3 to 10 years invoicing requirements
OWNERSHIP	Lease, capital purchase, annualised purchase
ACCREDITATIONS	Meter operator (MoP), data collector/aggregator (DC/DA) ESTA ASPCoP, water company approvals
PROCUREMENT ROUTE	Energy supplier, AMR provider Public sector Buying Solutions AMR framework

How will Smart and advanced meters help users?

Collate information

Site addresses



MPAN/MPRN/MSN

Contact details



Utility supplier details

How will Smart and advanced meters help users?

Technical considerations

Electricity

Profile class

Single / three phase

CT / whole current

GSM signal:

- enhancements
- fixed lines



Gas

Gas meter pulse status

Optical devices / meter exchange:

- meter asset provider / manager

GSM signal:

- enhancements



Project kick-off agenda



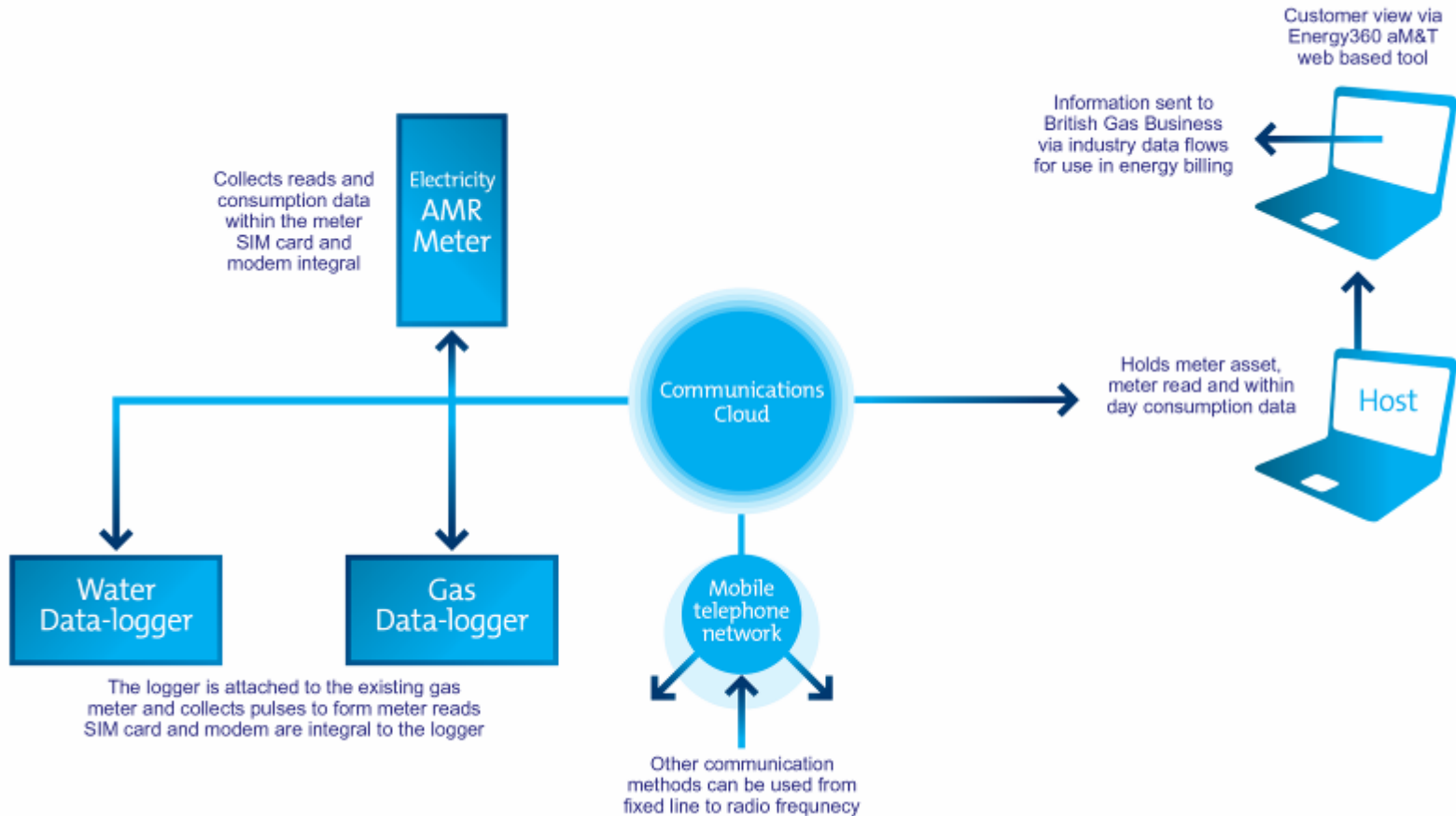
How will Smart and advanced meters help users?

- 1) Confirm contract details
- 2) Provide letters of authority
- 3) Review roll-out programme
- 4) BGB enhanced validation
- 5) Enhancement / exception management
- 6) Health & safety
- 7) Security and access
- 8) Progress reporting



How will Smart and advanced meters help users?

Implementation – the AMR process



How will Smart and advanced meters help users?

Vodafone

Vodafone, one of the world's leading international mobile communications groups, has sites all over the UK – making energy management very complex.

- Vodafone's target was to reduce its energy usage by 12% by the end of 2008/2009
- AMR was successfully trialed at 20 of its sites before being rolled out to a further 700
- The results of the trial were impressive: energy usage has been 40% less than the previous estimated bill
- AMR is being installed across the other 7,980 sites
- Vodafone expects to save between 5% - 10% on its energy use



In summary, the project is expected to pay itself within a year.

Summary



How will Smart and advanced meters help users?

Determine your requirements
Use accredited technologies/providers
Collate accurate information
Consider impact of installation
Use the data to make savings

For more information please visit
energy360.co.uk



How will Smart and advanced meters help users?

Thank you for listening

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