

Smart Energy Ecosystems

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Director of Embedded Marketing

4th Annual Smart Grids & Cleanpower 2012 Conference
14 June 2012 Cambridge

www.cir-strategy.com/events

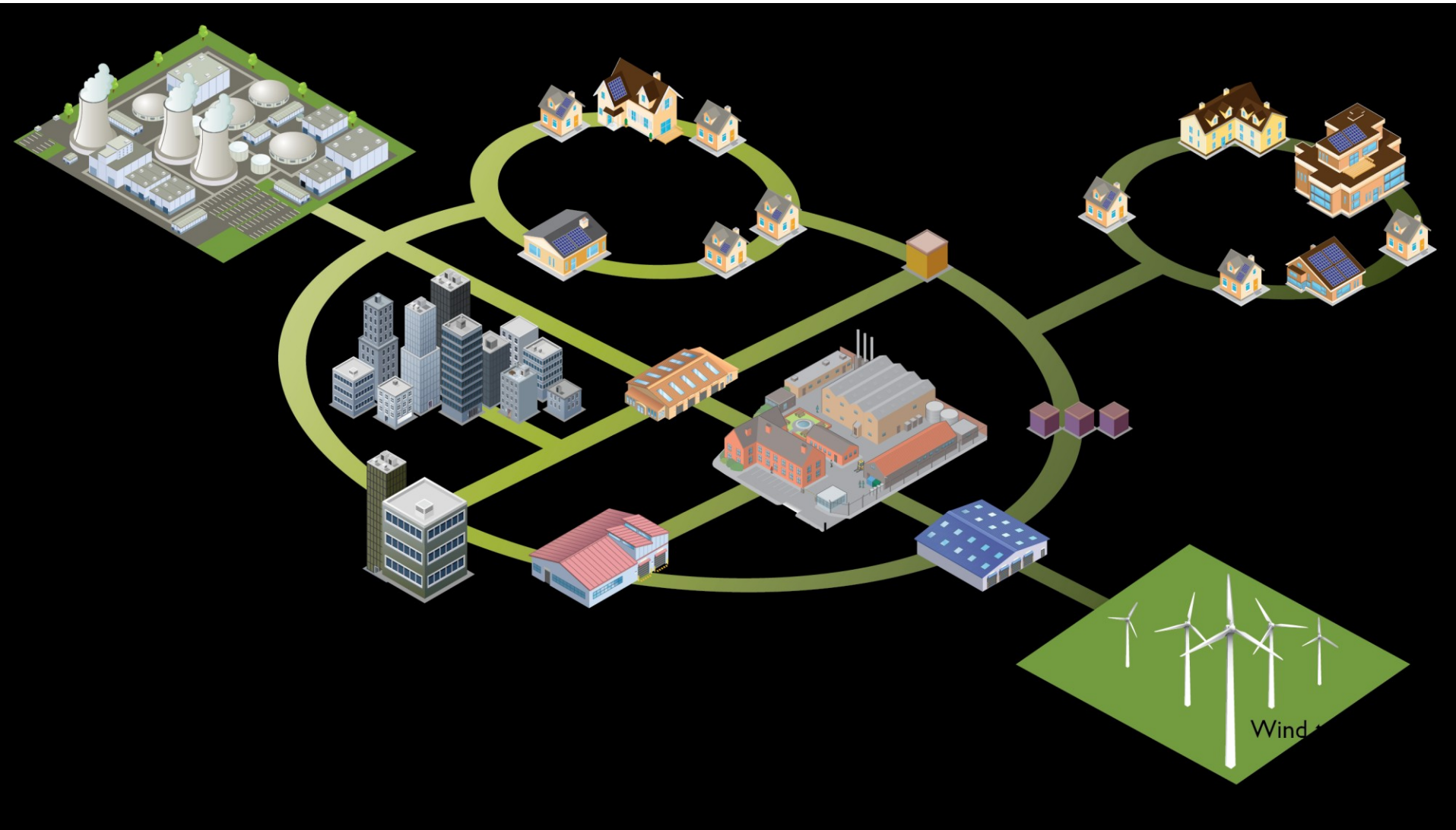


World's Most Prevalent Architecture

- 95% of all Mobile Phones
- Embedded in Everything
- ~8 Billion in 2011
- >80% Smart Meters
- Connected Appliances
- Soon: Servers for ADR



Smart Energy Ecosystems



Consumer Concerns



“I can’t sleep and my head doesn’t feel right often”

“We’re sitting in this bath of electromagnetic signals that the human body wasn’t designed for.”

Consumer Concerns

**REFUSE
SMART METER
INSTALLATION**
RefuseSmartMeter.com

RESIDENTS DECLARE HORNBY ISLAND A SMART
METER FREE ZONE

Smart Meter Resistance Spreads to SoCal: Are New
Wireless Meters Making You Sick?

Smart Grid Resistance: Woman Arrested For
Trying to Stop Smart Meter Installation

Vancouver Rallies: Smart Meter Resistance Builds

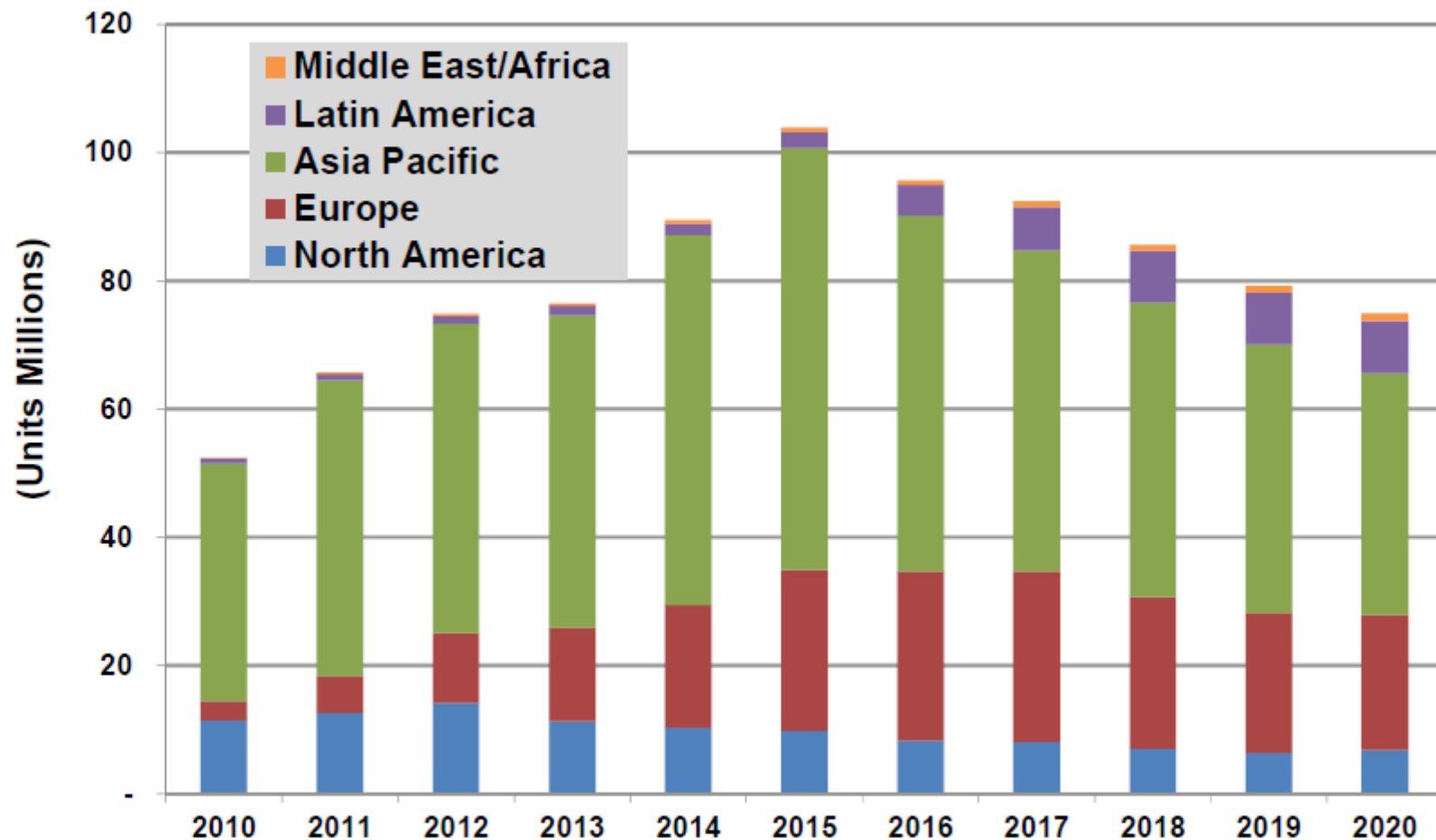
RefuseSmartMeters.com

IMMEDIATE ACTION REQUIRED, POST REFUSAL SIGN OR LABEL NEAR YOUR METER



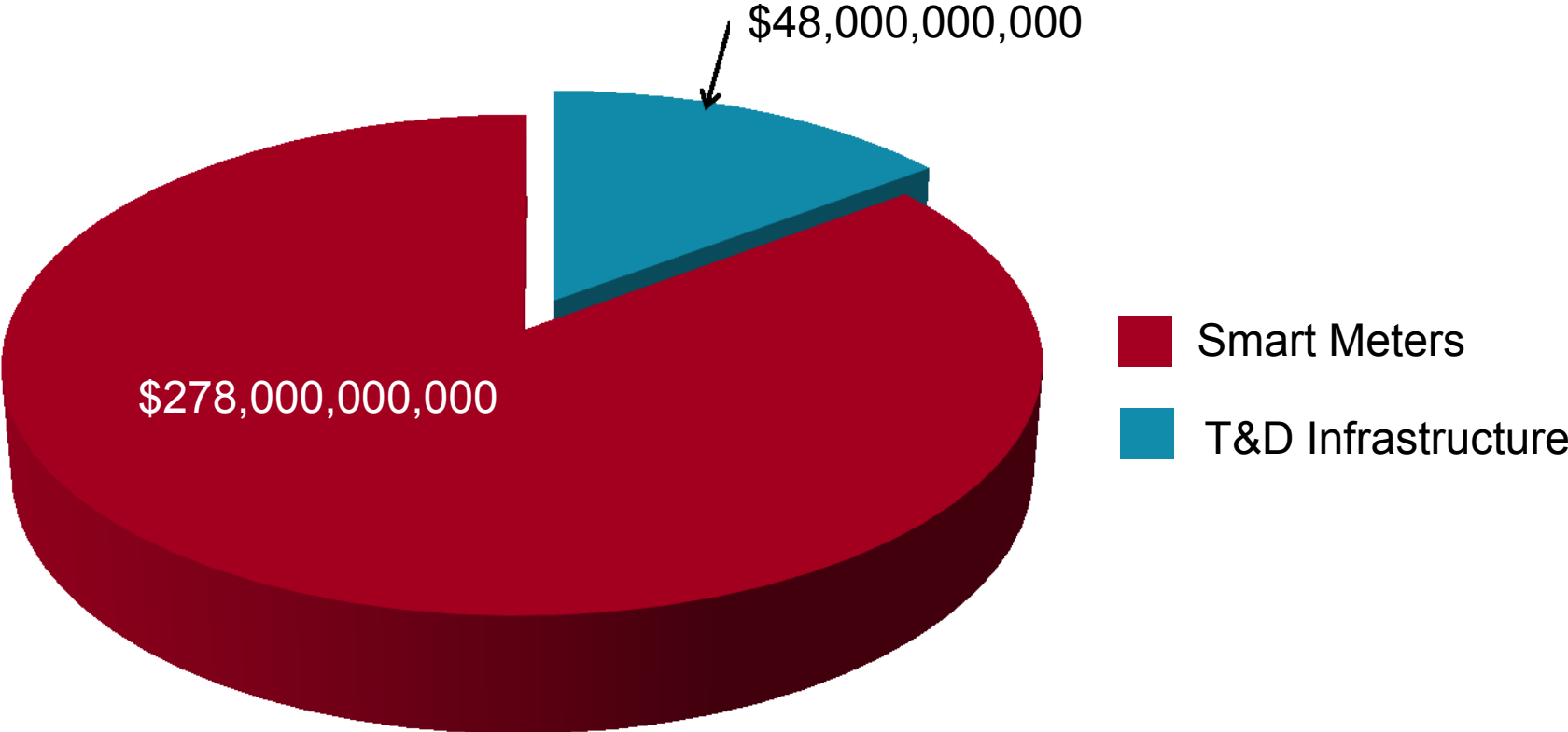
Smart Meter Shipments Growing

Smart Meter Shipments by Region, World Markets: 2010-2020



(Source: Pike Research)

Projected Smart Grid Investment - 2017



Deployment Challenge

"The deregulated structure of the UK market is uniquely challenging for rapid and co-ordinated action in a large scale initiative like this and we believe that smart meter deployment in 65 per cent of UK homes by 2015 is not possible. There is a great deal of work still to do to finalise the technical and regulatory framework for smart metering,"

The European Market for Smart Meters Report, Sentec, 2012

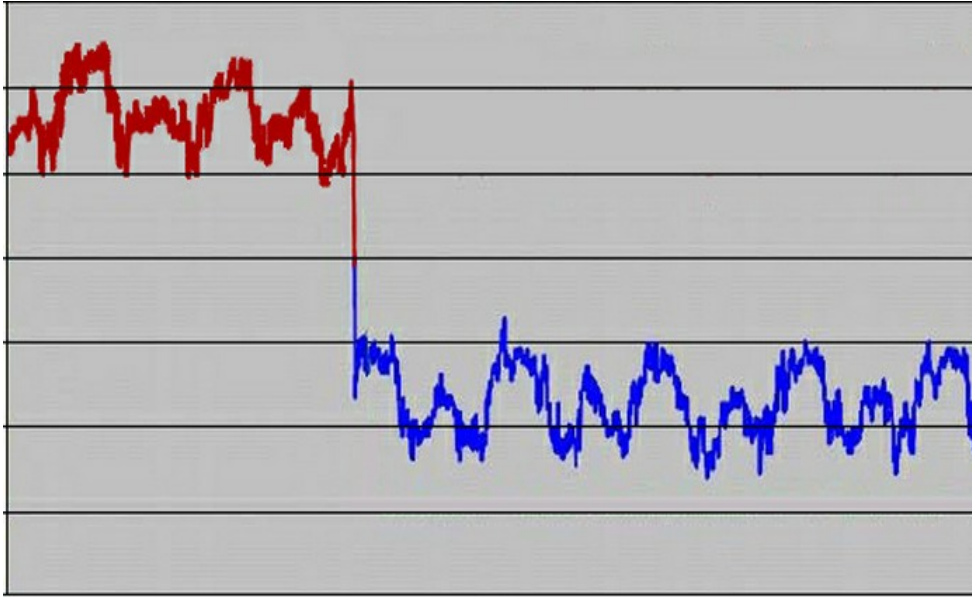
Smart Home Energy Management



Low Power Design - Global Deployment



Voltage Rectification



Streetlight Revolution - EnLight



Technology to Improve Motor Efficiency

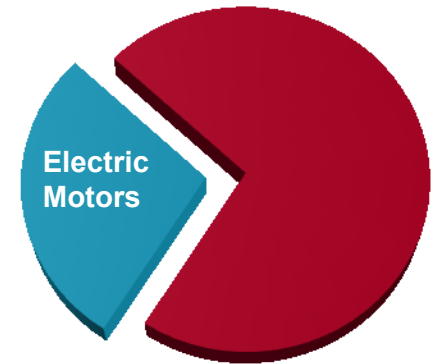
42%
of all electricity used
powers industry

→

2/3
of this is used by
electric motors

=

28%
Global energy
consumption



Battery Management



SMART SENSORS

22c

12:37pm



18c
soil temp

12c
soil temp

12c
soil temp

pool temp 26c

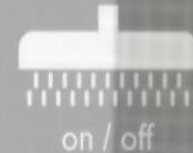
good luck today
mum x x



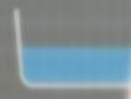
7:52am



brushing time
+ 10 credits



on / off



on / off

END-USER ENGAGEMENT

Thank You



ARM Info

- Find out more about ARM by following these links:
 - ARM website: <http://www.arm.com/>
 - ARM Connected Community®: <http://www.arm.com/community/>
 - ARM Blogs: <http://blogs.arm.com/>
 - ARMFlix on YouTube: <http://www.youtube.com/armflix>
 - ARM on Twitter:
 - <http://twitter.com/ARMMultimedia>
 - <http://twitter.com/ARMMobile>
 - <http://twitter.com/ARMCommunity>
 - <http://twitter.com/ARMEEmbedded>
 - <http://twitter.com/ARMSoC>
 - <http://twitter.com/KeilTools>