Heat10 Conference 2nd December 2010

Smart Meter Roll-Out Logistics

Terry Rowbury Director of Energy & Installation

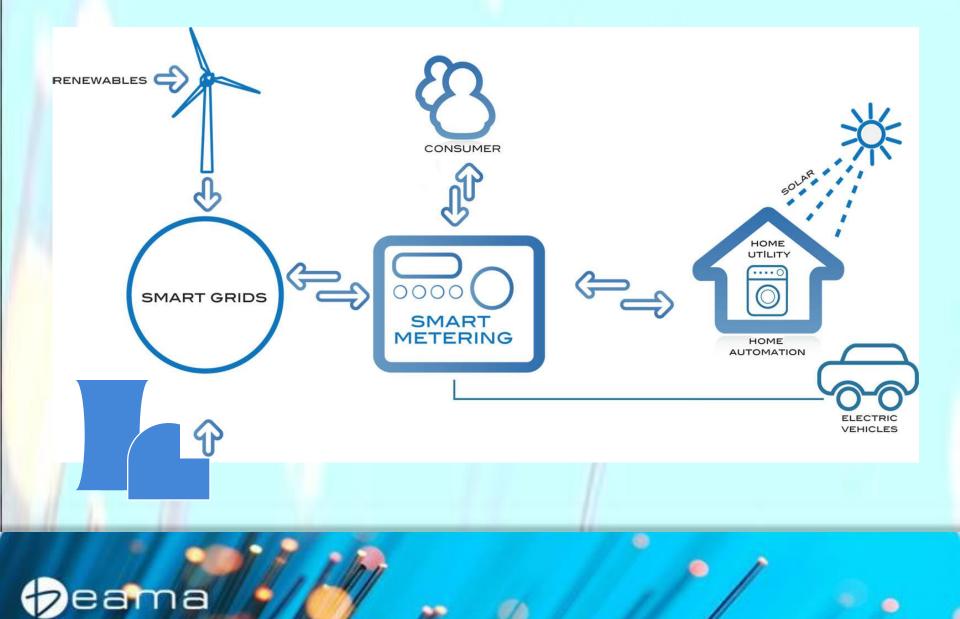


2050 Pathways Analysis

Common themes

- Ongoing need for fossil fuel in energy mix, role unclear dependant on range of issue including CCS
- Ambitious per capita energy reduction is needed
- A substantial level of electrification of Heating, Transport and Industry
- Electricity supply may need to double, and will need to be decarbonised

... ENABLING A SMARTER ENERGY WORLD



Smart Meter Roll-Out

- 47 million smart meters installed by 2020 (or before?)
- Prospectus published in July this year
- Development of new communications architecture





Smart Meter Roll-Out =

A complex Engineering, Logistics and Skills challenge



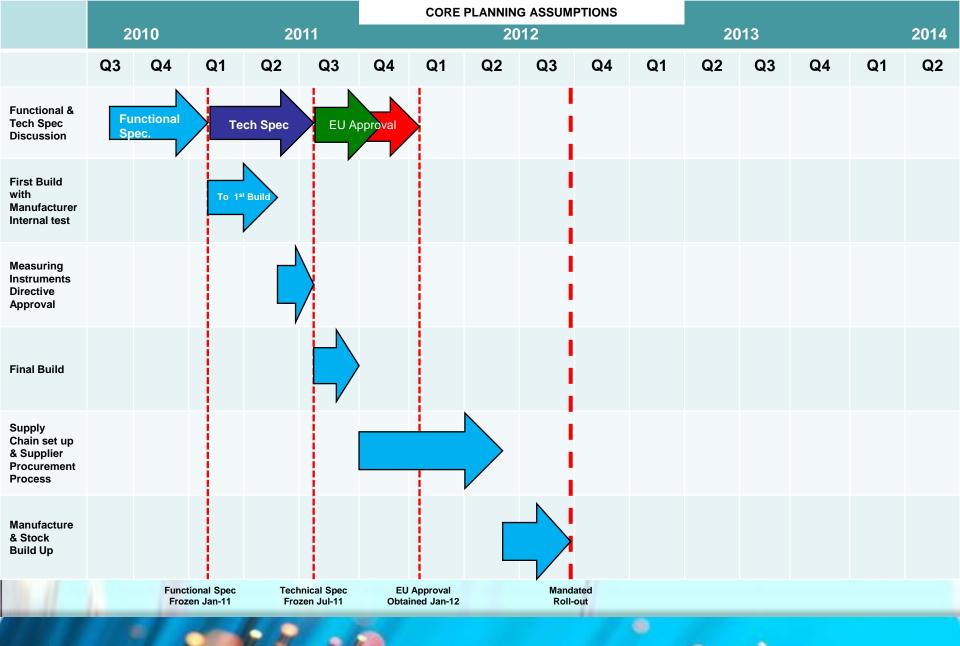
High Level Functionality

- A. Remote provision of accurate information
- B. 2-way communications
- C. Home Area Network
- D. Multiple tariffs
- E. Load management capability
- F. Remote disablement/enablement
- G. Measuring exported electricity
- H. Communicate with microgenerator

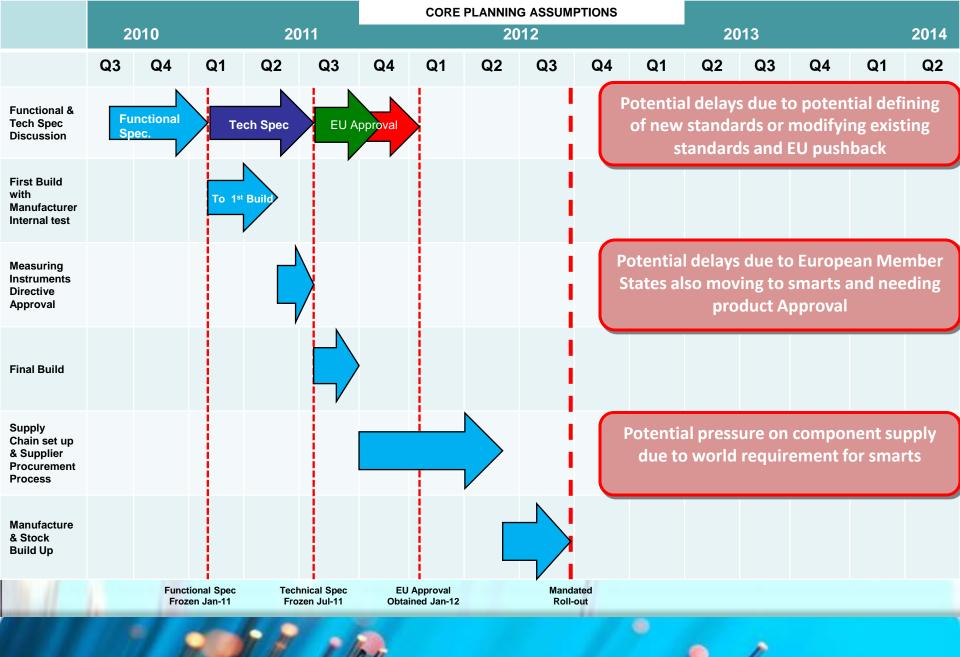


						CORE PLANNING ASSUMPTIONS										
	2010			2011		2012				2			2013			2014
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Functional & Tech Spec Discussion																
First Build with Manufacturer Internal test																
Measuring Instruments Directive Approval																
Final Build																
Supply Chain set up & Supplier Procurement Process																
Manufacture & Stock Build Up																
		Funct Froz	tional Spec en Jan-11	Techr Froze	nical Spec en Jul-11	EU A Obtain	pproval ed Jan-12		Mand Roll-	ated out						
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Home Networks take everyday devices and make them into.....









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