

DSM in the UK – What are the Questions?

IEA DSM Workshop ‘Is DSM the Answer?’
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Why?

Who?

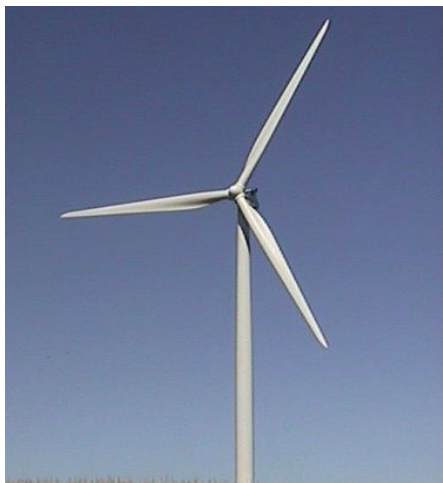
What?

DSM

How?

When?

Why?



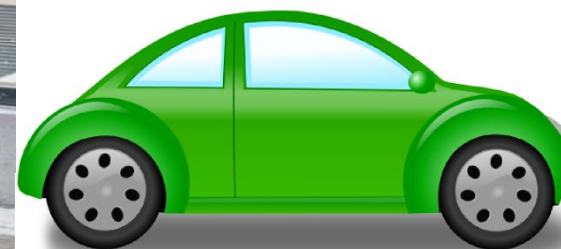
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Chris Madden
www.chrisismadden.co.uk



"As a commitment to the environment
it comes with its own wind turbine."



Who?



- UK has a liberalised, competitive electricity industry
 - Metering provision is a Supplier obligation
 - Metering operation has been opened to competition
- DSM can deliver benefits to a number of participants
 - National Grid
 - DNOs
 - Suppliers
 - Others...
- Need to ensure that the actions of different actors don't end up cancelling each other out!

What?



- DSM can change the load level or the load shape
- Schemes have been in place with large, industrial consumers for ~20 years in the UK
- Interest is now focusing on domestic and commercial consumers
- Can take many forms including:
 - End Use Monitoring & Feedback
 - Time Of Use Pricing
 - Remote Direct Load Control
 - In-house Automation

How?



- Rollout of Smart & Advanced Metering is likely to create opportunities
 - 2-way Comms into small consumers
 - Allow for development of new tariff options
 - ‘Smart’ dispatch of onsite generation
- Smart Appliances
 - e.g. Dynamic Demand of Fridges/Freezers
 - Home Energy Management systems
- Information provision
 - Real Time Displays
 - Better Billing
 - Websites / Mobile Communications
 - Energy Audits / Community Energy Programmes

When?

