

# Trends & Drivers | Overview of smart grids landscape

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8<sup>th</sup> C4IR Smart Grids Cleanpower 2017  
Conference

19-20 June 2017, Cambridge, UK

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Join us for follow up on 9th SGCP18  
26-27 June Cambridge, UK

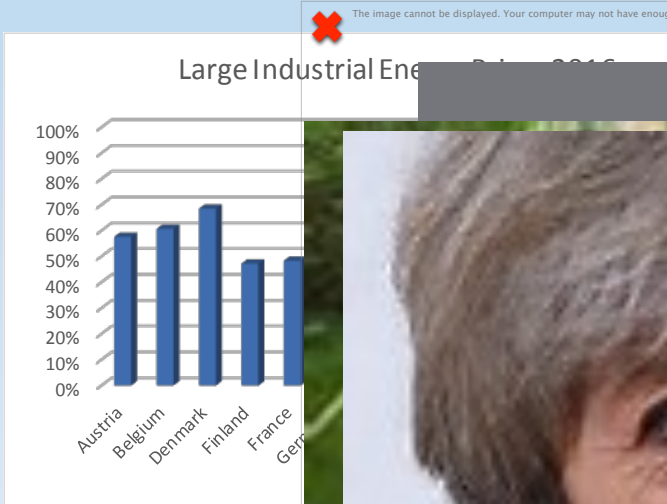
# Moving to a green grid



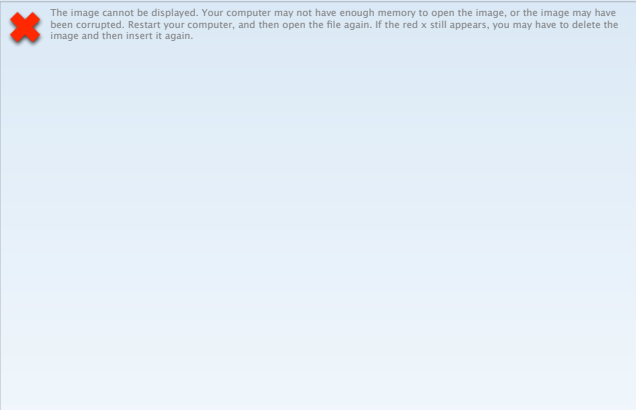
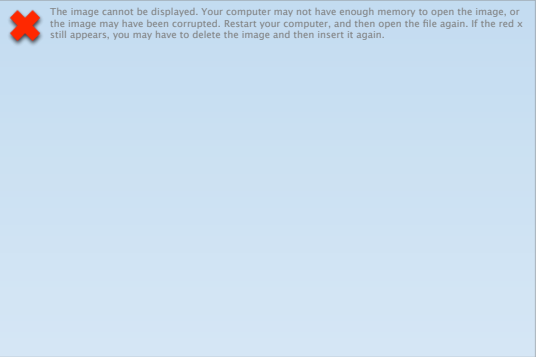
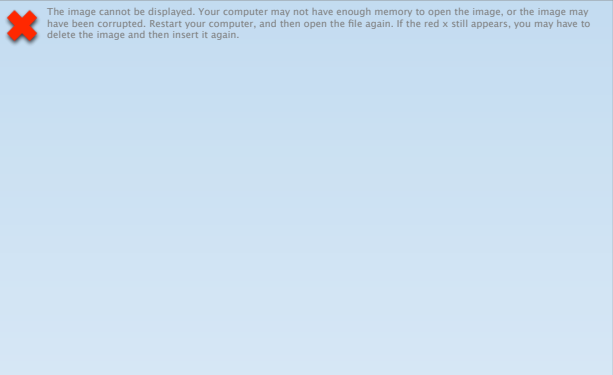
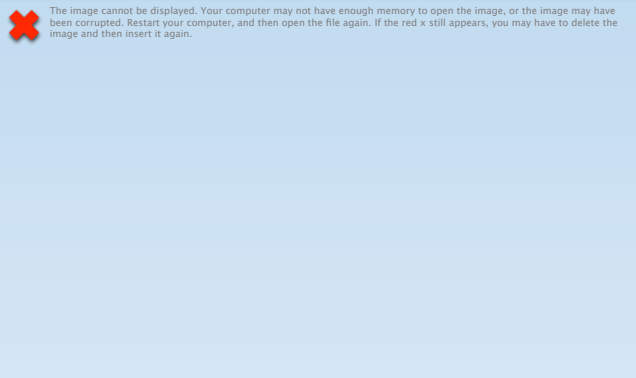
## The Challenges

- Not where people live
- Not where there is existing grid capacity
- Don't generate at the right time
- Too expensive
- Market not working well

# What's happened in the last 12 months?



# Electric Vehicles Use Growing



# What else has happened in the last 12 months?

- Market Failure Concerns
- DCC gone live
- Smart Thermostat Growth
- Storage growth
  - First NG contracts for storage
  - Partnerships with car makers
  - Domestic storage use growing
- Hydrogen injection trials
- Subsidy free bid for wind generation in Germany
- More than 50% renewables in a days generation
- Negative energy prices

# What about the next 12 months?

- More clarity on Brexit
- Election?
- New government?
- Smart Meter rollout
- Widespread Time of Use Tariffs?
- Price CAPs
- Inquiry into energy costs
- Changes to charging mechanisms?
- Steps to Nationalisation?
- More trials of blockchain?

Plenty to discuss!

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