



EirGrid Group Customer Conference 2012

25th October 2012

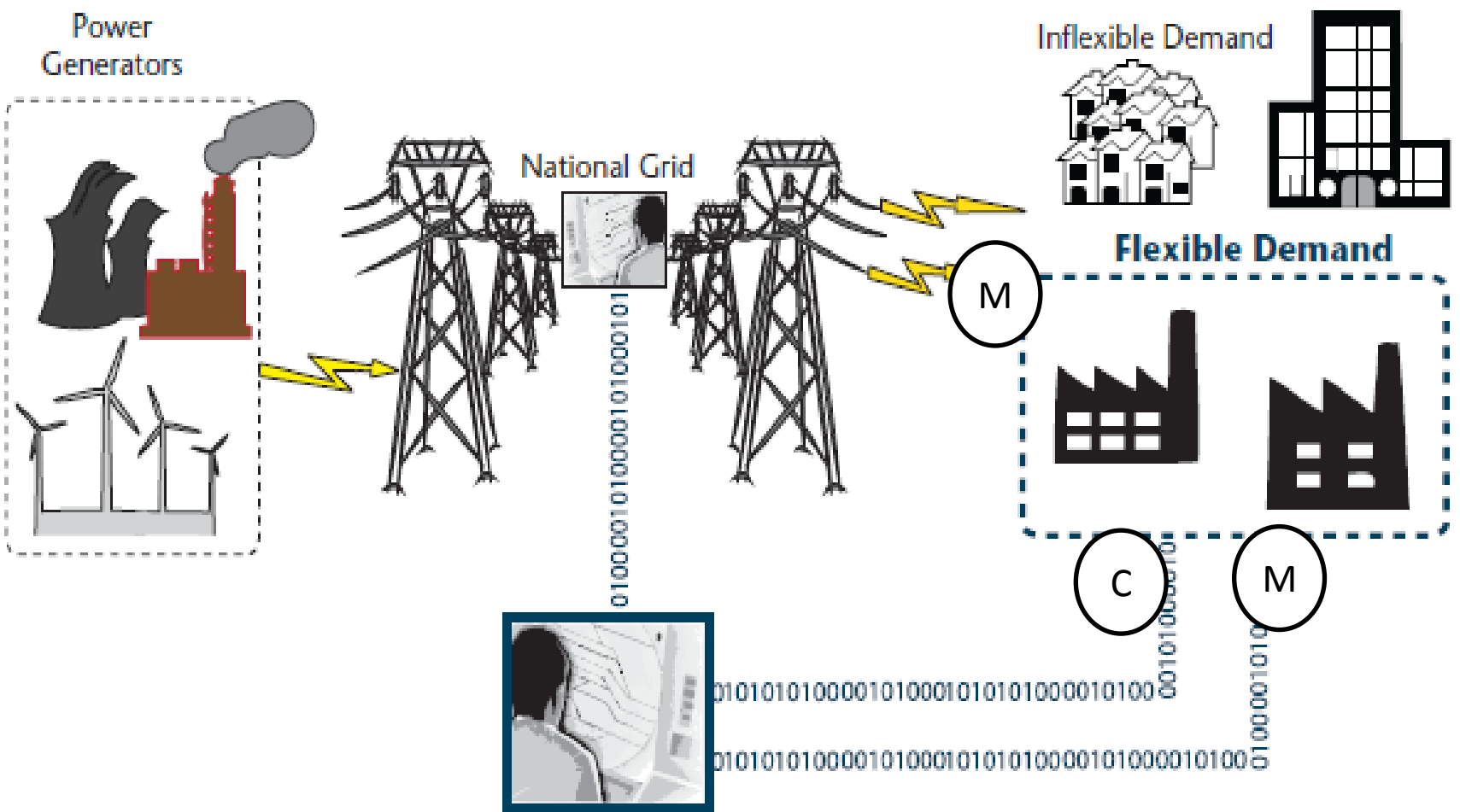
Delivering the Power System of tomorrow



Activation Energy

- *Established in 2006*
- *First Demand Side Unit (DSU) in ROI*
- *Single Electricity Market*
- *Contracted to EirGrid as DSU*
- *Electricity Supply License from CER*
- *TSC Modifications Committee and Grid Code Review Panel*

Demand Side Unit



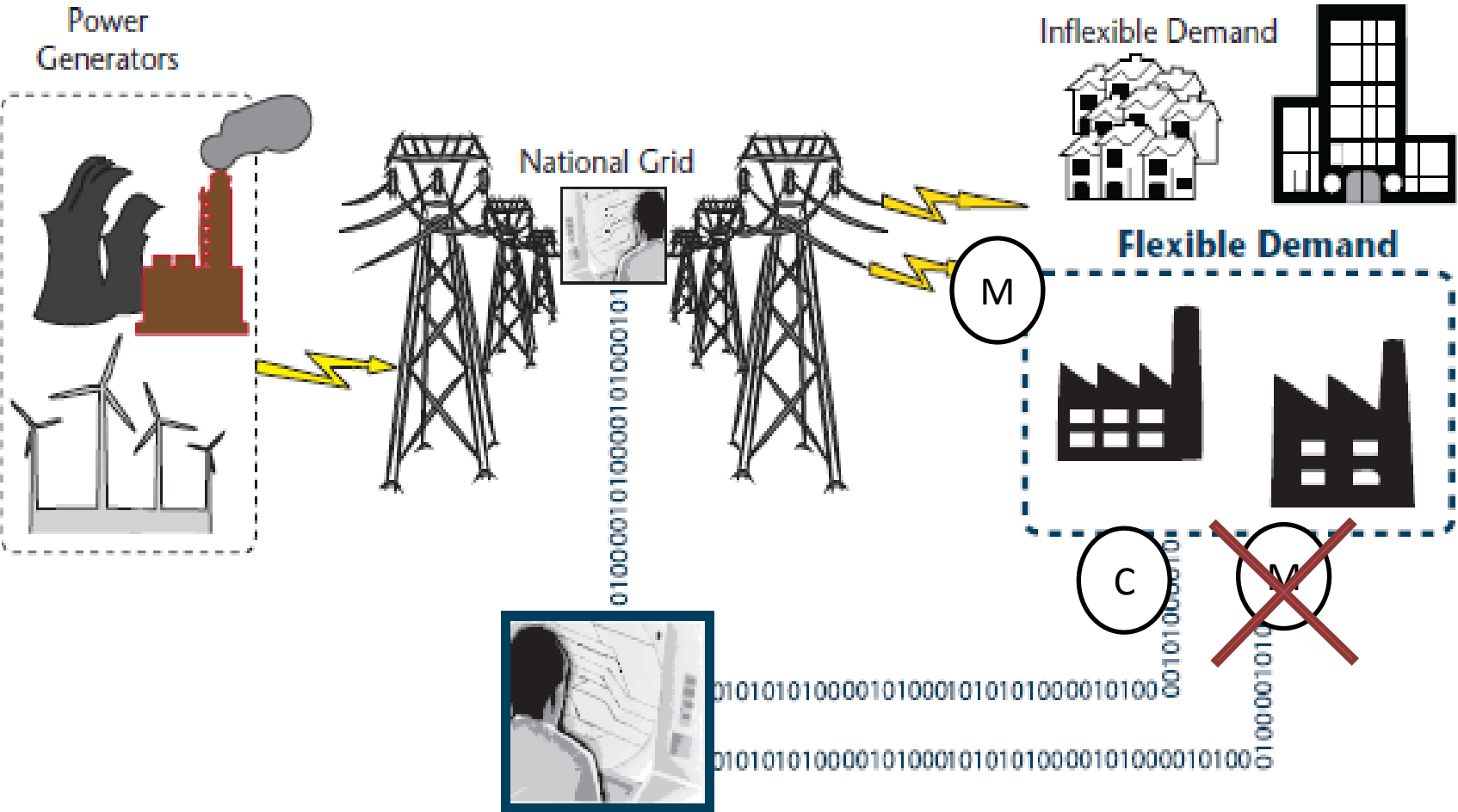
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Our observations

- Control is easy and cheap
- Monitoring is expensive and hard
- Not practical for smaller pieces of equipment

Proposal



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Proposal

- Deploy monitoring equipment on a statistically representative sample of an equipment type
(Pop – 50,000-100,000, +/-10, 95%, sample of 96)
- Make this data available to EirGrid as a proxy for all other similar equipment
- No need to install further monitoring equipment

Outcome

- Large quantities of new Capacity for the System
 - Comfort Cooling – 83MW*
- Diverse sources
- Equipment which could be cycled easily and regularly
(Facilitate Ramping?)

*SEAI Demand Side Management in Ireland

Participants

- EirGrid
- NDRC
- ESB Networks
- Universities
- SEAI
- Activation Energy