

FUTURE
INTERNET
SMART
UTILITY
SERVICES

FINESCE

FINESCE Project

EV Integration Trial

Ireland

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ERICSSON

Alcatel·Lucent



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RWTHAACHEN
UNIVERSITY

ESB

NETWORKS



Waterford Institute of Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE



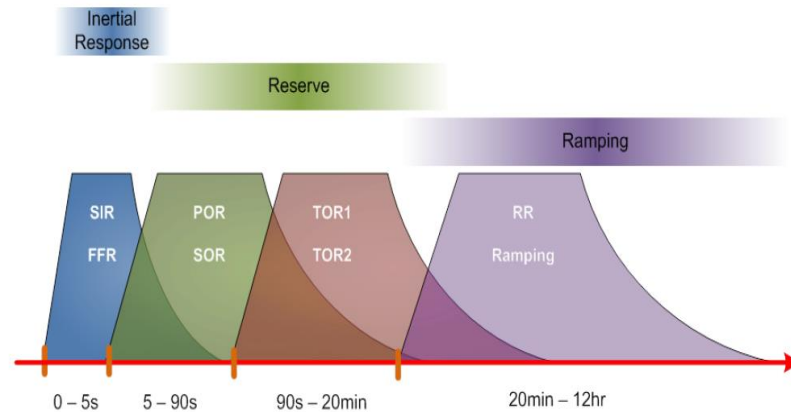
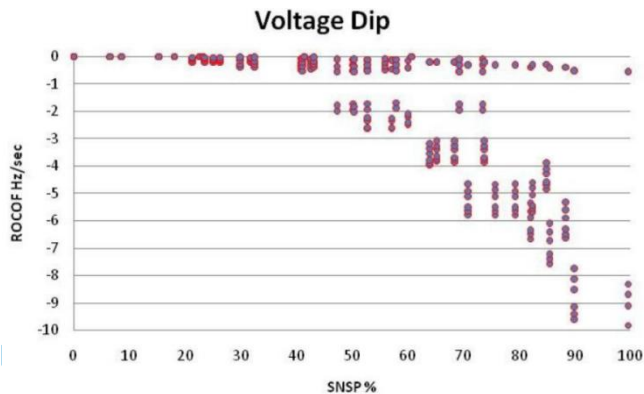
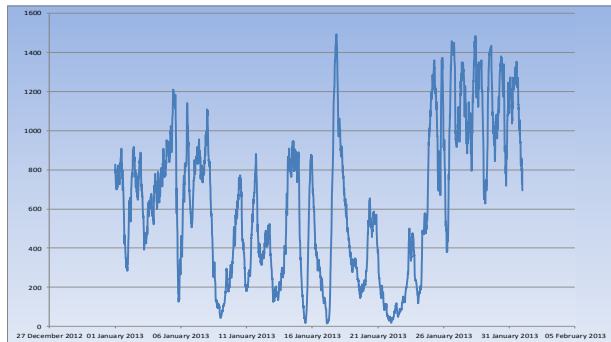
FUTURE
INTERNET
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EV Integration Trial - Rationale

FUTURE
INTERNET
SMART

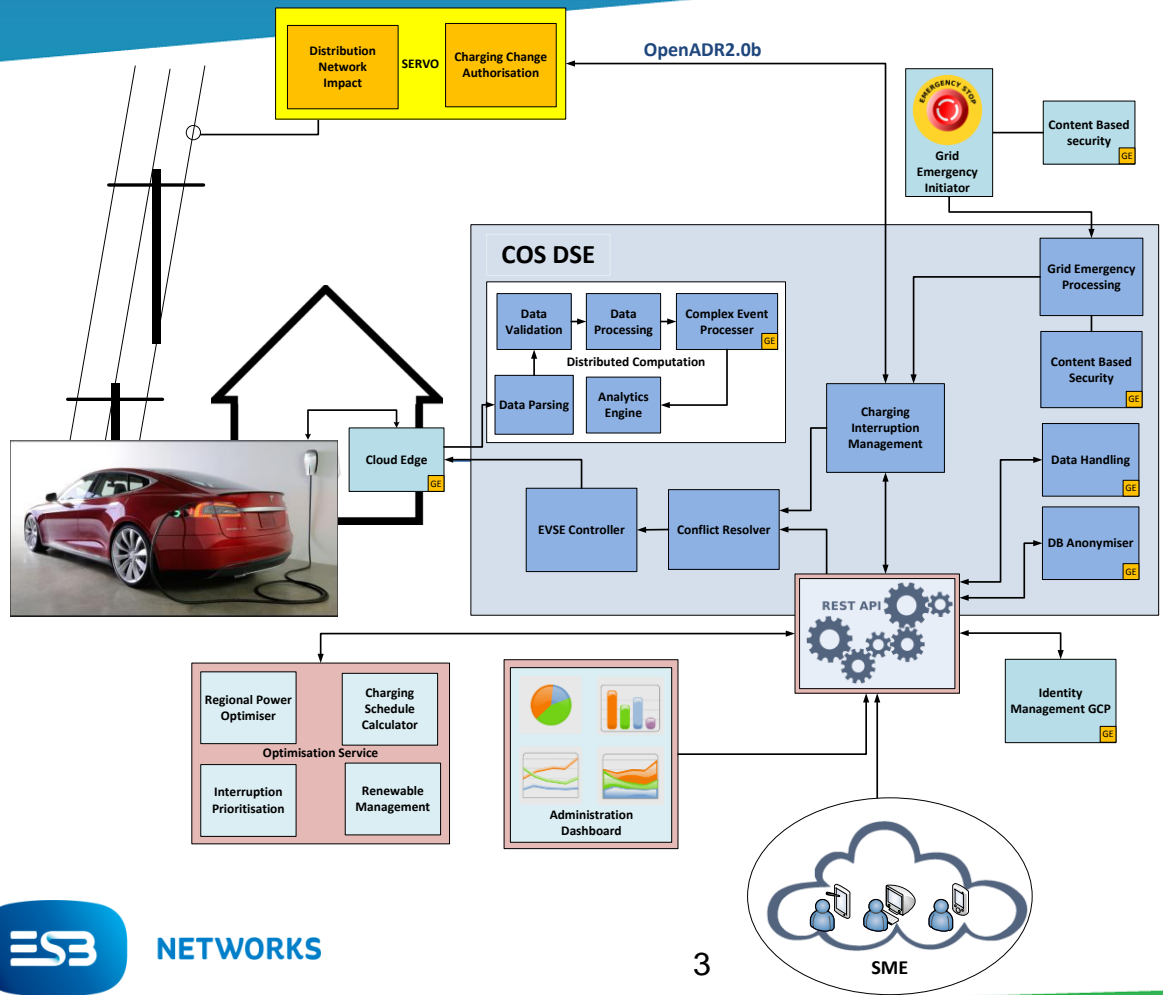
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1. Renewable Volatility - Grid Instability
2. Threat to Distribution Assets
3. New Services Development



FUTURE INTERNET SMART UTILITY SERVICES



Results

- Grid response <1sec
- Distribution management
- Scalability
- Generic Enablers
- SME services
- Significant business potential

EV Integration Trial Ireland - Conclusions

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SERVICES



- **GEs aid faster and lower cost trials**
- **EU support for EV charging control, grid stability and distribution network protection**
- **New energy service potential untapped**
- **Common platform for SMEs across power utilities needed**