Smart charging

Electric Nation: the largest smart charging project in the world

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Roaming Payments Invoicing

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GreenFlux Platform

Operational management
Remote support
Smart charging
Platform as a service

White label platform solution
The world’s largest EV trial
• 700 chargers
• 40 different makes/models of EV
• Over 140,000 charging events
• Over 1,000,000 charging hours

Capacity management based on transformer load

https://www.westernpower.co.uk/innovation/projects/electric-nation
First iteration
First iteration
Smart charging
Request a higher priority for this charge session. Your request should become active within 15 minutes.

UK-GFX-ENA0129
REWARD BALANCE
£ 20.62

CHARGE SCHEDULE
Minimise costs

CHARGE SESSION
Not charging

RECENT TRANSACTIONS
20 kWh
Reward: -GBP0.62
21/08 16:21 - 22/08 10:56

5 kWh
Reward: GBP0.00
18/08 00:07 - 18/08 11:25

11 kWh
Reward: GBP0.00
16/08 21:16 - 17/08 09:09

3 kWh
Reward: GBP0.00
14/08 17:55 - 15/08 11:00

17 kWh
Reward: GBP0.00
13/08 21:36 - 14/08 09:55

Second iteration

Third iteration
Lesson 1: smart charging is appreciated!

Smart charging acceptance

- Smart charging acceptance: 86%
Lesson 2: Smart charging = Faster charging
Lesson 3: An app is crucial!

Provide insight

Provide influence

Keep it simple
Lesson 4: Real time price incentives to end users do not work
Lesson 5: Existing literature isn’t helpful (so far)
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Welcome to the DisConnected World
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Unlimited data!
Only €10 per month!
Lesson 6: Real-life implementation only partly possible

- Very good business case inside buildings
- No business case at households & public chargers due to legislation

Enexis head office
Smart charging
saved ~€200,000
Lesson 7: We can do this *today*!
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- Metering platform
- GreenFlux App
- Grid operator
- Energy supplier
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Charge Point Operator

(Smart) charging signal

This might also be the energy supplier!
Lesson 7: We can do this today!

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Charge Point Operator

(Smart) charging signal

This might also be the energy supplier!

Or an aggregator.
Lesson 7: We can do this *today*!

- **Metering platform**
- **GreenFlux App**
- **Grid operator**
- **Energy supplier**

**Charge Point Operator**

- This might also be the energy supplier!
- Or an aggregator...
- Or an OEM...

(Smart) charging signal
Lesson 7: We can do this today!

- Metering platform
- GreenFlux App
- Grid operator
- Energy supplier

Charge Point Operator

(Smart) charging signal

This might also be the energy supplier!

Or an aggregator...

Or an OEM...

Or any party using the GreenFlux platform;)}
Contact information

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