



Lutellica

*"Clean Energy for your off grid Needs"*



# Problem # 1

- Off grid Consumptions
  - Concert, Festivals, Construction Sites
- Inefficient off-grid solutions
- Use of fossil fuel for remote activities
- Noise and environmental Concerns

8000 festivals in Germany alone emitting **5 million ton CO2 per year.**



# Problem # 2

- Wind Curtailment

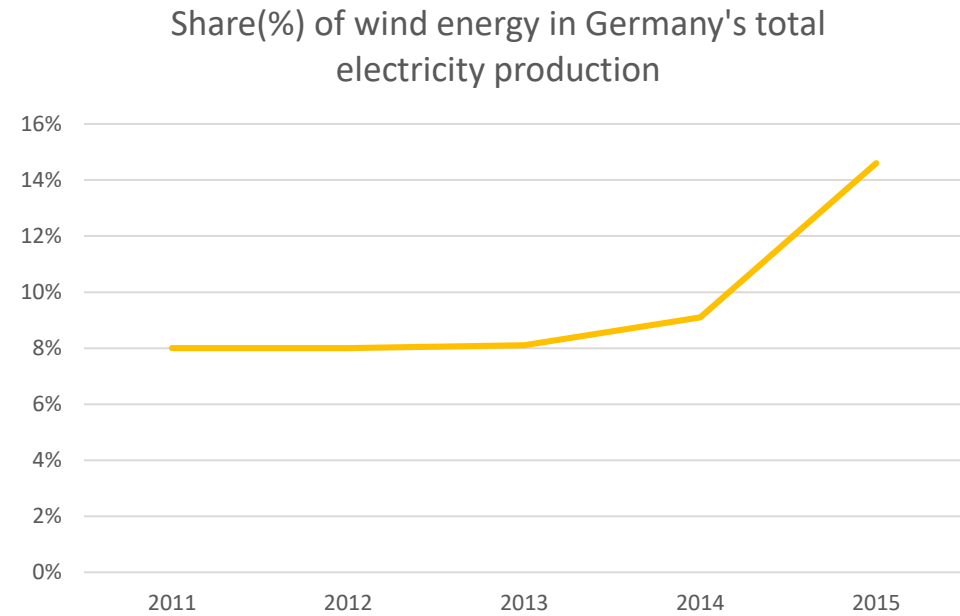
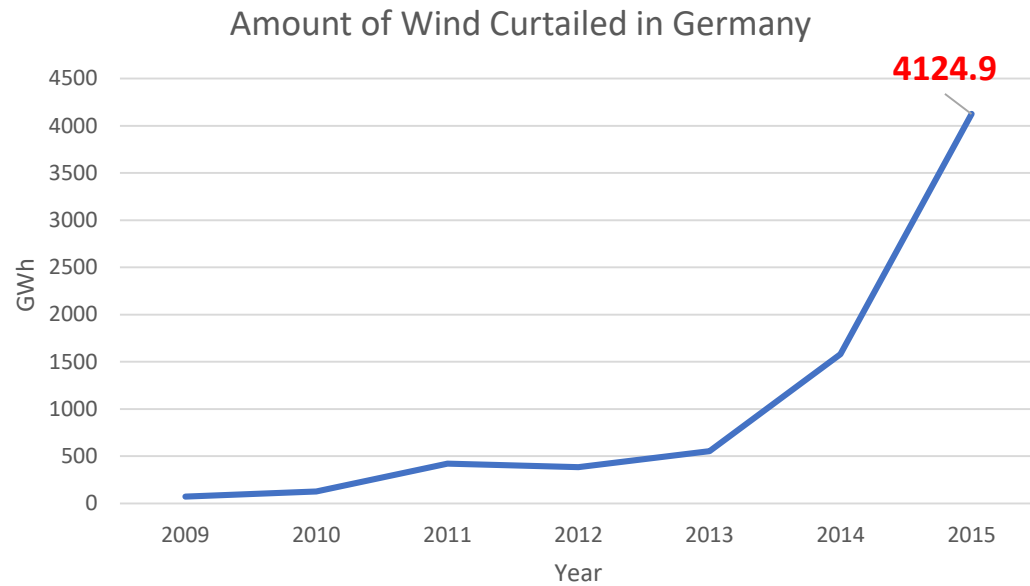
- Wind curtailment is the reduction in electricity generation below the full capacity of wind farm. It represents a significant loss in economic and energy efficiency.

- Wind energy is Highly Variable and Unpredictable

- Inefficient Grid capacity

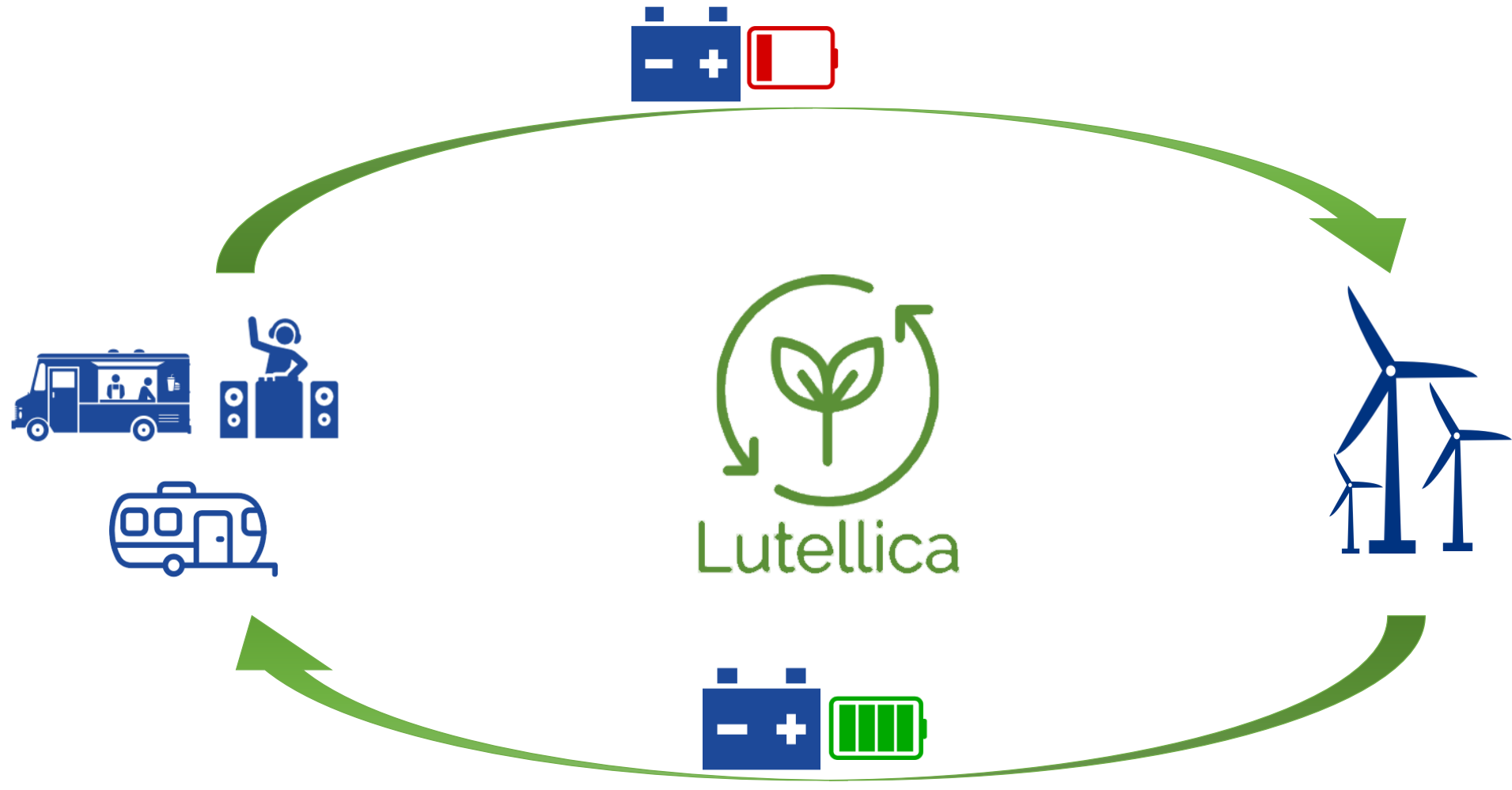
“Full potential of wind energy is not being utilized”

# Problem # 2



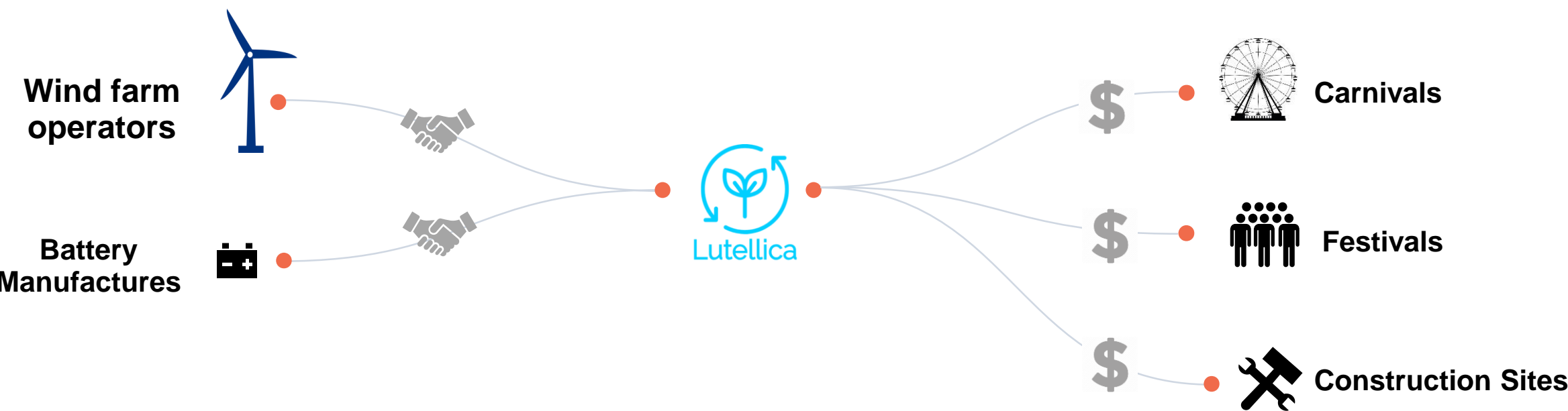
Increasing penetration of renewable energy leads to increased curtailment due to insufficient grid capacity.

# Business Model / Our Service



Lutellica charges its big batteries during the time of wind curtailment and once the batteries are fully charged, they are rented out to festivals, concerts, and carnivals.

# Cash Flow and Partnerships



# Value Proposition



Off Grid Power



Green Energy



30 % Cost Reduction

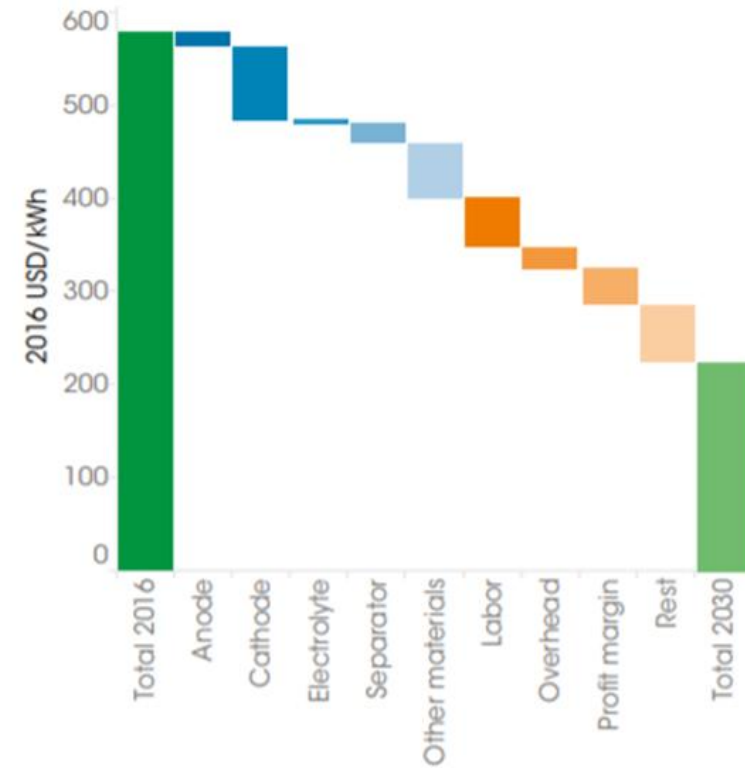
# Lutellica: Why now?

SUPPLY CHAIN

## The Battery Boom Is Coming, as Costs Drop Quickly

Governments from China to California are spurring demand, as is the rise of electric vehicles and solar power.

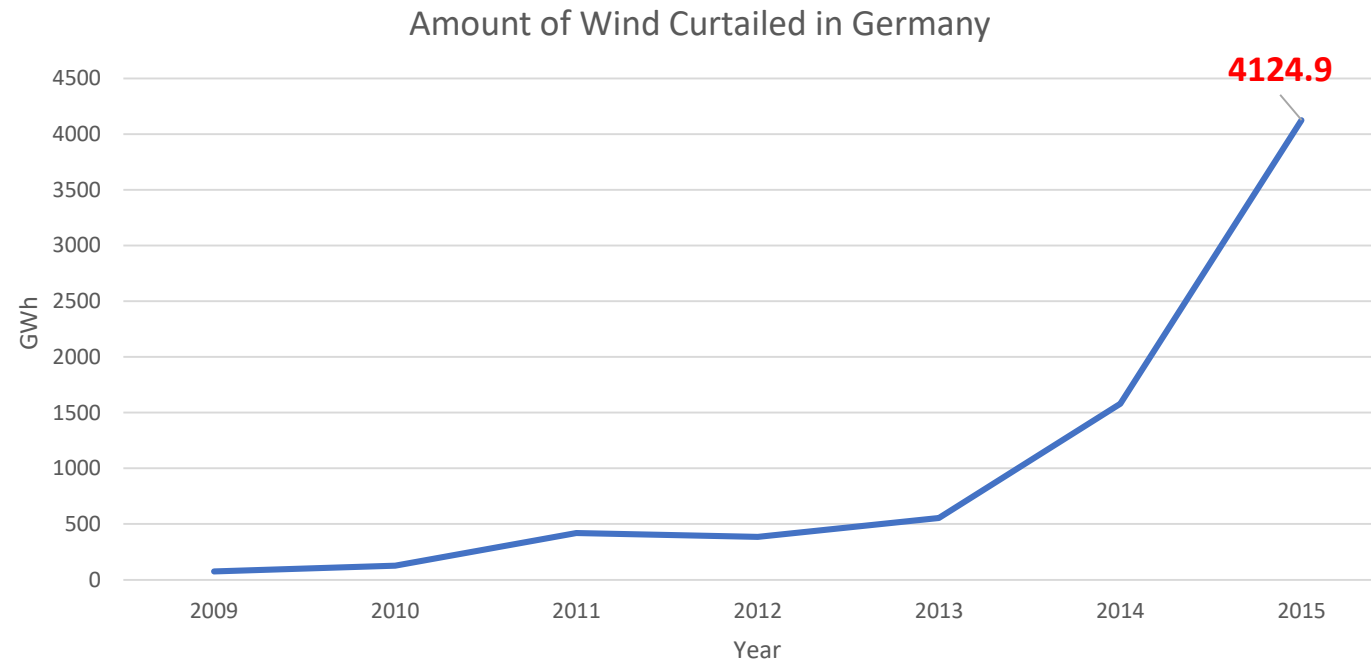
Bloomberg | Nov 15, 2018



Source: International Renewable Energy Agency.

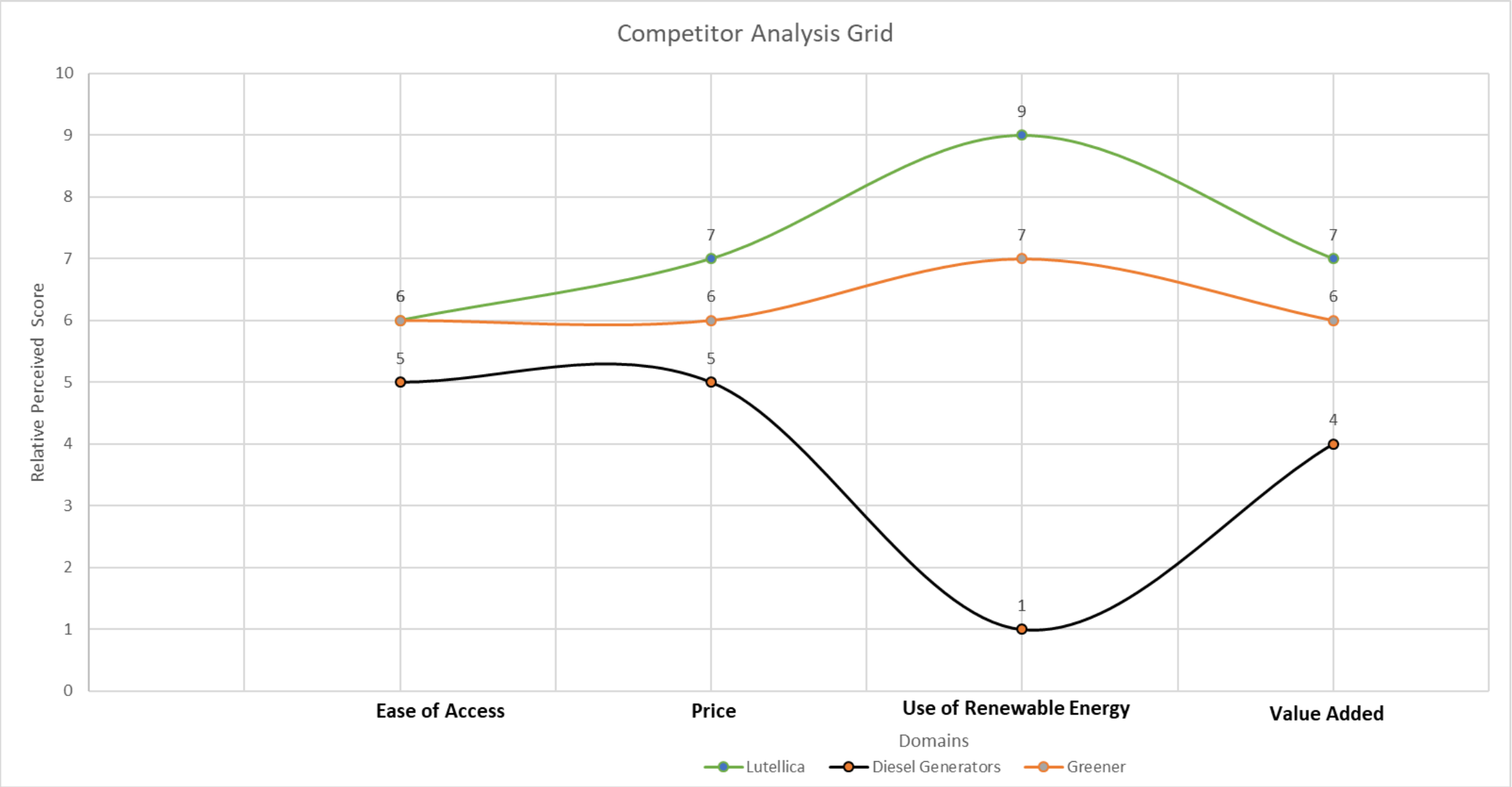


# Lutellica: Why now?



*Source: Bundesnetzagentur Bundeskartellamt, Monitoring report 2016*

# Competitors Analysis



# The Way Ahead – Feasibility & Verification

## Feasibility Study

Research at KTH with Energy & Climate division

## Go to Market

Launch in Germany





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