Teammeating 09.12.2019

Positions:

Chief Executive Officer (CEO):	Moritz
Chief Technology Officer (CTO):	Kai
Chief Operations Officer (COO): (Reserach)	Lennart
Chief Financial Officer (CFO): (Ressorces)	Annabelle
Chief Administrative Officer (CAO):	Christian

Section IV:

Case 1:

– Smart Grids:	Kai
– Power to Gas + Power to Heat:	Christian
– Fuelcell/Hydrogen:	Moritz
– Pumped storage power plant:	Lennart
– Batteries:	Annabelle

Case 2:

– Batteries:	Kai
– Power to Gas + Power to Heat:	Christian
– Fuelcell/Hydrogen:	Moritz
– Pumped storage power plant:	Lennart
– Flywheel energy storage:	Annabelle

Criteria:

- *Cost* (Investment, Maintenace work, operating cost): The cost of a kw/h of saved energy must be lower than the market price.
- *Efficiency*: kw/h lost while transforming and kw/h lost while saving over one year
- *Safety*: failure rate must be lower than x % p.a.
- *Scaling*: only possible for one power plant, for multiple power plants or for all power plants in Germany. Must be able to take X kw of power and must be abler to save X kw/h of energy
- *Feasibility*: Needs to be implemented in the next X years. Is the Technology viable, or is there something better coming in the next years. Is it possible in the geographic area?
- *Sustainability*: Water consumption and C02 emissions needs to be lower than X.