

**NAME:** Energy Grid South  
**DATE:** May 16, 2026 10:14 PM  
**DESCRIPTION OF TECHNOLOGY**  
Een tool om de productie en consumptie te monitoren, simulaties te creëren en de energiemarkt te beheren.



**HUMAN VALUES**  
In deze applicatie wordt de identiteit niet veranderd.



**TRANSPARENCY**  
De technologie maakt schattingen en voorspellingen op basis van het verleden. De gebruiker betaald om stroom te gebruiken. Een deel van dit geld gaat naar het onderhoud en verwerken van de stroom.




**IMPACT ON SOCIETY**  
Er is geen duidelijk inzicht op de energiemarkt in Nederland. Dit is benodigd om de energiebalans op nul te houden.



**STAKEHOLDERS**

- Gertjan
- werknemers van Tennet
- Consumenten
- Netbeheerders




**SUSTAINABILITY**  
De servers die de applicatie laten draaien kosten stroom. Maar aan de andere kant helpt de applicatie met het efficiënter omgaan met stroom.




**HATEFUL AND CRIMINAL ACTORS**  
Er worden gegevens gebruikt van medewerkers. Dit kan gevoelige informatie bevatten. Deze mogen niet op straat worden uitgelekt.



**DATA**  
Ja wij zijn daar bekend mee. Maar deze data is berust op metingen en kunnen daarom gezien worden als erg accuraat.



**FUTURE**  
De applicatie zal in de toekomst alleen nog maar ingewikkelder worden omdat er steeds meer energiebronnen worden bedacht en in gebruik gaan worden.



**PRIVACY**  
Ja, de gebruikersnaam en email adres van een persoon worden gebruikt.



**INCLUSIVITY**  
In de casus wordt onderscheid gemaakt in de groene en grijze stroom. Er wordt een vooroordeel gemaakt wanneer je grijze stroom produceert of consumeert.



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**HUMAN VALUES** 

**How is the identity of the (intended) users affected by the technology?**

To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?...

**TRANSPARENCY** 

**Is it explained to the users/stakeholders how the technology works and how the business model works?**

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their...

**IMPACT ON SOCIETY** 

**What is exactly the problem? Is it really a problem? Are you sure?**

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine...

**STAKEHOLDERS** 

**Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by...**

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.

...

**SUSTAINABILITY** 

**In what way is the direct and indirect energy use of this technology taken into account?**

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

**HATEFUL AND CRIMINAL ACTORS** 

**In which way can the technology be used to break the law or avoid the consequences of breaking the law?**

Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder...)

**DATA** 

**Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...**

There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;...

**FUTURE** 

**What could possibly happen with this technology in the future?**

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

**PRIVACY** 

**Does the technology register personal data? If yes, what personal data?**

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like...

**INCLUSIVITY** 

**Does this technology have a built-in bias?**

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases....

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