




NAME: Energy control ai 

DATE: September 6, 2024 5:47 AM


DESCRIPTION OF TECHNOLOGY
Artificial intelligence to control the green energy that is generated.

HUMAN VALUES 


The people that use the AI might feel like they do not have the freedom of their own power and that they have to do what the AI tells them to do.

TRANSPARENCY 


We can add a guide or a graphical interface to each of our products. That way the person knows what the thought behind the product is aswell as how to use it.

IMPACT ON SOCIETY 


We want to be able to manage green energy consumption and save electricity using an AI.

STAKEHOLDERS 


- The AI users (Home owners, companies)

SUSTAINABILITY 


That is what our project revolves around, the distribution of energy and power.

HATEFUL AND CRIMINAL ACTORS 


intentionally removing a power source from a persons home.

DATA 


Yes, Data breaches are an issue but also the fact that the AI is never 100% accurate because there will always be human interaction that plays a huge role in our system (controlling power).

FUTURE 

We could eventually carry this Ai really far and let it know all about the people that live in the house. But this would not be relevant to the initial idea of our project.

PRIVACY 

If the AI knows when a person turns off lights, the AI could know when this person is not at home. This data can always be stolen.


INCLUSIVITY 

The Ai can definitively have a bias to a single house, the ai eventually knows when lights are turning off / on and whether the people do it themselves or that the Ai has to do that.

FIND US ON www.tict.io

THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON [WWW.TICT.IO](http://www.tict.io)

NAME: Energy control ai 

DATE: September 6, 2024 5:47 AM

DESCRIPTION OF TECHNOLOGY
Artificial intelligence to control the green energy that is generated.

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....

FIND US ON WWW.TICT.IO

THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO