

NAME: Slimme Watermeter 

DATE: March 15, 2026 2:36 AM

DESCRIPTION OF TECHNOLOGY
 Om waterverbruik binnen een huishouden inzichtelijker te maken. Meet dit product het waterverbruik binnen de badkamer. Met de douche in het specifiek. Door middel van een Water Flow Sensor wordt het verbruik tijdens het douchen doorgegeven aan een Smart Hub die in de badkamer geplaatst is. Hier moet voor het douchen met één click ingelogd worden alleen wanneer er ingelogd is word he...

HUMAN VALUES 

TRANSPARENCY 

We zouden de klantenservice willen verbeteren wanneer het product op de markt komt. We beginnen met FAQ en een online chat, wanneer er veel vraag is naar service kunnen we uitbreiden naar een callcenter.

IMPACT ON SOCIETY 

Wij zijn er achter gekomen dat naar verloop van tijd het gedrag van de gebruiker kan veranderen. Dit houdt in dat de gebruiker in de lange termijn verminderde interesse in het product kan ontwikkelen en in het ergste geval kan stoppen met het gebruik van het product. We moeten dus proberen de gebruiker geïnteresseerd te houden in het product voor een verlengde periode.

STAKEHOLDERS 

SUSTAINABILITY 


HATEFUL AND CRIMINAL ACTORS 

Een aantal verbeteringen die wij willen maken zijn:

- Geen ethische data opslaan zoals, ras, afkomst en geloof.
- Geen tijden weergeven en opslaan van de gemaakte douchebeurten.

DATA 

FUTURE 

PRIVACY 

Minder persoonlijke gegevens opslaan, maar in ruil daarvoor wel water gegevens voor onderzoeksdoeleinden bewaren.

INCLUSIVITY 

Wij zijn er achter gekomen dat deze categorie niet helemaal relevant is voor ons product. We hebben hem alsnog beantwoord omdat dit ook interessant kan zijn. Wij zijn er vrij zeker van dat ons product beschikbaar is voor alle soorten consumenten.

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HUMAN VALUES 

Now that you have thought hard about the impact of your technology on human values, what improvements...

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...

TRANSPARENCY 

Now that you have thought hard about the transparency of this technology, what improvements would you like t...

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...

IMPACT ON SOCIETY 

Now that you have thought hard about the impact of this technology on society (by filling out the questions...

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...

STAKEHOLDERS 

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...

SUSTAINABILITY 

Now that you have thought hard about the sustainability of this technology, what improvements would you like t...

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

HATEFUL AND CRIMINAL ACTORS 

Now that you have thought hard about how bad actors can impact this technology, what improvements would...

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

DATA 

Now that you have thought hard about the impact of data on this technology, what improvements would you...

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

FUTURE 

Impact Improvement: Now that you have thought hard about the future impact of the technology, what...

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? ...

PRIVACY 

Now that you have thought hard about privacy and data protection, what improvements would you like to make?...

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

INCLUSIVITY 

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

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