

Autonomous Power Management Risk List

Risk ID	Date Identified	Headline	Description	Type	Impact	Probability	Magnitude	Owner	Mitigation Strategy
1		Deployment of smart meters is delayed	No access to consumption data and predictions	Technical	3	50%	1,5	None	Ignore, system must be able to deal with crude predictions based on standard load profiles
2		Government incentives change	The amount of money handed out to owners of distributed energy generators changes due to new political decisions	Business	5	20%	1,0	Business	Adapt contracts with DER owners/operators accordingly
3		Standards for communication with power infrastructure not finalised in time	Due to delays in the standardisation process, it is not possible to work with the final protocols that connect DERs to the system	Technical	4	60%	2,4	Architect	Use modular design that allows swapping protocol implementations without effect on the backend.
4		Security of communication channels is not ensured	Unauthorised access to smart meters or power generators has to be avoided, personal data must be protected, accounting data must be secure.	Technical	3	30%	0,9	External	Work with external project to ensure security requirements are fully covered.
5		Acceptance of controllable power consumers is low	The external control of house hold items such as washing machines is not accepted by end users	Technical	1	50%	0,5	Business	Ignore, system must be able to deal with crude predictions based on standard load profiles
6		Acceptance of external control for DER operators/owners is low	Operators/owners are reluctant to give up control of their generators	Technical/ Business	4	50%	2,0	Analyst	Contracts have to be included in scheduling to cover requirements posed by DER owners/operators
7		Standard project risks	Developer falls ill, requirement has been overlooked, change in business plans, ...	Resource/ Technical/ Business/S chedule	5	70%	3,5	Project Manager	Calculate reserves, communicate with stakeholders constantly, ...

Interdependencies

Risk 4 (Security of communication channels) has an impact on Risk 5 and Risk 6 (Acceptance)