ENERGY COMPACT SUBMISSION

Energy Compacts have been identified as High Impact Initiative to drive SDG 7 and clean energy goals. The instructions alongside each line item will serve as a guide to support you in this process. All items marked with an asterix (*) are mandatory. Kindly supplement your application with any relevant files. Please note that by submitting an Energy Compact you indicate a willingness to align with the guiding principles and subject to appraisal against them. You can find the Energy Compact guiding principles here: https://www.un.org/sites/un2.un.org/files/ec-expression-of-interest.pdf

Should you require further assistance, please contact us at un-energycompact@un.org with a copy to energycompact@seforall.org.

SECTION 1: GENERAL INFORMATION		PROPONENT NOTES Use this column to add any additional comments
Energy Compact Title	**The Smart City Network (SCNet)**	The project has been introduced to the Innovation Booster Smart Cities in Switzerland. In this competition innovative ideas are applying for funding of CHF 25000. Our proposed solution is an minimum viable solution with very limited features.
Proponent name(s) *	**e-swissolar AG**	More information: https://www.e-swissolar.ch/en
Proponent type *	**Business**	The project joined so far HSLU univercity, peer2panel as a business innovator, VSA is the association of electricity producers and anapaya is a technology provider of the SCION technology.
Primary contact name *	**Vasileios Panagiotidis**	More information: https://www.linkedin.com/in/vasileiospanagiotidis/
Region *	**Europe**	Europe describes the best our regional focus but we have a clear ambition to expand the solution also in developing countries.

SECTION 2: AMBITION		PROPONENT NOTES Use this column to add any additional comments
*Linkages **	7.b	The proposed shared IT-infrastructure has a unique value proposition that enables intergrated communication and collaboration across all levels and entities of the smart collaborative city, by preserving privacy and increase security of transactions. Such a smart and secure infrastructure is crucial for accelerating the energy transition and achieve Net-Zero.
*Target **	By 2027 spin up and run a network and platform for enabling peer to peer innovative sustainable energy services in Switzerland and at one developing country giving access to up to 210000 end-users to access the network.	Our target is to transform the digital culture of the smart city and smart communities by creating a digital environment that is fostering digital collaboration and is cultivating a mindset of sharing. The main target is to run a first pilot on a developed country (Switzerland) and then expand to developing countries. We are starting with the creation of a minumum viable network (MVP) and platform, we upgrade and expand the network and set it up in a developing country.

SECTION 3: ACTIONS & OUTCOMES TO ACHIEVE TARGETS		PROPONENT NOTES Use this column to add any additional comments
*Relevant target **	By 2027 spin up and run a network and platform for enabling peer to peer innovative sustainable energy services in Switzerland and at one developing country giving access to up to 210000 end-users to access the network.	
*Action(s) & Outcome(s) **	We test the network with key few features by running three (3) selected simple use-cases of sustainable energy services of project partners with pilot end-users. These uses-cases are related to how to transfer value, assign to and transfer owenrship to a digital asset.	Spin up the MVP and platform. The network should be enable to provide access to 10000 end-users. 7 nodes will build the backbone of the network. Each member runs a node and is co-owner of the network. This is a shared Infrastructure.
*Due dates **	12.2024	
*Financial commitment **	100000 USD	Estimate only for 2024. Based on the proposed business model, licenses for running a node will cover operetional & maintenance costs inkluding updates and upgrades of the network.
Relevant target	By 2027 spin up and run a network and platform for enabling peer to peer innovative sustainable energy services in Switzerland and at one developing country giving access to up to 210000 end-users to access the network.	
Action (s) & Outcome (s)	Expand the network infrastructure, upgrade technology and add additional features for supplying modern and sustainable energy services in the context of a smart-city in Switzerland. Run one (1) more complex energy services of project partners on a real condition environment. These use-cases are related to the concept of the digital energy communities.	The upgraded network should be able to give access to up to 100 000 end-users. Switzerland is an excellent location for introducing the solution.
Due dates	12.2025	
Financial commitment	300000 USD	Estimated for 2025 (over and above the previously stated estimate for 2024) Based on the proposed business model, licenses for running a node will cover operetional & maintenance costs inkluding updates and upgrades of the network.
Relevant target	By 2027 spin up and run a network and platform for enabling peer to peer innovative sustainable energy services in Switzerland and at one developing country giving access to up to 210000 end-users to access the network.	
Action (s) & Outcome (s)	Set up a dedicated local network run by strategic stakeholders on a developing country. Three (3) use-case based on local needs will be introduced.	Implement the infrastructure for supplying modern and sustainable energy services on a developing country. The network should be able to provide access to at least 100 000 end-users. This two years project phase is crusial for scaling up the solution for both developed and developing countries.
Due dates	12.2027	
Financial commitment	1000000 USD	Estimated for 2026-2027 (over and above the previously stated estimate for 2024-2025)