

Smart Cities Accelerator, Open Innovation Call

Exploring power peak shaving as an enabler for future resilient neighbourhoods

Q&As from webinar:

Q: Will information on the heat (and maybe cooling) demand of the Sege Park buildings be available?

A: There will be no cooling in Sege Park due to no commercial buildings will be built – only residential, mobility house and schools. The heat will be distributed with district heating. The heat demand in the area is ~ 6 GWh.

Q: How would the winner be chosen among the 5 finalists? What are the criteria?

A: Both the finalists and the final winner will be chosen by the organizers and a professional jury by how the submissions apply to the overall criteria for the call. These are to be found in the [competition manual](#) from the call's [website](#).

Q: How do you as problem owners look at the flexibility potential for the dwellings in the area?

A: The theoretical personal and device dependent flexibility potential is shown in figure 5. At peak hours, 19-22, the flexibility potential for personal dependent loads are approximately 500 W/dwelling resulting in 0,578 MW totally in Sege Park for each peak hour and 2,31 MWh/day counting the 4 peak hours. With similar reasoning the device dependent flexibility potential equals approximately 125 W/dwelling resulting in 0,144 MW totally in Sege Park for each peak hour and 0,578 MWh/day counting the 4 peak hours. The energy savings might seem low but since we in this Open Innovation Call are exploring power peak shaving, that is also the main priority in the solutions we are looking for.

Q: What are we supposed to submit? Scope, objectives...?

A: It is all up to you what you want to submit, as long as you provide us with information in the mandatory spaces in the [submission form](#). As we are looking for all kinds of ideas and solutions; a technical, digital or behavioural change tool or product, a business model, a vision/design/concept, – the format is up to you.

Q: What is the peak power demand of Sege Park?

A: An estimation is 2-2,5 MW

Q: Does the 1-1.5 MW also cover power demand for heating (e.g. heat pumps)?

A: *2-2,5 MW in peak power demand. There will most likely be no heat pumps in the area due to that district heating will be the main heat supplier.

Q: In figure 6 in the competition manual, it is shown that we should minimize the fossil-based area from cold seasons and maximize the fossil-free area. Do you mean shifting energy consumption from cold season and shifting it to the warm season?

A: No. This figure is to illustrate the minimization of fossil-based fuel if power peaks are cut. When there are power peaks it is more likely that the power is produced by fossil-based fuel.

Q: Are you interested in solutions that have been piloted elsewhere or only something completely new?

A: We welcome all ideas or solutions.

Q: would you prefer to see collaborative applications?

A: Yes, indeed!

Q: Should the proposed solution be focused on Sege Park or a more general solutions welcome?

A: They should focus on Sege Park, but as many cities have the same challenges and structures as Malmö, replicability is a criterion in the evaluation of the applications as stated in the competition manual.

Q: How do you rank competitors?

A: The submissions are being evaluated as stated in the competition manual using the listed criteria based on the overall aim of the open innovation call.

Q: Can we submit a solution which aims at changing peoples' behaviour rather than "invent" a real product?

A: We very much welcome that.

Q: Question on the submission format: is it possible to fill the format and save it temporarily before we submit a final one?

A: No, unfortunately it can't be saved temporarily. It is advisable to make the application in a Word-file (or the like) and copy each space into the submission form, especially when it comes to answers with a limit of characters (see submission form for details).

Q: Do you prefer focused solutions that solve only one specific problem or broader solutions oriented to solve several dimensions of the problem?

A: Anything goes.

Q: Is there a file size limit for submitting attachments? Can links to websites be submitted?

A: Yes, check the submission form for the relevant questions.

Q: What is the Open Innovation Day about and when and where is it?

A: The Open Innovation Day is the final event for the call. The finalist will get the opportunity to pitch their ideas for an expert jury and the audience and work in a co-creative process to further develop their ideas. The Open Innovation Day will take place in Malmö, Sweden, 5 December 2019.

Q: Do I need to go to Sweden to participate in the competition?

A: All our events, interviews and consultancy will be offered online in English. You will only need to go to Sweden for the Open Innovation Day, if selected for this. Expenses for travelling and accommodation will be reimbursed for up to two persons per finalist team.