Meet the Buyer event

20th November 2019, 10-11 o'clock
Nordic Pavilion, Smart City Expo, Barcelona

The buyers consist of:

- The City of Frederiksberg, Denmark, Environmental Department
- Frederiksberg Forsyning, Denmark, Local Utility company

How can the city of Frederiksberg keep cool and minimize the negative consequences of heat islands, and document the effects of the efforts documented before, during and after.

The Meet the Buyer event offers **interesting opportunities for your company** to get in touch with the leading enterprises in a variety of business sectors. The event is **invite only** and will give you the chance to have an individual **one-to-one meeting** with **key decision makers**. Join the event, establish valuable collaborations, pitch your products and services, and discuss business partnerships that can fast-forward your company's growth.

Buyer profile

Frederiksberg is driving the creation of bespoke stormwater management projects that fit within the existing structure of the bustling city. Besides implementing an array of stormwater management programs in synergy with construction projects and natural infrastructure, Frederiksberg also has focus on the heat island issue. Recently a public square was modernized to make the area resilient to storm water. To manage the stormwater system the place was equipped with sensors connected to a wireless infrastructure. The square now serves as a testing ground for e.g. evaporation, water balance and temperature. The project is a collaboration between Frederiksberg Utility and the city municipality.
In addition, there is a great deal of focus on the future's heat and cooling needs in connection with climate change and in connection with future changes in the city.

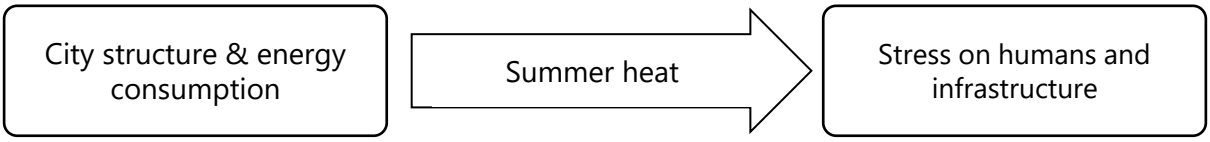
What are they looking for?

The City of Frederiksberg, Denmark, is looking for new and innovative ideas, technologies, and approaches to monitoring and reducing the negative impacts of the heat island effect.

Due to climate change, summers in cities are hotter and longer than before. Combined with large paved areas and continuous building blocks along streets ("street canyons"), air is heated up, but has difficulty to escape, since it is trapped between the buildings. Depending on a city's layout, certain locations become significantly warmer than neighbouring areas, thus creating heat islands. The warm air puts stress on human beings and the built environment alike, with health problems, high energy demand for cooling (e.g. air-conditioning) and defective infrastructure as common consequences.

The capital region of Denmark has the last couple of summers experienced long, hot and dry periods with temperatures exceeding 25 degrees Celsius and the expectation is that more long and hot summers will follow, thus emphasizing the need cooling down the city and its users.

The proposed solutions should be able to document the effects of heat islands before, under or after from a mitigation og adaption perspective and can potentially be integrated into future stormwater management projects.
In addition, a monitoring solution that, in addition to documenting the Heat island effect in summer, can be used in optimizing district heating operations for individual buildings or areas in winter.



ASSUMPTIONS

1. The build-up of warm air in cities is directly related to the city's physical structure.

2. There are two broad approaches to combating heat islands: either through alterations to the current situation or by applying preventive measures to avoid heat islands altogether.
3. It is technically possible and feasible to combat heat islands and keep cities cool, while the broader circumstance of hot and long summers stays the same.
4. The costs of solving the problem will weigh up against the costs of doing nothing.
5. It is desirable and possible to use the municipality's planned climate adaptation projects to also combat heat islands by e.g. the collection of rain water as a cooling agent.
6. Citizens and private companies are assumed to be able to play an active role in carrying out proposed solutions or actions.
7. Monitoring of the city's heat effects are relevant before, during and after the applied solution.

How can you apply?

If you are interested in this opportunity, please contact Maria Skotte by sending an email to mas@cleancluster.dk and briefly indicate the interest of your company in the Buyer's case. You can also contact your regional SCALE-UP partner.

SCALE-UP PARTNERS

This Meet the Buyer event is an exclusive invitation for companies associated with the partner organisations in the North Sea region. Cleantech member organisations have joined forces in the Interreg SCALE-UP project to enable cross-border business contacts between SMEs with green solutions and established large companies. The overall aim is to facilitate for innovative cleantech companies to scale up your start-up. Consultants at the member organisations help participants prepare the meetings and support them through the business process.

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