Interreg
Öresund-Kattegat-Skagerrak
European Regional Development Fund
EUROPEAN UNION

Smart Cities Accelerator

Open Innovation Call:
Optimising public buildings using internet of things and indoor climate systems

Open Innovation Day: 18 May 2018
Venue: Høje-Taastrup City Hall, Taastrup, Denmark

Smart Cities Accelerator

eit Climate-KIC
Climate-KIC is supported by the EIT, a body of the European Union

Aim of the Open Innovation Call

In Denmark, 90% of the primary schools struggle with poor indoor climate conditions, including low thermal comfort levels and low air quality. Facing this situation, the open innovation call aims to find new and viable technological solutions which involve the monitoring of classrooms and the automation of HVAC-systems. The solutions, sensors and actuators, should attend to:

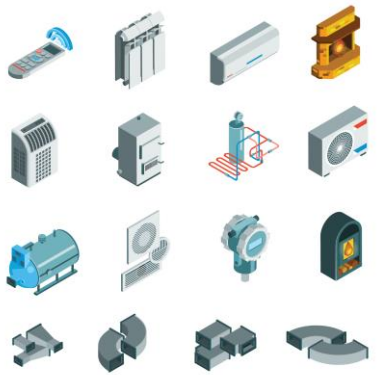
- Connectivity (open source standards are required)
- Installation costs
- Running costs
- Durability

Outcomes of the Open Innovation Call 1/2

The organizers received five solutions to the challenge. “All of them of high quality”, says Davide Cali, postdoc at the Technical University of Denmark and part of the organizing team. “The quality was quite good, and we are quite satisfied with the winner. The winner is a very innovative company, so we are actually cooperating a lot with them and we also have a new project that we want to run together,” he says.

From an organizational perspective, the open innovation challenge gave impetus to the work of raising awareness of the indoor air climate and how it can be addressed within the municipality.

“We had multiple objectives. We were looking for sensors but, at the same time, we were also interested in finding out what other people were doing and maybe have some input from some of the companies that came in. Lastly, it was also about communication. By having this open innovation competition, we found a way to connect with the politicians and different stakeholders in the municipality,” says Morten Koed Rasmussen, Climate Consultant, Høje-Taastrup Municipality.



Outcomes of the Open Innovation Call 2/2

The winning proposals came from NorthQ, a company that specializes in creating energy- and building-management systems that integrate data from a range of sensors in a single online platform. The company was already involved in the Smart Cities Accelerator project, which the open innovation challenge was part of.

The competition participants NorthQ (the winner) and SmartVent are now cooperating. They are also exploring opportunities for working with the Finnish EIT Climate-KIC partner Fourdeg.

Participants Develco and Leapcraft would like to further develop and be involved in future Smart Cities Accelerator activities.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Forbedring af indeklima belønnet

Organizing partners

- Smart Cities Accelerator
- Høje-Taastrup Municipality
- Technical University of Denmark
- EIT Climate-KIC
- Link to call website

Jury

- **Lars Christensen,** Høje-Taastrup Municipality
- **Peder Bacher,** Associate Professor, Department of Applied Mathematics and Computer Science, Technical University of Denmark
- **Birger Hauge,** Chief Innovation Officer, Zibra Group/ inQvation

Finalists

- NorthQ (winner)
- SmartVent
- Leapcraft
- Develco
- Just Measure
- TEGnology
- IC-Meter


See video
from Open
Innovation Day

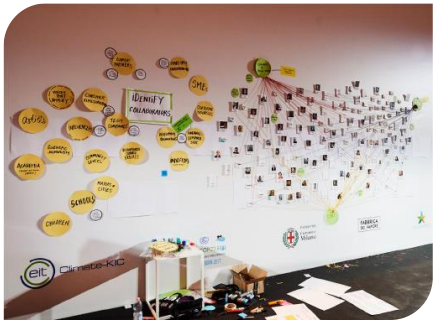
Pictures from Open Innovation Day

Open Innovation

Do you want to know more about Open Innovation?

Check out the white paper with many cases:

Opening-up the Sustainable City –
Towards an Open Innovation Framework for Future Low Carbon Cities



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https://smartcitiesaccelerator.eu/ | www.climate-kic.org

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