

# Mission Innovation Energy Hack // DTU Skylab

## Competitive sprint workshop – Smart Grid Solutions

September 29th 2019

**As part of the Mission Innovation work package two – Dissemination and stakeholder engagement, EIT Climate-KIC delivered task 2.3 Dissemination through a Smart Energy Hack**

The objective of this work package is to disseminate results from the MI IC#1 workshops to Danish stakeholders. A strong Danish presence in the IC#1 will secure representation of Danish interests in the international energy arena. In order to secure maximum dissemination reach of the hack, Climate-KIC partnered up with DTU Skylab and the Next Generation Cities Challenge Supported by C40 and Danida. Though this collaboration the task 2.3 became a series of events related to the C40 Mayors Summit in Copenhagen between 9 and 12 October 2019.

The first event was a one day was the Hack itself: “Competitive sprint workshop – Smart Grid Solutions” held at DTU Skylab on 29 September 2019. The students worked on Smart Grid related challenges for Nairobi and Durban. The hack resulted in 3 winning groups. Each winning group won a 10.000 DKK prize along with the chance to pitch in front of an international jury at the Next Generation City Challenge.

The students were coached by Diana Lundgren, Innovation Officer at the Office for Innovation and Sector Services of the Technical University of Denmark, Peter Bach Andersen, Senior Researcher at the Department of Electrical Engineering of the Technical University of Denmark and Jacob Østergaard, Professor and Head of Center at the Department of Electrical Engineering of the Technical University of Denmark.



The second event was the Tech Bazar reception kicking off the program of the Next Generation City Challenge program at the C40 Mayors Summit. The reception was hosted at DTU Skylab with support from a series of partners. The event convened high level speakers such as Rasmus Prehn, Minister for Development Cooperation of Denmark, Mark Watts, Executive Director of C40, Ian de Cruz, Global Director at Partnering for Green Growth and Global Goals 2030 at P4G and Yvonne Aki-Sawyers, Mayor of Freetown, Sierra Leone.

The winners of the Mission Innovation Hack “Competitive sprint workshop – Smart Grid Solutions” pitched together with the 15 other groups in front of a jury consisting of:

- Gifti Nadi, Deputy Regional Director of Africa, C40
- Dr. Magash Naidoo, Senior Manager (Acting) Energy Office, eThekweni Municipality, South Africa
- Mikkel Trym, Head of Entrepreneurship, EIT Climate-KIC Nordic
- Carlos M. Lima Azevedo, Assistant Professor, DTU Management (Mobility research)
- Theis Bo Rasmussen, Postdoc, DTU Electrical Engineering (energy efficiency in buildings)
- Ian de Cruz, Global Director at Partnering for Green Growth and Global Goals 2030 (P4G)

Between the 18 pitches, 3 groups won the opportunity to pitch their solutions to VIP participants of the C40 Mayors Summit at the Tivoli Congress Center. Among the three winners were one of the Mission Innovation Hack student groups, Group 1 working on smart grid solutions for Energy efficiency in buildings in Nairobi.



The Third event was the pitch in front of the to VIP participants at the Tivoli Congress Center.



### **Planning of the “Competitive sprint workshop – Smart Grid Solutions”**

The primary aim was to find three groups of three students who would be able to participate in the events around the C40 summit as part of a Danish youth delegation participating with other youth delegations from all over the world.

Recruitment efforts for the workshop was expected to yield 30 participants for the workshop. Most efforts, however, proved largely unfruitful. Despite great last-minute efforts from close network no more than 9 participants showed up for the workshop. This resulted in a redesign of the workshop and a complete change of focus for the hack. Groups were formed from the morning and the three groups could now spend the entire day diving into the materials and deepening their knowledge about the solutions. Consequently, the jury ended up taking more of a mentoring role, providing key insights and suggestions for improvement instead of deliberating about who was to win the competition. Preferably we would have had 3 times as many participants, but we managed to make a great day for the participants present and provided the summit with three qualified groups and pitches.

### **Associated Documents**

Description of additional deliverable documents

- 1 Supporting slides for workshop presentation
- 2 Attendee list
- 3 Invitation
- 4 Workshop notes Workshop plan and notes incl. notes on who I contacted during recruitment

Efforts  
5 Prize diploma

**Communications:**

www

<https://nordic.climate-kic.org/news/hacking-the-way-to-smart-energy-solutions/>

[http://nextgenerationcityaction.com/?fbclid=IwAR1JD51TtoYWWAI3n1Awdk05SDOTJt-rXyo7rv\\_izx2Sq3RERJEiWfqbpno](http://nextgenerationcityaction.com/?fbclid=IwAR1JD51TtoYWWAI3n1Awdk05SDOTJt-rXyo7rv_izx2Sq3RERJEiWfqbpno)

[https://www.climate-kic.org/events/c40-world-mayors-summit-2019/?fbclid=IwAR0PQJ2bk\\_P10uzLmg7y35-Lx4mEP2A63JGwd7o3XwnTK13cJixiD9-7Q4o](https://www.climate-kic.org/events/c40-world-mayors-summit-2019/?fbclid=IwAR0PQJ2bk_P10uzLmg7y35-Lx4mEP2A63JGwd7o3XwnTK13cJixiD9-7Q4o)

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<https://twitter.com/DTUSkyLab/status/1196813730060869633>

<https://twitter.com/DTUSkyLab/status/1190252911412043781>

<https://twitter.com/c40cities/status/1182713759846064128>

<https://twitter.com/CKICNordic/status/1182021189381832705>

<https://twitter.com/MarkWatts40/status/1181635628586475521>

<https://twitter.com/linegry/status/1181652606067847173>

<https://twitter.com/CKICNordic/status/1181622123485372416>

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