

MINUTES OF MEETING

TITLE READY General Assembly 2016
DATE 7th December 2016
PLACE COWI, Parallelvej 2, 2800 Kgs. Lyngby, Denmark
PARTICIPANTS See signatures
PREPARED BY Maja Grud Minzari, December 2016
DISTRIBUTION All
PROJECT NO A064318

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Agenda

Time	Activity	Person
10:00	Registration and coffee	
10:15	Welcome	Reto M. Hummelshøj, COWI
10:30	Project status: WP1 + WP9 General information, amendment work etc.	Reto M. Hummelshøj, COWI
10:45	WP2 - Project status by WP leader	Stefan Olsson, ESS
11:00	WP3 - Project status by WP leader	Steffen Petersen, UNI-DK
11:15	WP4 - Project status by WP leader	Erik Ladefoged, COWI
11:30	WP5 - Project status by WP leader	MUN-DK/AVA-DK
11:45	WP6 - Project status by WP leader	Jan Johansson, Växjö Municipality
12:00	Lunch	(Group picture)
13:00	WP7 - Project status by WP leader	AIT
13:15	WP8 - Project status by WP leader Communication issues "Project business card" Advanced training programme New project website	LGI Kirsten Dyhr-Mikkelsen Johanna Walin Stefan Olsson Maja Grud Minzari
14:00	Presentation of D.4.4.1 on Integrated Power Hub Solutions	Ivan Kristian Pedersen, DONG Energy
14:30	Break	
15:00	Presentation of D.4.3.1 on Intelligent charging of electrical vehicles	Torben Fog, E.On
15:20	Presentation of D.4.2.1 on Benefits of application of batteries	Rasmus Mosbæk, Lithium Balance
15:40	Presentation of D.3.4.1 on District cooling in Växjö	Sofie Nielsen, VEAB
16:00	ECO-Life and green transition in Høje-Taastrup - "The movie"	Maja Grud Minzari, COWI
16:20	Open discussions	
17:00	End of day	
18:00	Informal dinner	

Minutes of meeting

[Link to the presentations from the meeting.](#)

Welcome

- › Reto M. Hummelshøj welcomed all participants in the room and on Skype where five were present from Berlin, Austria, Paris and Aarhus. Reto passed best wishes and regards from Torben Hermansen (Senior Vice President and chair of executive committee) who was not able to attend this meeting.

- › The purpose of the meeting is to get a common view of the project, discuss general issues, discuss how to improve progress and celebrate 2 years of successful work.
- › Meeting announcement and distribution of agenda according to consortium agreement has been followed.
- › Minutes prepared by Reto M. Hummelshøj and Maja Grud Minzari
- › List of participants was signed.

Project status per work package

WP1/WP9 – See the presentation for more information

- › Knowledge exchange are on track and final workshop is planned to spring 2017 in Paris. It was suggested to invite our EU-officer to this meeting.
- › 15 month periodical report was accepted and payment to partners are done except for a few where some formalities are missing.
- › The planned amendment procedure can be opened now, but are still dependent of delayed deliverables.
- › A short description of the main issues for the amendment was presented including formalities of the amendment documents.

WP2 – See the presentation for more information

- › Aarhus: The project in district 20 – Trigeparken is delayed due to a very long process with municipal and governmental approval of application for refurbishment. Detailed design process is expected from January 2017- June 2017 and construction from September 2017-September 2018. Lithium Balance prefers to start with block 12 where the PVT and battery pack will be installed and according to RInggaarden, this shouldn't be a problem.
- › Aarhus: The activities with district 21 – Hasle Skejby are progressing and seems to keep up on the time schedule which now are parallel with district 21.
- › Aarhus: 1 of 64 single family houses have completed a deep energy renovation.
- › Växjö: First phase of refurbishment finalised with 90 apartments and monitoring looks good. Second phase in good progress.
- › Växjö: There was held a "Waste water heat recovery & PVT design meeting" with local actors in Växjö 15 November 2016 as an introduction for coming design phase for the "special house".
- › Barrier to overcome: Växjö City Hall will has been sold and a replacement building has to be found – a candidate is now in place through CA Fastigheter.

WP3 – Presentation on Skype

- › Deliverables in progress. Some postponed, as discussed before, and more deliverables with long due time. The delay is caused by the delay of other deliverables, and the time schedule for UNI-DK deliverables needs to be adjusted in the amendment.

- › The three PhD's have produced several papers and participated at conferences. Magnus Dahl received a prize for the best presentation at 2nd International Conference on Smart Energy Systems and 4th Generation District Heating in November 2016.
- › Four deliverables finished in 2016 and four are still pending (D.3.1.2, D.3.3.2, D.3.4.2, D.3.5.2).

WP4 – No presentation. Status by Erik Ladefoged on Skype

- › District 20: Choice of battery pack. Project awaits approval from municipality in order to install batteries.
- › District 21: Calculation of energy performance has been conducted. Calculations show that it is not feasible to use batteries in this district.
- › DONG will have a reduced role Lithium Balance will take over instead with BMS system that will have the function included in the power hub.
- › D.4.5.1 was due in M18 and needs to be postponed in the amendment.

WP 5 – See the presentation for more information

- › Major achievement: To get the READY project implemented in the organization of the municipality (AffaldVarmeAarhus). A new employee, Jens Kæmsgaard Pagh Schmidt, will make the READY-team at AVA complete.
- › The area with single-family houses is now to be addressed. One deep renovation of a house is complete.
- › A test area with single-family houses has been identified and low temperature district heating will be rolled out here in two variations. One with gradually reduction of temperature and one with instant reduction.
- › Status of PhD Magnus Dahl. Work is in good progress.
- › Heat pump with sluce ice on the way in the harbour area – approval by municipality was obtained and installation expected in 2017.
- › First deliverable in M40. Focus on milestones, which is before this.

WP 6 – See the presentation for more information

- › Task 6.1: 90 + 36 = 126 apartments out of 196 (313) refurbished in Alabastern.
- › Task 6.2: Office building identified, definition of requirements are under preparation.
- › Task 6.3: Instead of ORC (original company bankrupt), other solutions for combination of cooling/heating or cooling of refrigerated storages with heat driven cooling machines are being investigated
- › Task 6.4: Increase the efficiency and output of the absorption machines by installing a new cooling tower.
- › Task 6.4: Building for computer server centre now in Växjö. Installations indoor finished.
- › Task 6.5: First software development finished, portal created. Supplier for sensors is identified. Planned workshop.

- › Task 6.6: Contacts with Kaunas will be strengthened.
- › Task 6.7: Skype meeting with E.ON planned.
- › Presentation also included the suggested project changes for the amendment.
- › D.6.3 Report on energy performance of the project in close collaboration with WP7 is due.

WP 7 – See the presentation for more information

- › Major achievement: D.7.1 City strategies and related performance indicators including future demand and supply scenarios as well as D.7.2 Existing operational monitoring and data processing plans for the demonstration projects and common monitoring procedure is completed.
- › Next step is preparation of D.7.3, however this is not due before M55.
- › Monitoring was discussed at the workshop in Växjö in September 2016.

WP8 – See the presentation for more information

- › Camille Auriault presented status of WP8 and dissemination results in 2016.
- › The READY Hub experienced a difficult start up, as there is very little activity. Please put a post every time a deliverable is finished. This topic was also discussed on the bilateral meeting 8th December 2016.
- › We should think of using webinars as communication channel.
- › Kirsten Dyhr-Mikkelsen presented a list of upcoming events for which the consortium should think of being present or disseminate project results. For instance, Aarhus is European Capital of Culture in 2017 and the sustainability fair "Building Green" is present in Aarhus on 29.-30th March 2017.
- › Johanna Wallin presented the READY "business card" and showed an example of a short movie from Copenhagen Municipality as inspiration for a short movie that can present READY in a nice and condense way.
- › Stefan Olsson presented some ideas on the Advanced Training Programme. Topic further discussed on the bilateral meeting 8th December 2016.
- › Maja Grud Minzari presented the new design of the READY-website. The participants gave input to the design and suggestions for further improvements. This topic was also discussed at the bilateral meeting 8th December 2016.

Presentation of D.4.4.1 on Integrated Power Hub Solutions – see presentation for more information

Reto M. Hummelshøj presented a few slides on behalf of Ivan Kristian Pedersen who cancelled his participation in the meeting

Presentation of D.4.3.1 on Intelligent charging of electrical vehicles - see presentation for more information

Torben Fog from E.On presented E.On, and the work that they performed.

Presentation of D.4.2.1 on Benefits of application of batteries – see presentation for more information

Rasmus Mosbæk presented his deliverable on the topic.

Presentation of D.3.4.1 on District cooling in Växjö. – see presentation for more information

Sofie Nielsen presented her deliverable on the topic.

ECO-Life and green transition in Høje-Taastrup – "The Movie"

Maja Grud Minzari showed a 16 min. video from the EU-project called ECO-Life with experiences and inspiration. The link is available on the READY website and here:

<https://www.youtube.com/watch?v=y3XJgGb187I&feature=youtu.be>

Open discussion

- › No topics for discussion were sent prior for the meeting.
- › No topics for general discussion were brought up during the meeting.

Meeting closed at 17.00.

Appendix – Participant list



READY - Participants at the General Assembly

7th. December 2016 - Lyngby, Denmark

Name	Organisation	Signature
Jan Johansson	Växjö Municipality	
Marek Brand	Danfoss	SKYPE
Holger Lunde Jørgensen	Boligforeningen Ringgaarden	
Palle Jørgensen	Boligforeningen Ringgaarden	
Lars Barkler	Lithium Balance	
Rasmus Mosbæk	Lithium Balance	
Max Blöchle	AIT	
Stefan Olsson	Energikontor Sydöst	
Nina Detlefsen	Dansk Fjernvarme	
Yakov Safir	Racell Sapphire Technologies	
Jesper Høegh	Racell Sapphire Technologies	
Kirsten Dyhr-Mikkelsen	ea-Energy Analyses AVA	
Steffen Petersen	Aarhus Universitet	SKYPE
Ole Porsvig	COWI	
Soraya Molinero Perez	LGI (Skype)	Skype
Camille Auriault	LGI	
Pardo-Garcia Nicolas	AIT	Skype
Erik Ladefoged	COWI	==
Reto Hummelshøj	COWI	
Maja Grud Minzari	COWI	
Sofie Nielsen	VEAB A/S	
Johanna Wallin	Energikontor Sydöst	
Mette Marie Knudsen	E.on	
Torben Fog	E.on	
Peter Harling Lykke	Aarhus Universitet	
Thomas Schrøder Daugbjerg	Kamstrup	Thomas Daugbjerg