

Høje-Taastrup Kommune
invites to the conference

PROGRAMME

29–30
OCTOBER 2015
KICK STARTING
GREEN
TRANSITION
IN EUROPEAN
CITIES

Visions, tools, results, and funding



PROGRAMME



Høje-Taastrup Municipality invites you to participate in a two-day conference on the challenges European cities face on their way to a green transition.

The conference targets employees in civic management who work as advisers in the fields of energy, climate, environmental issues, engineers, architects, and everyone with an interest in climate policies and green transition processes.

Høje-Taastrup Municipality has participated in two extensive demonstration and development projects in the area of energy efficiency and ener-

gy supply supported by the EU and the Danish Energy Agency. At the conference, the municipality and the other participants of the projects will present results and experiences from the past seven year's climate initiatives.

The event takes places over two days that cover a conference and field trips to actual projects in the municipality.

Thursday's conference is in Danish with the possibility of translation into English for foreign guests. Friday's programme is in English.



PARTICIPATION:

It is possible to sign up for the conference (day 1) and/or the field trip (day 2). Both are free of charge. The conference dinner on Thursday night costs 250 kr. pr. person. All sign-ups are binding. Cancellations should be made no later than Friday the 23rd October.

SIGN-UP:

on www.htk.dk/konference, no later than 23rd October.



TRANSPORTATION:

It is a two-minute bus ride from Høje Taastrup station to The Institute of Technology. The bus runs every 10 minutes.

Link to driving directions on the Institute of Technology's website:

www.teknologisk.dk/vejviser



HOTEL:

For accommodation we recommend Taastrup Park Hotel (tphotel.dk). A preliminary reservation has been made under the name of ECO-life, which you must refer to as you make a reservation.

Price for a single room: 895 kr incl. breakfast, wifi, coffee and parking.



PROGRAMME > CONFERENCE

Thursday 29th October 2015 at 8.30 until 16:15



Institute of Technology, Auditoriet, building 1,
Gregersensvej, 2630 Taastrup

08.30 REGISTRATION AND LIGHT
BREAKFAST WITH COFFEE

09.00 INTRODUCTION TO
THE PROGRAMME

*Jesper Tornbjerg, editor-in-chief,
Dansk Energi*

Today's mediator, Jesper Tornbjerg, is the editor-in-chief of the magazine Dansk Energi and has a highly qualified insight into both challenges and solutions in the area of climate and energy.

09.05 WELCOME: WHEN GREEN
TRANSITION AND 6.500 NEW
JOBS GO HAND IN HAND

*Michael Ziegler, Mayor,
Høje-Taastrup Municipality*

09.15 GLOBALLY: GREEN TRANSITION IN
AN INTERNATIONAL PERSPECTIVE

*Christian Ibsen, Managing Director of
Denmark's Green Think Tank, CONCITO*

In November, world leaders will once more commence negotiations at the climate summit, COP21, in Paris. What awaits them, which results can we expect – and what level of ambitions should the Danish municipalities be aiming for?

09.40 NATIONALLY: STRATEGIC ENERGY
PLANNING IN DENMARK

Anders Kofoed-Wiuff, Ea Energianalyse A/S

How will the Danish energy system look in 2050? What future scenarios are the most economically sustainable? Which technologies will bring Denmark into a future devoid of fossil fuels and how can the municipalities contribute to a positive development?

10.10 QUESTIONS

10.20 COFFEE BREAK WITH FRUIT AND CAKE

10.40 LOCALLY: GREEN TRANSITION IN THE
MUNICIPALITY OF HØJE-TAASTRUP

*Lars Christensen, Centre Director,
Centre for Technology and Environment,
Høje-Taastrup Municipality*

The municipality of Høje-Taastrup has recently agreed on the Strategic Energy and Climate Plan for 2020. How do we translate the vision into concrete initiatives and what are the greatest challenges?

11.15 CASE: ENERGY EFFICIENCY IN MUNI-
CIPAL BUILDINGS AND SINGLE-FAMILY
HOUSES

*Steen Olesen, Climate Adviser,
Høje-Taastrup Municipality*

One of the cornerstones of municipal work on green transition is energy efficiency improvement of both municipal buildings as well as private houses.



Learn about the great amount of work that has gone into the municipality's CO2 reduction, how they worked successfully with civic involvement in the process, and which tools were effectively used. What worked – and what did not work?

11.45 **QUESTIONS**

12.00 **LUNCH**

12.45 **CASE: ENERGY RENOVATION OF SOCIAL HOUSING**

Lars Køhler, arkitekt MAA & partner, Bjerg Arkitektur

Gain an insight into providing sustainable energy savings for both housing authorities as well as the residents of public housing. Blok 9 in the Gadehavegård estate in Taastrup has undergone an extensive renovation, supported by EU ECO-Life and the EUPD, which has transformed the building from a highly consuming 70's tenement to a passive-house level.

13.10 **EVALUATION: COMFORT IN ENERGY RENOVATED PUBLIC HOUSING BASED ON RESIDENT INTERVIEWS AND MEASURES OF INDOOR ENVIRONMENT**

Iben Østergaard, Senior Adviser, Energy efficiency and ventilation, Institute of Technology

As a part of the EU ECO-Life project an extensive monitoring programme has been carried out with the object of assessing comfort. Are the residents satisfied? How have they experienced the renovation and has it heightened their level of comfort? What do we need to remember for next time?

13.30 **CASE: DEEP RENOVATION OF ROCKWOOL'S HEADQUARTERS – CENTRE 2**

Arne Damsgaard Olsen, Facility Manager, ROCKWOOL International A/S

Only the bare skeleton of the building was left when Rockwool renovated a part of its headquarters in Hedehusene. The result is 3.000 m2 modern offices in an otherwise derelict building and energy savings of almost 85 %. What were the challenges, and what are the most important lessons learned from the project?

13.55 **QUESTIONS**

14.05 **COFFEE BREAK WITH FRUIT AND CAKE**

14.25 **CASE: THE FUTURE OF HEAT SUPPLY**

Marie Louise Lemgart, Climate Adviser, Høje-Taastrup Municipality

Based on the results from the 'Høje-Taastруп Going Green' project, examples are provided of how a municipality and a district heating company co-operate on the planning and realisation of the green transformation of the heating system.

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Teknologisk Institut, Auditoriet, Bygning 1,
Gregersensvej, 2630 Taastrup

14.55 CASE: DANICA PROPERTY – A STRATEGIC APPROACH TO ENERGY

*Árni Laksafoss, Project Manager,
Danica Property, and Hans Andersen,
Head of Energy, DEAS*

By far the largest roof-based PV system in Scandinavia is situated on the roof of the shopping centre CITY2 in Høje-Taastrup. Behind the investment and establishment is Danica Property, which is one of Denmark's largest property owners with over 144 business properties and 16 shopping centres that cover more than 1.7 million m². Danica Property is at the moment working on the energy optimization of CITY2 and 15 other shopping centres.

15.15 CASE: ALTERNATIVE FUELS FOR THE TRANSPORTATION OF HEAVY GOODS

*Michael Stie Laugesen, District Leader,
The association of Danish Transport
Centres*

Høje-Taastrup is a traffic hub and due to the many transport-heavy businesses and facilities, the transportation of heavy goods is a large part of the traffic load. At Høje-Taastrup Transport Centre they work on providing alternative fuels to diesel.

15.35 PERSPECTIVE: HØJE-TAASTRUP AS SMART CITY

*Lars Christensen, Centre Director,
Centre for Technology and Environment,
Høje-Taastrup Municipality*

In the future, digital technologies will work to enhance the quality of life of citizens, bring down the consumption of resources as well as energy consumption in the city. How can SMART CITY-elements be integrated in cities and urban development projects?

16.00 DISCUSSION & QUESTIONS

Mediator Jesper Tornbjerg

16.15 FINISHING REMARKS & THANK YOU

*Lars Christensen, Centre Director,
Centre for Technology and Environment,
Høje-Taastrup Municipality*

18.30 CONFERENCE DINNER AT RESTAURANT BOLLINIS, HEDEHUSENE

After the conference, it is possible to participate in a conference dinner at the pleasant restaurant, Bollinis, in the centre of Hedehusene. Participation at your own expense.

Price of menu: 259 DKK excl. drinks.
Possibility for vegetarian menu.

Bollinis, Hovedgaden 437,
2640 Hedehusene









PROGRAMME > FIELD TRIPS

Friday 30th October 2015, 8:20-16:15



The trip starts and ends
at Høje-Taastrup Station

**PART ONE: ROCKWOOL CENTER 2,
HOVEDGADEN 584, 2640 HEDEHUSENE**

**08.20 THE BUS DEPARTS FROM
HØJE-TAASTRUP STATION FOR
ROCKWOOL CENTER 2**

08.30 COFFEE AND LIGHT BREAKFAST

**09.00 WELCOME AND PRESENTATION
OF TODAY'S PROGRAMME**
*Michael Ziegler, Mayor,
Høje-Taastrup Municipality*

**09.10 WELCOME TO ROCKWOOL
INTERNATIONAL A/S**
*Susanne Kuehn, PA Manager,
Rockwool International A/S*

**09.20 THE EU ECO-LIFE PROJECT FROM
A BIRD'S EYE PERSPECTIVE**
*Reto M. Hummelshøj, Project
Coordinator for ECO-life, section
manager at COWI A/S*

The ECO-Life project started in 2009 with the ambition of demonstrating low-energy construction and thorough renovation in accordance with sustainable energy production – and thus achieving CO₂-neutral districts in three Communities. How did we succeed – and what challenges did we encounter in the process?

09.50 ECO-LIFE IN BELGIUM

*Ilse Piers, Local coordinator for Kortrijk,
Belgium, Goedkope Woning.*

The Belgian housing association Goedkope Woning presents local results, challenges and resident economy as well as navigating a EU-project

10.20 ECO-LIFE IN LITHUANIA

(To be confirmed) Lithuania, COWI UAB

Birstonas presents local challenges and new possibilities for improving housing in a Baltic city district.

10.50 COFFEE AND FRUIT

**11.10 GUIDED TOUR OF
ROCKWOOL CENTER 2**

*Arne Damsgaard Olsen, Facility Manager,
ROCKWOOL International A/S*

An extensive energy renovation resulted in a greatly improved indoor climate and energy savings of 85 %. The project was resource efficient and cheaper than constructing a new building.



PART TWO: FIELD TRIP – THE BUS LEAVES ROCKWOOL CENTER 2 AT 11.45

11.45 FIELD TRIP: SELECTED CLIMATE PROJECTS IN HØJE-TAASTRUP MUNICIPALITY

PV system at Fløng and Engvadgård estate

The 3.000 m² PV system at Fløng supply heating for the residents of Fløng and in the first eight months of 2015 it has supplied more than 985 MWh. The neighbouring estate, Engvadgård, has undergone several renovations and has achieved a low level of energy consumption and a good indoor climate.

Høje-Taastrup Townhall

The renovation of the townhall has recently commenced. A new canteen, meeting facilities and offices provide new life to a piece of energy consuming 80's architecture. Moreover, the gradual replacement for electric vehicles that more than 50 % of the cars in civic service are run by electricity.

12.30 STANDING LUNCH AT HØJE-TAASTRUP TOWNHALL

Høje-Taastrup Transportation Centre

A range of businesses are moving to Høje-Taastrup at the moment. Within the years 2016-17 alone, Copenhagen Markets and Post Nord are moving to the municipality bringing 1700-1900

employees. Pilot-projects on transitions to gas and electricity have been initiated with the goal of fossil free city logistics.

Gadehavegård housing estate: passive house renovation of Blok 9

The initial part of the extensive renovation of the entire estate of Gadehavegård is now finished. The facades have been insulated and the balconies are now integrated in the flats. A PV system has been established as well as a new heating system. LED lighting in the staircases is also part of the overall solution.

BR2015: Birkehøj nursing home and super-low-energy: day-care facility Lindehaven

The new Birkehøj nursing home was constructed in 2014 according to BR2015. Right next to the nursing home is a kindergarten, which has been renovated to super-low-energy – as one of the 29 day-care facilities that have recently been renovated instead of constructing new buildings.

The PV solar system on the roof of CITY2

We finish off with a visit to the roof of the shopping centre CITY2 to have a look at the largest roof-based PV solar system in Scandinavia. It has a capacity of 13.000 panels and an estimated annual production of 2.100.000 kWh.

16.15 THE TRIP ENDS AT HØJE-TAASTRUP STATION. THANK YOU FOR TODAY!



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KICK STARTING GREEN TRANSITION
IN DANISH MUNICIPALITIE



**Høje-Taastrup
Kommune**