

IEA-SHC Task 50

“Advanced Lighting Solutions for Retrofitting Buildings”



3rd Industry Workshop

10 March 2014
Bartenbach GmbH
Rinner Strasse 14
Aldrans, Austria

<http://task50.iea-shc.org/>

Workshop – Topic

Retrofitting of lighting solutions in non-residential buildings

Date

Monday, 10 March 2014, 9.00-12:30 (lunch 12:30-13:30)

Location

Bartenbach GmbH, Rinner Str. 14, 6071 Aldrans, Österreich

Registration

Participation fee: 50 Euro including lunch, coffee, beverages
(no extra fee for Task 50 meeting participants)

Mandatory Registration

The registration is open until 25 February 2014

Limitation of participants: 70

Cancellation policy: Fees will be returned to the participant if cancellation is made before 2 March 2014. For later cancellations, the full fees will be charged to the participant.

Information

Additional information on Task 50, the workshop and on registration can be found under:

<http://task50.iea-shc.org/>

The access route to Bartenbach can be found here:

<http://www.bartenbach.com/en/contact/access-route.html>

Organization

David Geisler-Moroder
<david.geisler-moroder@bartenbach.com> and
Wilfried Pohl <wilfried.pohl@bartenbach.com>

Bartenbach GmbH
Rinner Strasse 14
A - 6071 Aldrans

Return Address

Ursula Steffan and David Geisler-Moroder

preferably by Email: ursula.steffan@bartenbach.com

cc: david.geisler-moroder@bartenbach.com

Bartenbach GmbH

Rinner Strasse 14

A - 6071 Aldrans, Austria

“Advanced Lighting Solutions for Retrofitting
Buildings”

IEA SHC Task 50

3rd Industry Workshop



IEA SHC Task 50

Lighting accounts for approx. 19% (~3000 TWh) of the global electric energy consumption. Without essential changes in policies, markets and practical implementations it is expected to continuously grow despite significant and rapid technical improvements like solid-state lighting, new façade and light management techniques.

With a small volume of new buildings, major lighting energy savings can only be realized by retrofitting the existing building stock. Many countries face the same situation: About 75% of the lighting installations are considered to be out of date (older than 25 years). Compared to existing installations, the majority of new solutions allow a significant increase in efficiency – easily by a factor of three or more – going along with highly interesting payback times. However, lighting refurbishments are still lagging behind compared to what is economically and technically possible and feasible.

Task 50 targets building owners (investors), authorities, industry and consultants by providing strategic, technical and economic information and by supporting stakeholders overcome barriers in retrofitting lighting installations. The overall objective of this Task is thus to accelerate retrofitting of daylighting and electric lighting solutions in the non-domestic sector using cost-effective, best practice approaches, which can be used on a wide range of typical existing buildings.

The scope of Task 50 is on general lighting systems for indoor environments. The focus is on lighting appliances in non-domestic buildings. Technically, Task 50 addresses daylight utilization through better façade/roof technologies and architectural solutions, electric lighting schemes as well as lighting control systems and strategies.

Objectives of the workshop

- Task experts will inform about general lighting retrofit issues and possible solutions
- General experience exchange between industry and research
- Obtain feedback from industry and learn about practitioners' needs, for successful continuation of the work within IEA SHC Task 50

Preliminary Agenda

9:00-9:15 Welcome and coffee

Advanced lighting solutions for retrofitting buildings: Introducing IEA SHC Task 50

Jan de Boer, Fraunhofer-IBP, Germany

Replacement of T8 luminaires with an ergonomic LED solution (using the example of a classroom lighting)

Hans Laschefski, ALANOD GmbH & Co. KG, Germany

Daylight Systems – Required components of integrated light solutions

Klaus Buntkiel-Kuck, Siteco Beleuchtungstechnik GmbH, Germany

Approaches for monitoring protocols and their practical relevance

Niko Gentile, Lund University, Sweden

Experiences with solar shading systems in building renovation

Martin Troyer, HELLA Sonnen- und Wetterschutztechnik GmbH, Austria

10:45-11:00 Coffee break

Lighting systems and retrofit potentials based on a detailed assessment of 25 existing buildings

Anna Hoier, Fraunhofer-IBP, Germany

Improved lighting quality by sustainable LED solutions in industry lighting

Oliver Ebert, Zumtobel Lighting GmbH, Austria

Integrated lighting solutions as component of a holistic building automation

Christian Pillwein, Beckhoff Automation GmbH, Austria

12:00-12:30 **Panel discussion**

H.Laschefski, K.Buntkiel-Kuck, M.Troyer, O.Ebert, C.Pillwein, J. de Boer, N.N(IEA 50), N.N(IEA50)

12:30-13:30 Lunch

Registration

IEA-SHC Task 50

“Advanced Lighting Solutions for Retrofitting Buildings”

3rd Industry Workshop

Title / Name:
Organization:
Address for invoice (company address):
Tel:
Email:
Signature:
Please specify allergies or other special eating requirements if any (vegetarian, vegan, etc.):

Please return this sheet at the latest on 25 February 2014

preferably **by Email** to ursula.steffan@bartenbach.com

with cc to: david.geisler-moroder@bartenbach.com