

D7.19

First exhibition at international industrial fair

[Website, patents filling, etc.]

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Abstract: This document reports the concerted activities organized by QUANTUM partners at Light+Building 2018, held from 18 to 23 March in Frankfurt.

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History of changes

CHAPTER NO.	DESCRIPTION OF CHANGE





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1 ABOUT LIGHT+BUILDING 2018

Light+Building is the world's largest trade fair for lighting and building services technology, organized every two years in Frankfurt am Main. Light+Building brings together all electrically based building services systems, thus promoting integration in the planning of buildings, with a full spectrum of products, from the "smart home" to the "smart building". It is the industry hotspot for architects, planners, electrical installers, retailers and the real estate sector from all over the world.

In the 2018 edition, themed "Connected – Secure – Convenient", was held from 18 to 23 March. It gathered around 2715 exhibitors from 55 countries, who presented their new products in the fields of electrotechnology and home and building automation – many of them for the first time anywhere in the world. The organizers reported that more than 220,000 trade visitors from 177 countries made their way to Frankfurt Fair and Exhibition Centre.



2 QUANTUM-RELATED ACTIVITIES

Given the focus of the fair and wide range of audience and topics covered at Light+Building, QUANTUM consortium decided to present there the project using a two-fold approach. On one side, by showcasing QUANTUM tools at the fair, at a commercial product booth (see paragraph 2.1). On the other side, by contextualizing the role of QUANTUM tools and services in the broader context of European policies and in connection with sister initiatives and research lines (see paragraph 2.2).

2.1 synavision booth

synavision had a booth at Light+Building for the whole duration of the fair. They introduced event visitors to the QUANTUM tool ‘Performance Test Bench’, which is used to specify and validate BMS’ functions using Active Functional Specifications to evaluate mass data (Figure 1).



Figure 1. synavision team presenting the QUANTUM tool “Performance Test Bench” at their booth at Light+Building.

synavision’s booth was located in a highly attractive place within the surface provided by the BACnet Interest Group Europe to its partners. As a result, synavision was presenting its software solution in the neighborhood of the leading players in the industry, which was very beneficial for traffic and attention that synavision received. In addition, synavision director, Dr. Stefan Plessler, had the opportunity to present the synavision Performance Test Bench and the QUANTUM project in the BIG.EU market place as a speaker.

The high quality of the booth and the excellent positioning demonstrated the high relevance of the QUANTUM project’s targets and the maturity of synavision to its current and potential customers, as well as to other relevant players when it comes to closing the quality gap in construction projects. This opened the doors for constructive negotiations on how to cooperate in the market and create win-win-situations for all parties involved. This was an important event for taking the synavision solution to the market; an event of high impact in communicating the achievements of the QUANTUM project to a larger audience.

2.2 REHVA seminar

On March 20th from 13:00 to 16:00 REHVA organized the seminar "Smart building & digitalisation in the new EPBD. Policies and implementation in practice".

This Seminar covered the (by that date) upcoming revised EPBD, with a focus on digitalisation and smart buildings. These are in fact two new key aspects influencing buildings and HVAC systems. The speakers were international REHVA experts, consulting engineers and leading European HVAC manufacturers that covered the topics:

- The new EPBD: smart buildings, energy and indoor environmental quality
- IoT and digitalisation in the HVAC sector
- BIM for HVAC systems
- How Digitalisation enables High Performance Buildings and Quality Management
- The new EN 16798-1 standard on Indoor Environmental Quality

QUANTUM project coordinator, Dr. Stefan Plessler, was one of them, giving a speech about how digitisation enables high performing buildings (Figure 2).



Figure 2. Stefan Plessler, QUNATUM coordinator, giving a speech at the REHVA seminar.

Annex 1 displays the REHVA seminar agenda, all the presentations are freely available on the [REHVA website](#) and pictures of the event are available on [REHVA Flickr account](#).

To promote the participation to the event, REHVA offered free entrance vouchers to the fair. Moreover, REHVA organized a reHVAClub Cocktail Reception, as occasion for the Seminar participants to continue the discussion in an informal way and to network.



3 ANNEX 1



SEMINAR

20 March 2018, 13:30-16:00

Light + Building 2018, Messe Frankfurt

**Smart buildings & digitalisation in the new EPBD.
Policies and implementation in practice.**

AGENDA

- 13:30 *Registration and welcome*
-
- 13:35 **2nd recast of the EPBD - Energy, IEQ, smart buildings & digitalisation**
Jarek Kurnitski, REHVA Vice-president
-
- 14:00 **HVAC goes IoT - Smart water systems for sustainable buildings**
Ilari Aho, UPONOR
-
- 14:25 **Next: Quality Management - How Digitalisation enables High Performance Buildings**
Stefan Plesser, synavision GmbH
-
- 14:50 **BIM for HVAC systems**
Henk Kranenberg, DAIKIN
-
- 15:15 **Implementing Indoor Environmental Quality according to EPBD recast, new EN 16798-1**
Atze Boerstra, REHVA Vice-president
-
- 15:40 **Questions and discussion**
-
- 16:00 **Closing remarks**
-

