



Dear Reader,

The year 2017 has been a busy year for the Triangulum consortium. A whole host of activities have been implemented in our Lighthouse Cities Eindhoven, Manchester and Stavanger. At the same time, the replication of project activities has become a focal point for the partners and replication activities in our three Follower Cities Leipzig, Sabadell and Prague have started. The 7th Triangulum Newsletter informs you about these activities and the latest news from the Triangulum cities.

We hope that you enjoy reading this newsletter and we kindly invite you to visit our website at www.triangulum-project.eu where you can stay up to date with all of Triangulum's present and upcoming activities.

We wish you a merry Christmas and a restful holiday time. We are looking forward to seeing you again in a very "smart" new year 2018!

Project coordinator of Triangulum

7th Triangulum Newsletter December 2017

Content

- [Editorial](#)
- [News](#)
- [Events](#)

Triangulum ID

Title

Triangulum
Demonstrate, Disseminate,
Replicate

Programme

European Union's Horizon 2020
Research and Innovation
Programme

Duration

01/02/2015-31/01/2020

Budget

29.5 million Euro overall budget
25.4 million Euro funding from
H2020

Project management

Fraunhofer Institute for Industrial
Engineering (IAO)
Steinbeis-Europa-Zentrum



News

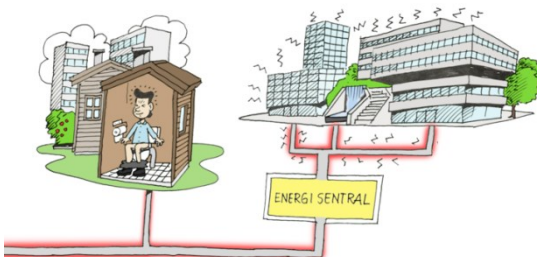
Water Industry Award goes to Stavanger

Stavanger's Central Energy Plant, part of the Lighthouse City's Triangulum activities, recently won the Water Industry Award in Norway for its innovative solution. The award is handed out to projects with a high degree of complexity, solved by using a new and unique approach.

The energy plant transforms the city's wastewater to energy, reducing the CO2 emission by 80% – something that has never been done in Norway before. The new energy facility uses a renewable energy source to heat and cool three administrative buildings and the public swimming pool in the city centre.

Local coordinator in Stavanger, Gerd Seehuus, is happy for the acknowledgment and says it's great that the City of Stavanger can be at the forefront when it comes to developing sustainable and innovative solutions.

[Read more...](#)



Discovering Triangulum in Eindhoven during WDE

A dedicated expo on the Triangulum activities took place during the World Design Event (WDE), which was held together with the Dutch Design Week from 21st to 29th October in Triangulum's Lighthouse City Eindhoven. Many of the 335,000 visitors to the Design Week explored this exhibition.

The exhibition "Strijp-X" was organised at the Triangulum demonstration area Strijp-S. It showed people the activities that are being realised in Eindhoven and especially in the Strijp-S area with the help of Triangulum.

There were showcases of some of the projects which were made possible by the I-City tender. All projects could be discovered by Virtual Reality through a large scale model of Strijp-S.

[Read more...](#)





News

MMU ranked as the UK's greenest university

Triangulum partner Manchester Metropolitan University (MMU) has been named the greenest university in the UK, ranked first in the People and Planet University League. The league assesses a range of environmental and ethical factors, management practices and policies, and performance in carbon reduction, energy sources, waste and recycling, and water reduction.

Within Triangulum, MMU are the hosts of a variety of new technologies, including an integrated solar photovoltaics array and Electric Energy Storage, which will be 'controlled' by a central control system. MMU staff also use the two Triangulum electric cars as part of their everyday business activity. During the course of the Triangulum project, they have hosted a series of national and international visits to their sustainable Birley Fields campus. A comprehensive programme of staff, student and wider community participation is planned alongside the other Manchester Triangulum partners.

[Read more...](#)



Manchester's Data Curation service open for business!

The official launch of Manchester-I, Manchester's portal for city-related data, was held on the 29th November at the Manchester Central Library. There was a good turnout of data professionals from across the Manchester Triangulum partner organisations, as well as the City. Attendees were invited to explore the system to understand the datasets available.

Triangulum partner Clicks and Links also demonstrated the virtual reality possibilities they may be able to develop for the project. As well as learning more about the potential for virtual reality, attendees were able to put on the headset and enter the virtual reality train tunnel!

The Manchester data can be viewed and downloaded at www.manchester-i.com. Manchester will also be hosting a series of 'Innovation Challenges' over the course of 2018-19, to enable developers to exploit the data to perform useful functions for the City and its partners.

[Read more...](#)





News

Triangulum consortium meets in Leipzig for 3rd GA

From 11th to 13th October 2017, the entire Triangulum consortium came together in the project's Follower City Leipzig for a Steering Committee meeting and its 3rd General Assembly.

After an official welcome by Leipzig's Lord Mayor Burkhard Jung and Dr. Norbert Menke of Leipziger Versorgungs- und Verkehrsgesellschaft, the consortium members discussed project progress and the next upcoming activities. During an excursion the project partners were also able to explore Leipzig's public transport mobility stations and an innovative heat storage station.



Mayors Meeting in Sabadell: Listen and Learn

Sabadell's mayor Maties Serracant invited John Jorritsma, mayor of Eindhoven to speak about experiences and good practices of the Dutch Lighthouse City.

On 14th November, Mayor Serracant and other representatives of Sabadell welcomed a Dutch delegation together with representatives of Follower City Leipzig and Fraunhofer Institute in order to foster replication activities in Sabadell.

[Read more...](#)





News

FC Training Mission: Stakeholders met in Sabadell

The Triangulum Lighthouse Cities have tested and evaluated countless methods, measures and tools on their way to become greener and more sustainable. But how can the Follower Cities (FCs) choose from this wealth of experience and benefit from good practices? Within the project, support is given by means of the so called "Follower City Training Mission". On 13th and 14th November, stakeholders met in Sabadell, discussing goals and the next steps for Follower City Sabadell.

"For Sabadell, the main goal is that our strategy reflects the ideas of an improved quality of life for our citizens, social inclusion, democratic quality and leverage for equitable economic progress with new job creation, especially for small entrepreneurs and the social economy sectors", summarised councilor Soler i Antolí. Sabadell starts the implementation phase in 2018.

[Read more...](#)



News from our Sister Projects

Triangulum is one of twelve European Smart Cities and Communities Lighthouse projects, currently receiving funding within the European Union's Horizon 2020 Research and Innovation programme.

We welcome the latest three members to our Lighthouse projects family! In October and November 2017 the three projects [STARDUST](#) (with the LHC Pamplona, Tampere and Trento), [IRIS](#) (with demonstration areas in Utrecht, Göteborg and Nice) and [MAtchUP](#) (gathering the LHC Valencia, Dresden and Antalya) have started.

Find them also on Twitter: [@stardustH2020](#) | [@IRISsmartcities](#) | [@matchupEU](#)

Paying less taxes for more energy efficient houses: The latest tax reduction for energy efficient houses in Vitoria-Gasteiz is evidence of how the [SmartEnCity](#) project is having a positive influence on politicians and regulations. Since the beginning of 2017, the taxes for houses with a good energy rating were reduced significantly, creating a strong incentive for more energy efficient houses.

[Read more...](#)



Past Events

An overview of events attended by Triangulum's project partners:

Smart Cities Summit, 19.-20.09.2017, London (UK)

SCC1 Follower City Workshop, 05.10.2017, Sonderborg (Denmark)

Annual EU Smart Cities Information System Conference, 02.-03.10.2017, Budapest (Hungary)

Smart City Expo World Congress, 14.-16.11.2017, Barcelona (Spain)

SCC side event at SET Plan conference, 29.11.2017, Bratislava (Slovakia)



Upcoming Events

Find Triangulum's partners at the following events:

Every Thing is Connected, 20.-22.03.2018, Manchester (UK)

Nordic Edge Expo, 25.-27.09.2018, Stavanger (Norway)





Partners

Project Management



Eindhoven



Manchester



Stavanger



Replication



Follow us on Twitter: [@Triangulum_EU](https://twitter.com/Triangulum_EU)

Picture Sources: Ajuntament de Sabadell, Manchester City Council, Municipality of Eindhoven, Stavanger Kommune (Inger Hanne Vikshaland), Westbad / Robert Raithel

Register for the newsletter under: <http://triangulum-project.eu>

If you want to unsubscribe from the newsletter, please send an e-mail to press_triangulum@steinbeis-europa.de.

Contact:

Project coordinator: Damian Wagner, Fraunhofer IAO, damian.wagner@iao.fraunhofer.de
Press/Newsletter: Lena Ohlig, Steinbeis-Europa-Zentrum, press_triangulum@steinbeis-europa.de