

# ATELIER

(AmsTERdam BiLbao cItizen drivEn smaRt cities) EU  
Funded project



by

**Dr Ganesh Sauba**

Consultant - Strategic Research & Innovation

Power & Electrification Division, DNV GL – KEMA, The Netherlands

**Date: 23 January 2020**

**Time: 13:00 – 14:15**

**Venue : Lecture Theatre 1, Phase III Building  
Faculty of Engineering, University of Mauritius**

## Abstract

On 1st November 2019, the Smart City project ATELIER, funded by the European Commission under the H2020-LC-SC3-2018-2019-2020 call, started officially. Coordinated by the City of Amsterdam, ATELIER will focus on developing citizen-driven Positive Energy Districts in its two Lighthouse Cities Amsterdam and Bilbao, combining the expertise and the commitment of 30 partners from 11 countries.

ATELIER is all about AmSTERdam and BiLbao citizen drivEn smaRt cities, aiming to create and replicate Positive Energy Districts (PEDs) within eight European cities. ATELIER will showcase innovative solutions that integrate buildings with smart mobility and technologies to create rather than consume energy in its two Lighthouse Cities Amsterdam (Netherlands) and Bilbao (Spain). ATELIER will thus generate an energy surplus of 1340 MWh of primary energy and save 1,7 kt of CO<sub>2</sub> and 23 t of NO<sub>x</sub>-emissions. The Fellow

Cities of ATELIER, Bratislava (Slovak Republic), Budapest (Hungary), Copenhagen (Denmark), Krakow (Poland), Matosinhos (Portugal), and Riga (Latvia), will replicate and adapt the successfully implemented solutions and thus serve as testbeds for future smart cities.

“Our vision is to create dedicated PED Innovation Ateliers to strengthen the local innovation ecosystem, and to remove legal, financial or social barriers to the implementation of smart solutions”, says Frank Tazelaar, Head of Sustainability at City of Amsterdam. “The Innovation Ateliers will be self-sustaining, continuing for a long time after the project has ended, thus being engines for the upscaling and replication of solutions within the ATELIER cities and beyond (Europe and the World). Moreover, through an active learning programme, we will capture and pass along the lessons learned of our Innovation Ateliers”, he adds.

To achieve successful implementations of energy saving measures, ATELIER puts citizens at the center of all its activities: residents (<9000), local initiatives and energy communities will be included in decision-making processes and activities and will be strongly engaged in the development of the technical solutions throughout the project. Citizens will be involved in the Innovation Ateliers to create a maximum impact for the PEDs.

“With ATELIER, we really want to pave the way for more ‘positive’ cities in Europe. Therefore, each of our eight involved cities will develop a City Vision 2050 that constitutes the roadmap for upscaling solutions in the long term. The main objective of this is to guarantee a seamless city transformation from planning to implementation and further upscaling and replication”, explains Eduardo Zabala of Tecnalía Research & Innovation, leader of the City Vision 2050 work.

Along with ATELIER, the resource person will also give an overview of two other EU funded projects, namely PHOENIX and Smart4RES.

PHOENIX - Electrical Power System’s Shield against complex incidents and extensive cyber and privacy attacks.

Smart4RES - Next Generation Modelling and Forecasting of Variable Renewable Generation for Large-scale Integration in Energy Systems and Markets.