

# HEART D10.5 Leaflets/Brochure - I

## September 2018

Project title	Holistic Energy and Architectural Retrofit Toolkit
Project acronym	HEART
Grant Agreement No.	768921
Project call	EEB-05-2017 Development of near zero energy building renovation
Work Package	WP10
Lead Partner	REV
Contributing Partner(s)	EURAC, POLIMI, VYZ, CTIC
Security classification	Public
Contractual delivery date	30/09/2018
Actual delivery date	28/09/2018
Version	1.0
Reviewers	Claudio Del Pero (POLIMI), Sébastien Garnier, Michalis Goudis, and Julian Dijol (HE)

## HISTORY OF CHANGES

Version	Date	Comments	Main Authors
0.1	26/07/2018	Creating structure	Hadil Ayoub (REV)
0.2	09/08/2018	Preparing DDP sections	Hadil Ayoub (REV)
0.3	11/09/2018	Incorporating POLIMI and Housing Europe feedback	Hadil Ayoub (REV)
0.4	24/09/2018	Adding Final edits	Claudio Del Pero (POLIMI)
1.0	28/09/2018	Final version	Hadil Ayoub (REV)



## TABLE OF CONTENTS

Disclaimer	4
EXECUTIVE SUMMARY	5
1 HEART LEAFLET: description and Objectives	6
2 HEART LEAFLET	7
2.1 About HEART	7
2.2 What is HEART?	7
2.3 How HEART benefits you	7
2.4 General facts about the project	8
2.5 THE HEART TOOLKIT → INFOGRAPHIC	8
2.6 CONSORTIUM PARTNERS logos + CONTACT INFO	8
2.7 EC disclaimer	8
3 LEAFLET preview	9
3.1 Leaflet structure preview:	9
3.2 Leaflet design and content preview:	10



# DISCLAIMER

---

This document contains confidential information in the form of the HEART project findings, work and products and its use is strictly regulated by the HEART Consortium Agreement and by Contract no. 768921.

Neither the HEART Consortium nor any of its officers, employees or agents shall be responsible or liable in negligence or otherwise howsoever in respect of any inaccuracy or omission herein.

The contents of this document are the sole responsibility of the HEART consortium and can in no way be taken to reflect the views of the European Union.



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 768921.



# EXECUTIVE SUMMARY

---

This leaflet includes key information that would make readers curious about the project while providing brief information on the approach and concept of HEART, what the HEART project will do, as well as an overview of the partners.

All of these points are further elaborated in this document, starting with the objective and description of the leaflet. This is then followed by the exact copy text of the leaflet and its different sections, an infographic explaining the HEART concept, a review of the main benefits of the toolkit, and finally screenshots and images that show the structure and content of the final leaflet.



# 1 HEART LEAFLET: DESCRIPTION AND OBJECTIVES

---

The HEART leaflet is 'short and catchy'. It makes use of existing images such as the project diagrams developed in the project proposal, and has a light and portable format. The leaflet is a small booklet, it will be printed on recycled paper and in limited numbers. It includes key information that would make readers curious about the project while providing brief information on the approach of HEART, what the HEART project will do, what its main structures are and an overview of the partners.

It aims to attract people to find out more about HEART, its outputs and tools, the support the project can provide and to visit our website. The leaflet is suitable to the context of the project. It is to be used for dissemination and promotion purposes at external conferences, meetings or seminars.

The leaflet will be printed and circulated to all partners. It will also be made available to download from the website. The leaflet provides information about the different aspects of the project and its main objectives. Partners will be requested to disseminate leaflets to colleagues and other stakeholders to raise awareness of HEART. Partners will also be asked to inform REVOLVE where they have disseminated/used the leaflet using a reporting template.



## 2 HEART LEAFLET

---

### 2.1 ABOUT HEART

#### HEART's golden statement

As Europe struggles with the changing climate boosting electricity consumption peaks during both summer and winter, building renovation technologies are becoming essential. However, renovation technologies are often expensive, disintegrated, and their installation time is inefficient.

The time for us to act smart so we can live smart is now. The HEART innovation will help lead us towards the future of sustainable building renovation and drive the transition towards smart cities.

### 2.2 WHAT IS HEART?

HEART is a multifunctional toolkit which integrates several components to transform existing buildings into energy efficient smart buildings. It is also a quick decision-making tool which utilises advanced data analysis to predict and guarantee energy efficiency. While HEART is developed with a focus on existing buildings, the concept can be extended to new residential and commercial buildings.

*The core of HEART is a cloud-based computing platform developed to address and support your specific energy-related needs and choices.*

### 2.3 HOW HEART BENEFITS YOU

HEART is a toolkit that ensures benefits for all, including industry leaders, housing providers, and most importantly the residents living in these buildings.

- Improving the European building renovation process by simplifying it.
- Reducing total energy consumption, integrating renewable energy, and rationalising energy flow between buildings and smart grids.
- Involving stakeholders, supporting energy financing and the exploitation of renewable energy.
- Concept can be extended to new residential buildings in addition to existing buildings.
- Decreasing operating costs and consumer bills.
- Increasing thermal comfort for building users.
- Reducing the performance-related risk of the energy retrofit investments;



## 2.4 GENERAL FACTS ABOUT THE PROJECT

Name	HEART - Holistic Energy and Architectural Retrofit Toolkit
Coordinator	Politecnico di Milano
Type of project:	H2020 IA Project
Number of partners	16 partners from 10 European countries
Project Duration	4 years

## 2.5 THE HEART TOOLKIT → INFOGRAPHIC

### Infographic commentary:

The HEART toolkit utilises components such as ICT, BEMS, HVAC, BIPV, and Envelope Technologies. These cooperate organically to achieve high levels of energy efficiency and allow for an effective interface with the *Smart Grid*. The system is driven by a cloud-based platform which supports decision-making in the planning/design phase and optimises energy performance in the operational one.

### Abbreviations box:

ICT	Information and Communications Technology
BEMS	Building Energy Management Systems
HVAC	Heating, Ventilation and Air Conditioning
BIPV	Building-integrated Photovoltaics

## 2.6 CONSORTIUM PARTNERS LOGOS + CONTACT INFO

## 2.7 EC DISCLAIMER





# 3 LEAFLET PREVIEW

## 3.1 LEAFLET STRUCTURE PREVIEW:



## 3.2 LEAFLET DESIGN AND CONTENT PREVIEW:


As Europe struggles with the changing climate, boosting electricity consumption peaks during both summer and winter, building renovation technologies are becoming essential. However, renovation technologies are often expensive, disintegrated, and their installation time is inefficient.

The time for us to act smart so we can live smart is now. The HEART innovation will help lead us towards the future of sustainable building renovation and drive the transition towards smart cities.

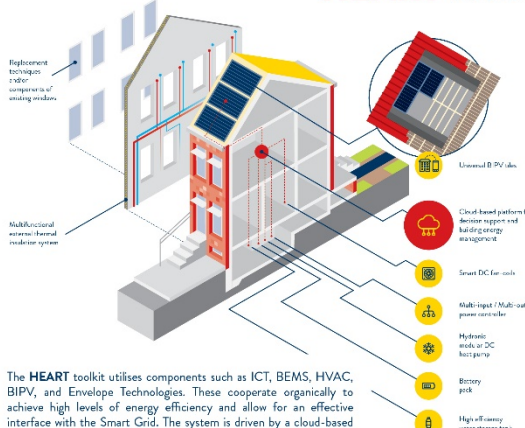
**WHAT IS HEART?**

HEART is a multifunctional toolkit which integrates several components to transform existing buildings into energy efficient smart buildings. It is also a quick decision making tool which utilises advanced data analysis to predict and guarantee energy efficiency. While HEART is developed with a focus on existing buildings, the concept can be extended to new residential and commercial buildings.

*The core of **HEART** is a cloud-based computing platform developed to address and support your specific energy-related needs and choices.*



### HEART toolkit



The **HEART** toolkit utilises components such as ICT, BEMS, HVAC, BIPV, and Envelope Technologies. These cooperate organically to achieve high levels of energy efficiency and allow for an effective interface with the Smart Grid. The system is driven by a cloud-based platform which supports decision-making in the planning/design phase and optimises energy performance in the operational one.

<b>ICT</b> Information and Communications Technology	<b>HVAC</b> Heating, Ventilation and Air Conditioning
<b>BEMS</b> Building Energy Management Systems	<b>BIPV</b> Building-integrated Photovoltaics

### How HEART benefits you:

HEART is a toolkit that ensures benefits for all, including industry leaders, housing providers, and most importantly the residents living in these buildings.

- Improving the European building renovation process by simplifying it.
- Reducing total energy consumption, integrating renewable energy, and rationalising energy flow between buildings and smart grids.
- Involving stakeholders, supporting energy financing and the exploitation of renewable energy.
- Concept can be extended to new residential buildings in addition to existing buildings.

- Decreasing operating costs and consumer bills.
- Increasing thermal comfort for building users.
- Reducing the performance-related risk of the energy retrofit investments.

### About HEART:

NAME  
**HEART** - Holistic Energy and Architectural Retrofit Toolkit

COORDINATOR  
Politecnico di Milano

TYPE OF PROJECT  
H2020 IA Project

NUMBER OF PARTNERS  
16 partners from 10 countries

PROJECT DURATION  
4 years

### Contact us:


✉ [info@heartproject.eu](mailto:info@heartproject.eu)

🐦 [@HEARTProjectEU](https://twitter.com/HEARTProjectEU)

in [HEART Project \(H2020\)](https://www.linkedin.com/company/heart-project/)


🌐 [www.heartproject.eu](http://www.heartproject.eu)


## The sum of all things.





# HEART


### Partners.


  
SCER


  
CTIC


  
MENTPE


  
eurac research


  
EST HABITAT

  
GarcíaRama


  
HELIOTHERM


  
HOUSING EUROPE


  
POLITECNICO MILANO


  
Quant4


  
REVOLVE

  
E.ON Energy

  
ITP

  
E.ON Energy

  
vyzevo

  
E.ON Energy

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 101019151.

