

# Towards digitized EPCs with enhanced information: The SmartLivingEPC project

**Advanced Energy Performance Assessment towards  
Smart Living in Building and District Level**

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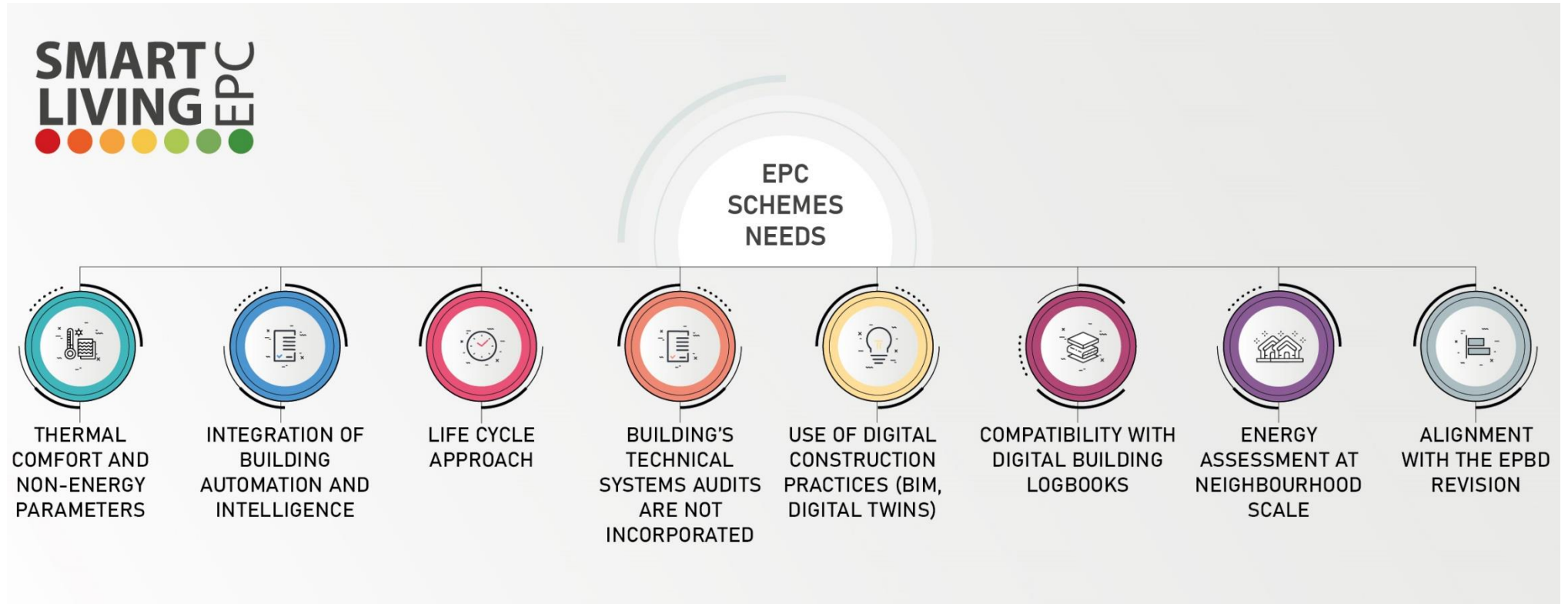
Sustainable Places, Madrid, 15 Jun 23

Smart  
living  
  
EPC



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# SmartLivingEPC – The background



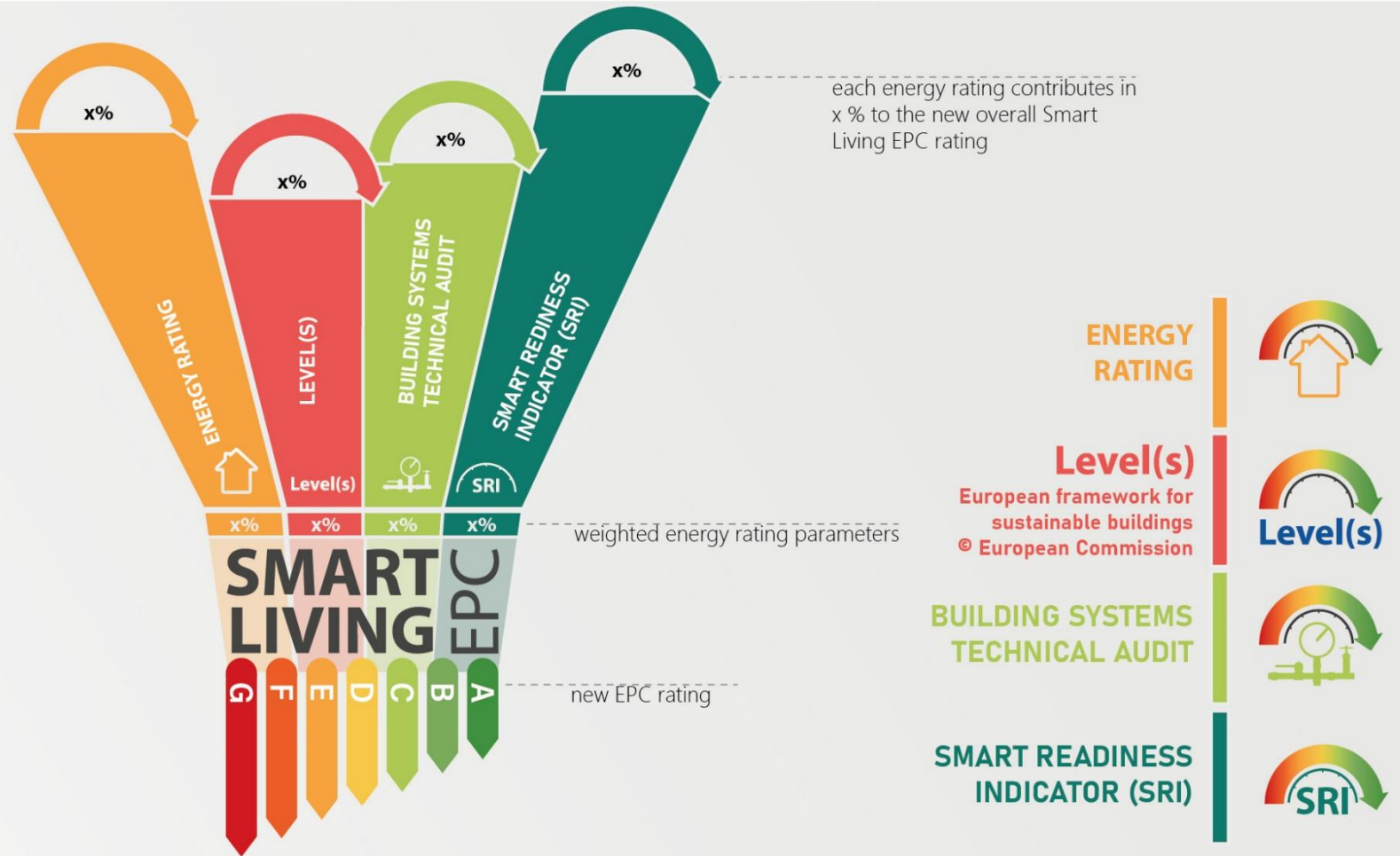
# SmartLivingEPC – The ambition

- SmartLivingEPC project aims to create a Smart Energy Performance Certificate integrating Industry 4.0 parameters. The certificate will be **issued using digitized tools and retrieve assessment information from BIM literacy**.
- It will provide information on the operational behavior of buildings, including a **new rating scale** based on **life cycle performance, building smartness, and technical system performance**.
- The certification scheme will expand to **cover water consumption, noise pollution, and acoustics**, and be **compatible with digital logbooks** and building renovation passports.
- SmartLivingEPC will also focus on energy **certification at the neighborhood scale**, exploring the interaction and impact of buildings within a community and integrating a participatory and neighborhood-based approach.

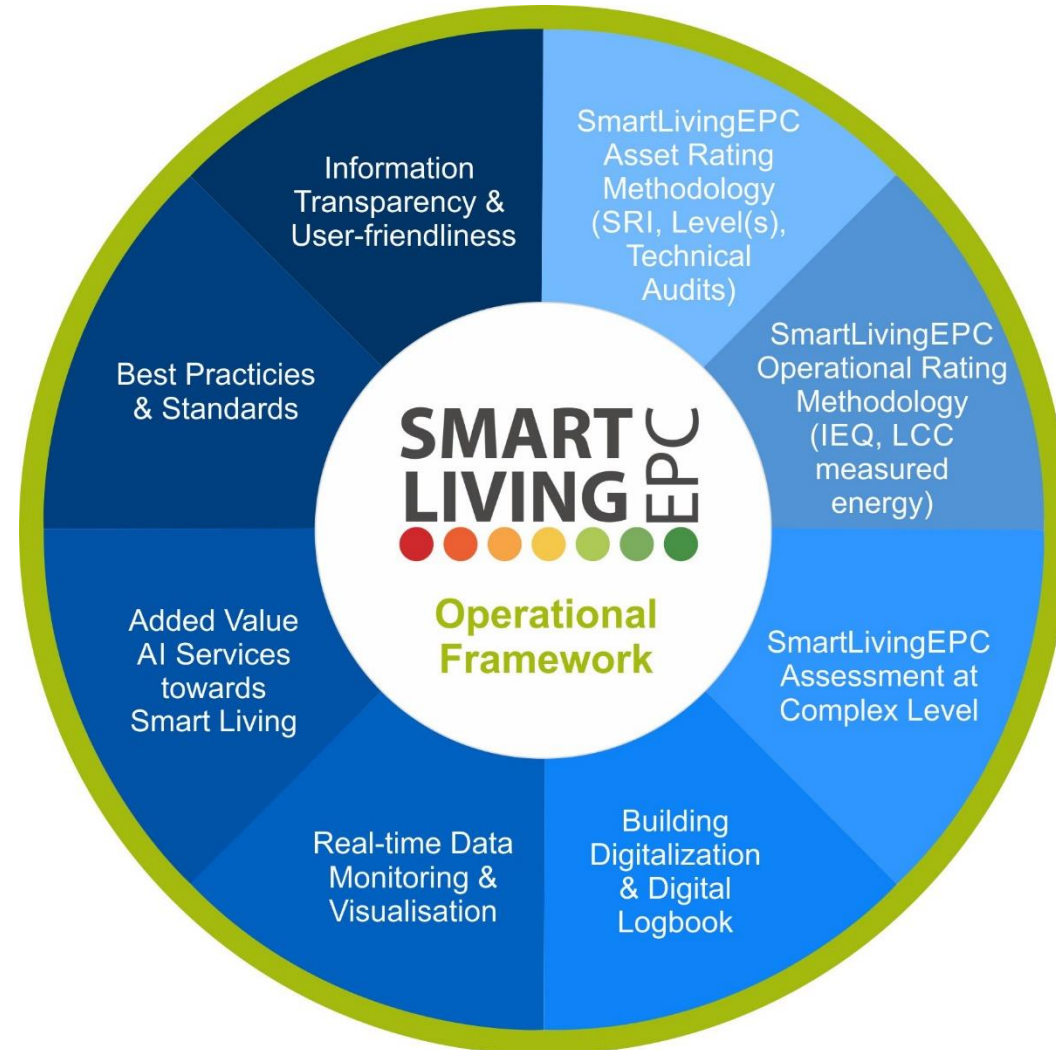


# SmartLivingEPC – The ambition

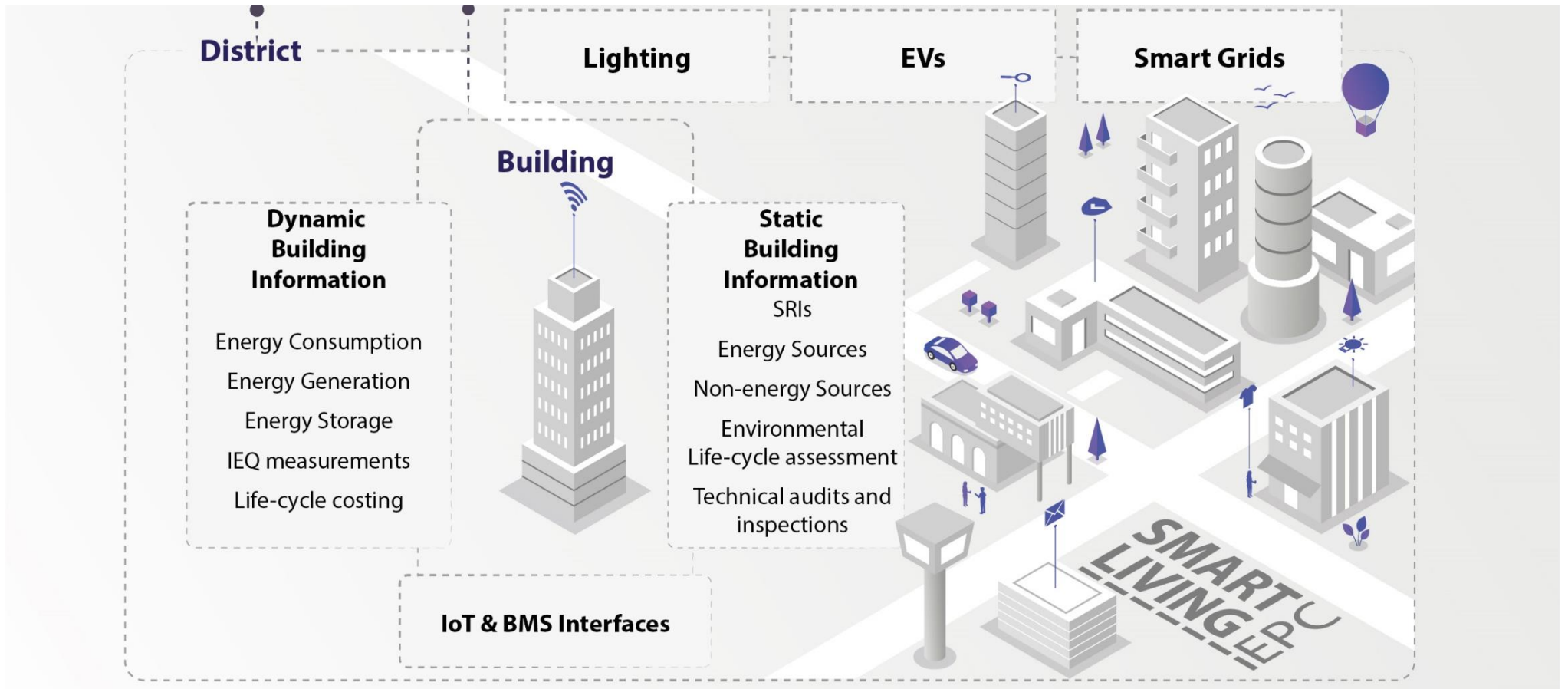
**SMART  
LIVING EPC**  
NEW WEIGHTED RATING  
PARAMETERS



# SmartLivingEPC – Addressing the Challenges

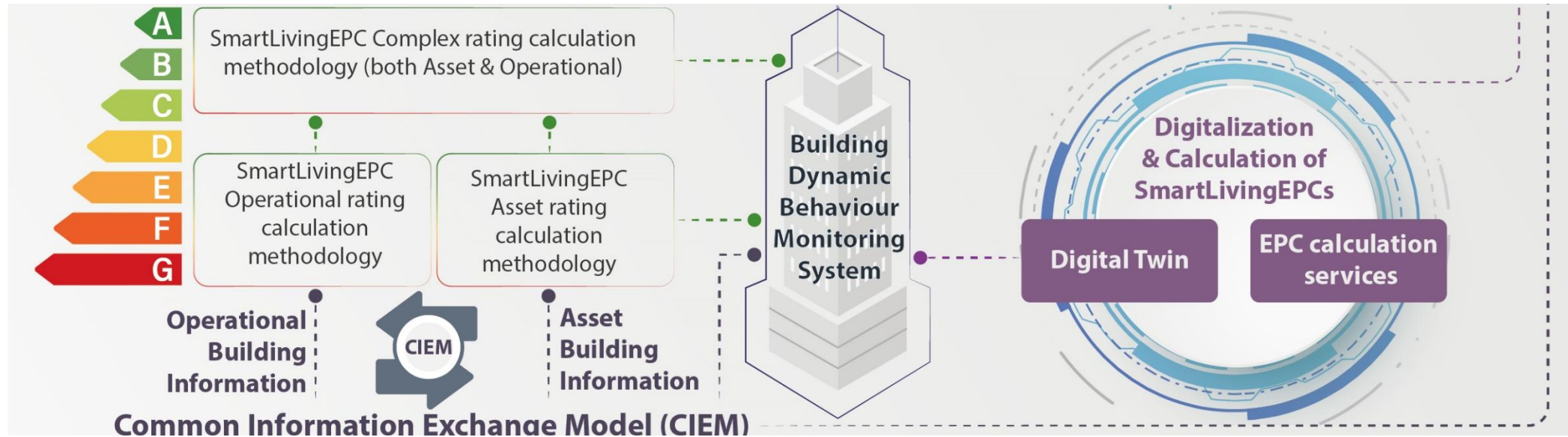


# SmartLivingEPC – The approach (1)

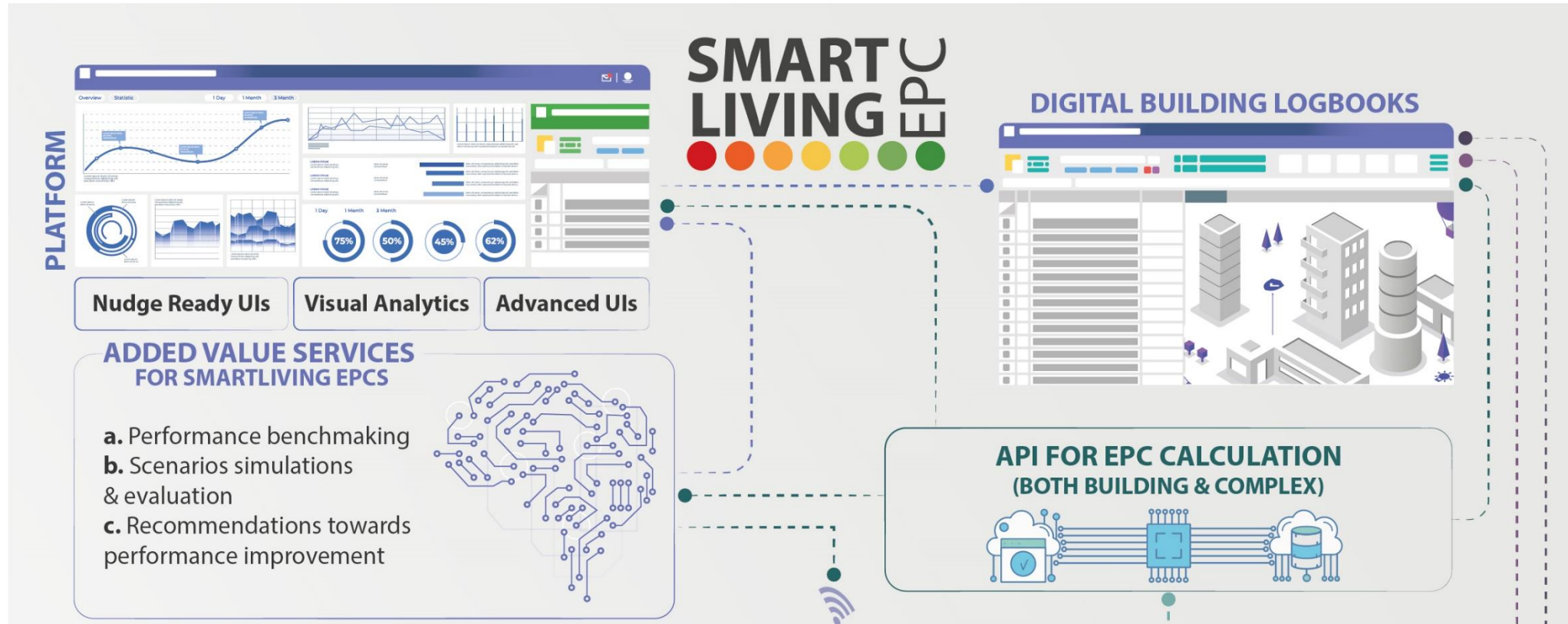




# SmartLivingEPC – The approach (2)

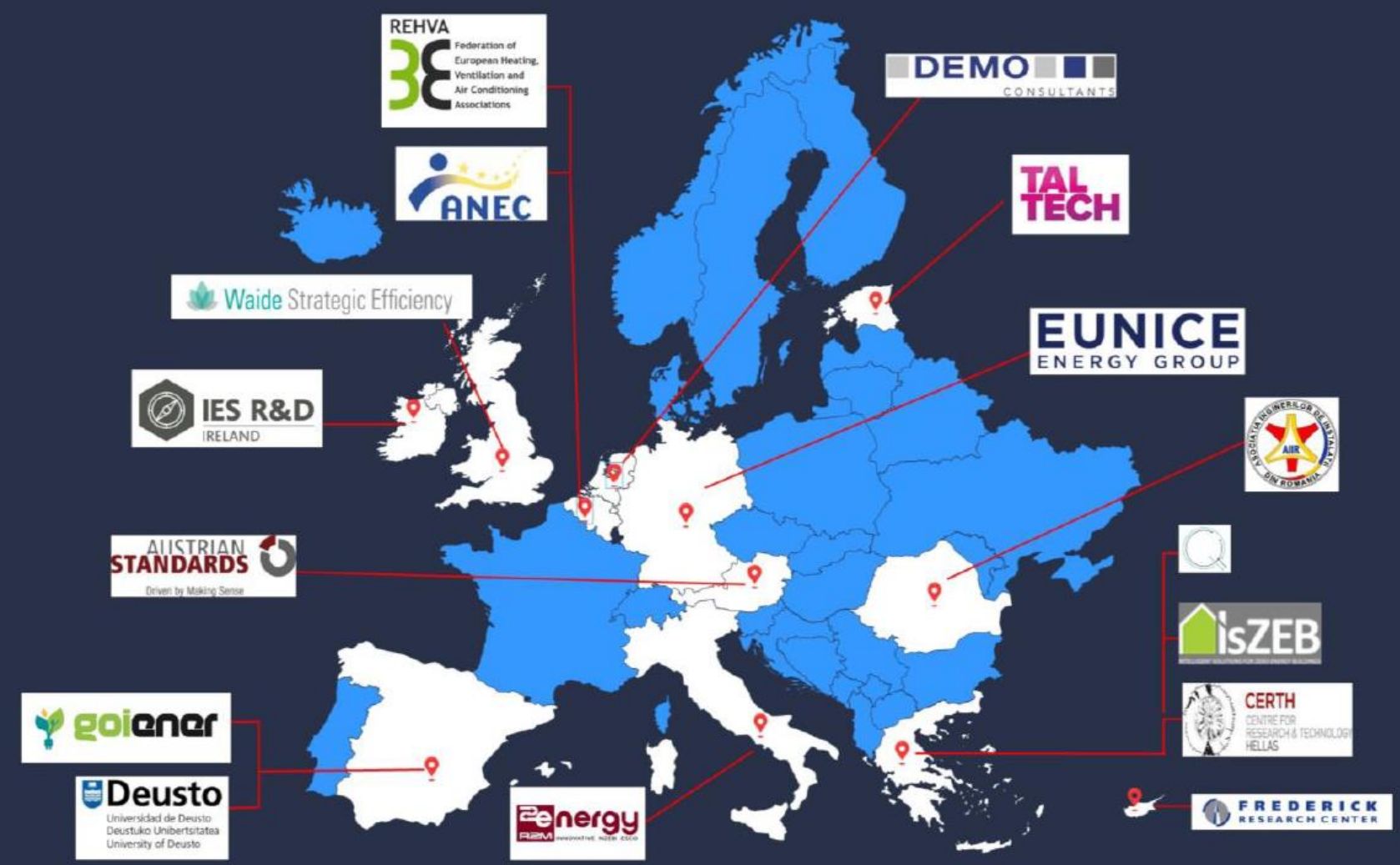


# SmartLivingEPC – The approach (3)

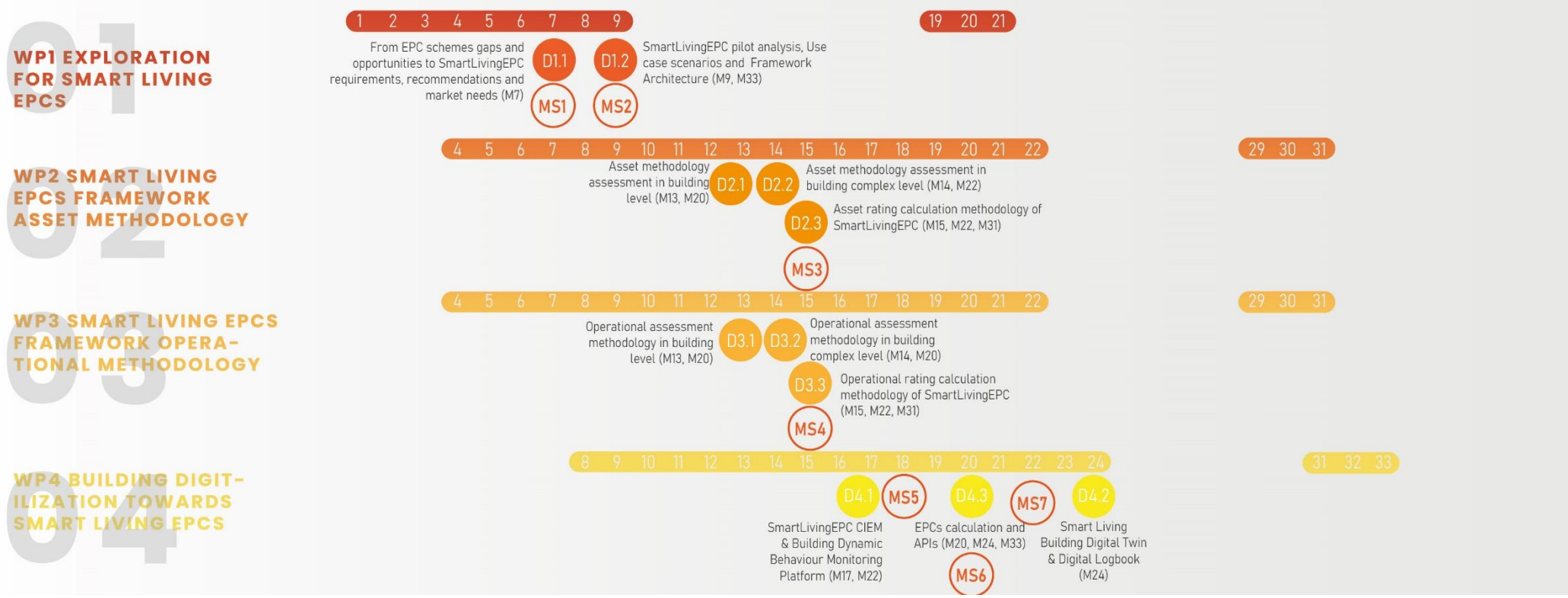




# SmartLivingEPC – The partners



# SmartLivingEPC – The plan (1)



# SmartLivingEPC – The plan (2)



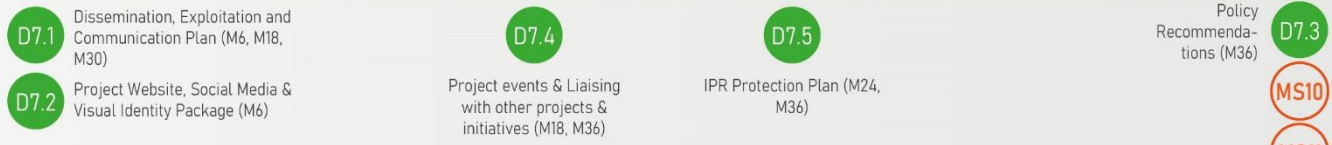
## WP5 ADDED VALUE TOOLS FOR SMART LIVING EPCS AT BUILDING AND COMPLEX LEVEL



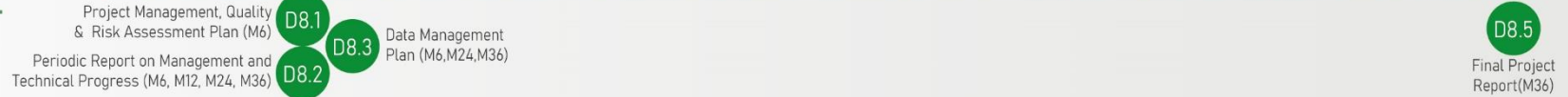
## WP6 DEMONSTRATION AND IMPACT ASSESSMENT



## WP7 COMMUNICATION, DISSEMINATION & EXPLOITATION



## WP8 PROJECT MANAGEMENT & COORDINATION





# SmartLivingEPC – Two cents to standardization

## Energy Performance of Buildings — Operational rating Requirements for assessing Operational rating



This document provides a methodology for data acquisition and data processing, to obtain a measured energy performance assessment and an operational rating of a building.

The measured energy performance may be used for the purpose of:

- rating and entire building and/or providing partial performance indicators;
- validating a calculated energy performance;
- confirming the improvement of the energy performance following the implementation of an energy conservation measure.

# Thank you for your attention!



<https://www.smartlivingepc.eu/en/>



<https://www.linkedin.com/company/smartlivingepc/>



<https://twitter.com/SmartLivingEPC>



<https://www.youtube.com/channel/UC0SKa-20tiSabuwjtYDqRrQ>

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