



The pulse technique-a Built2Spec tool for building airtightness check

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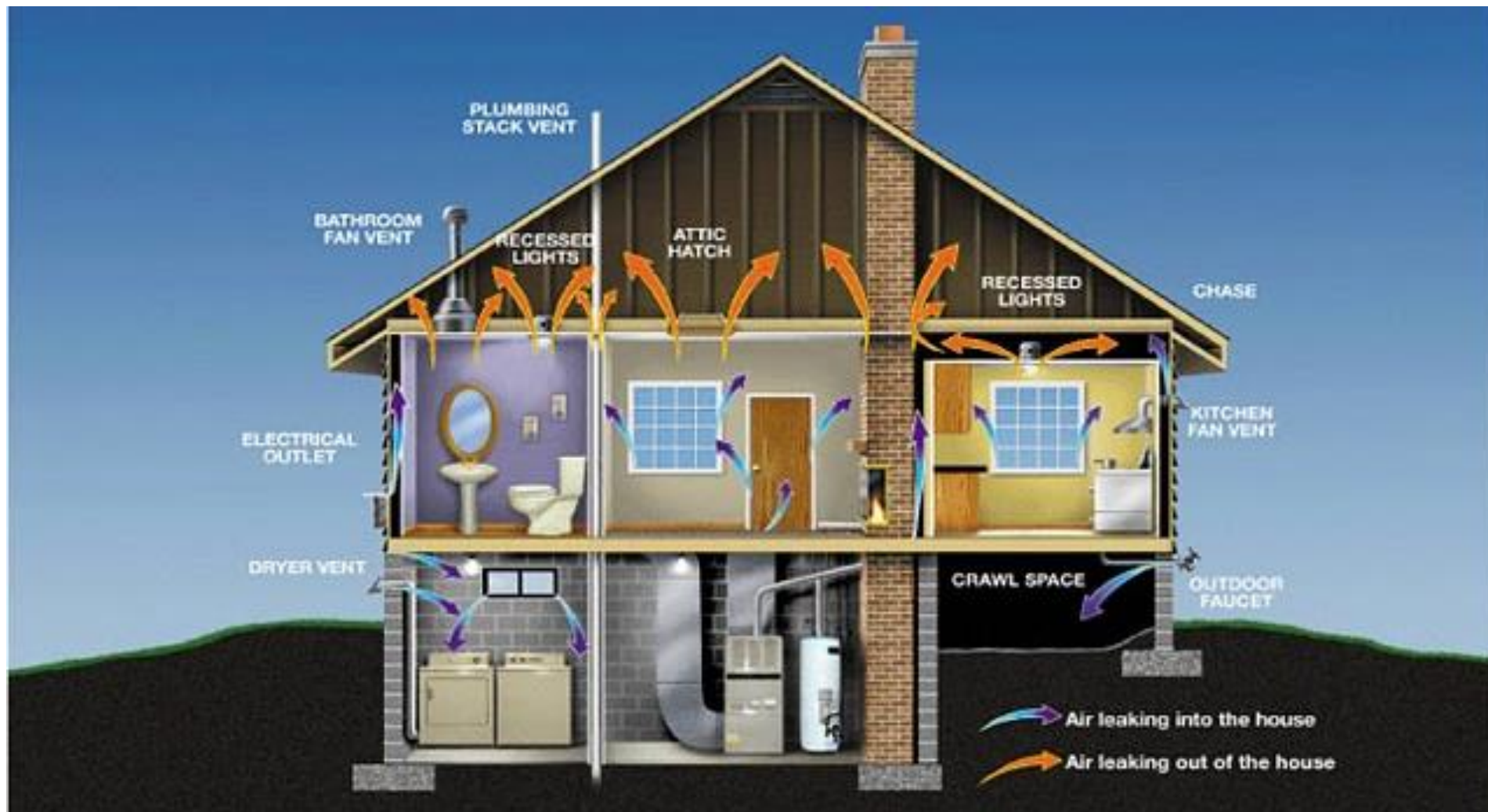
www.built2spec-project.eu



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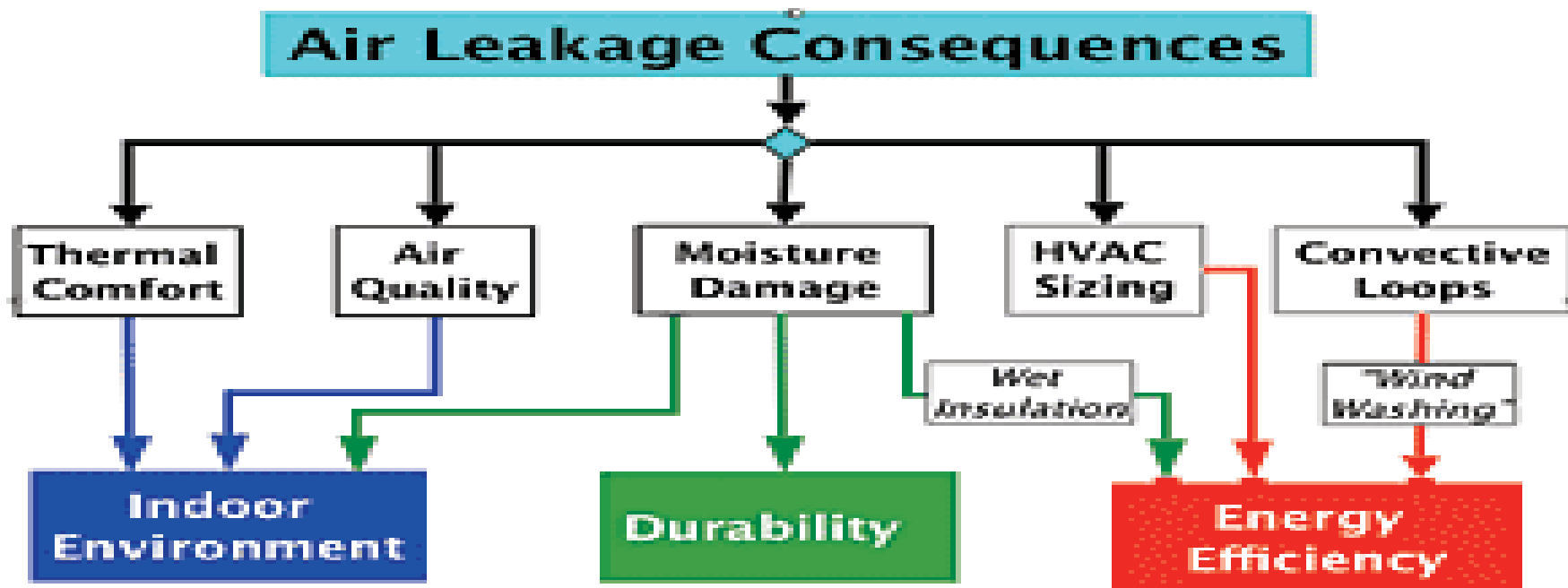


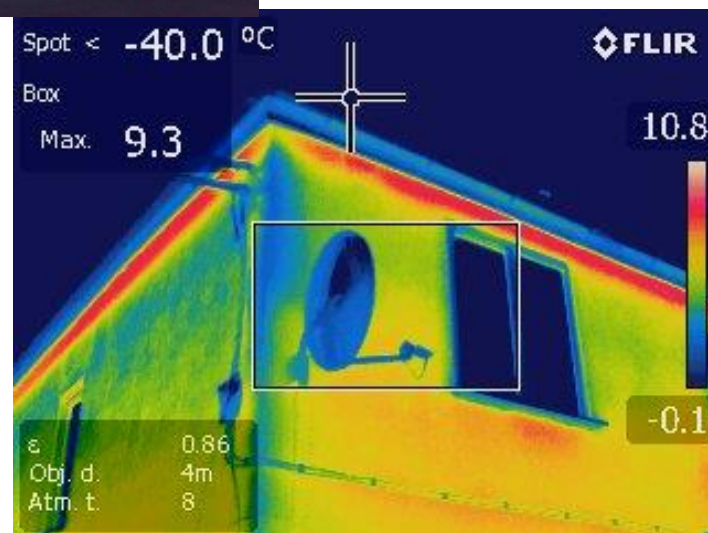
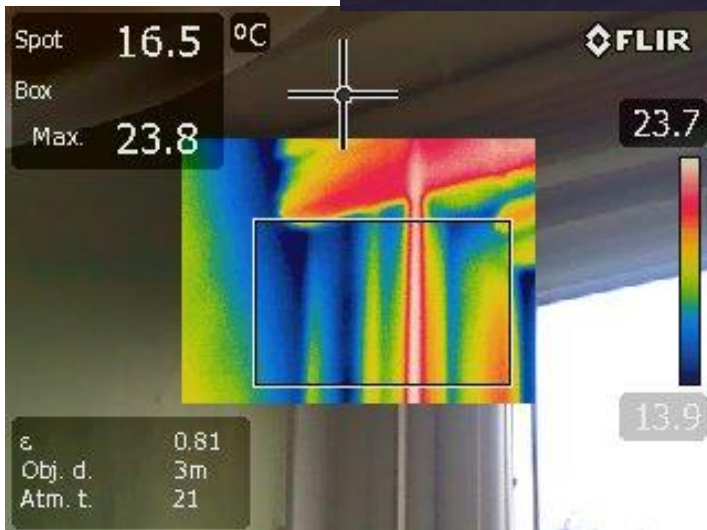
Air leakage





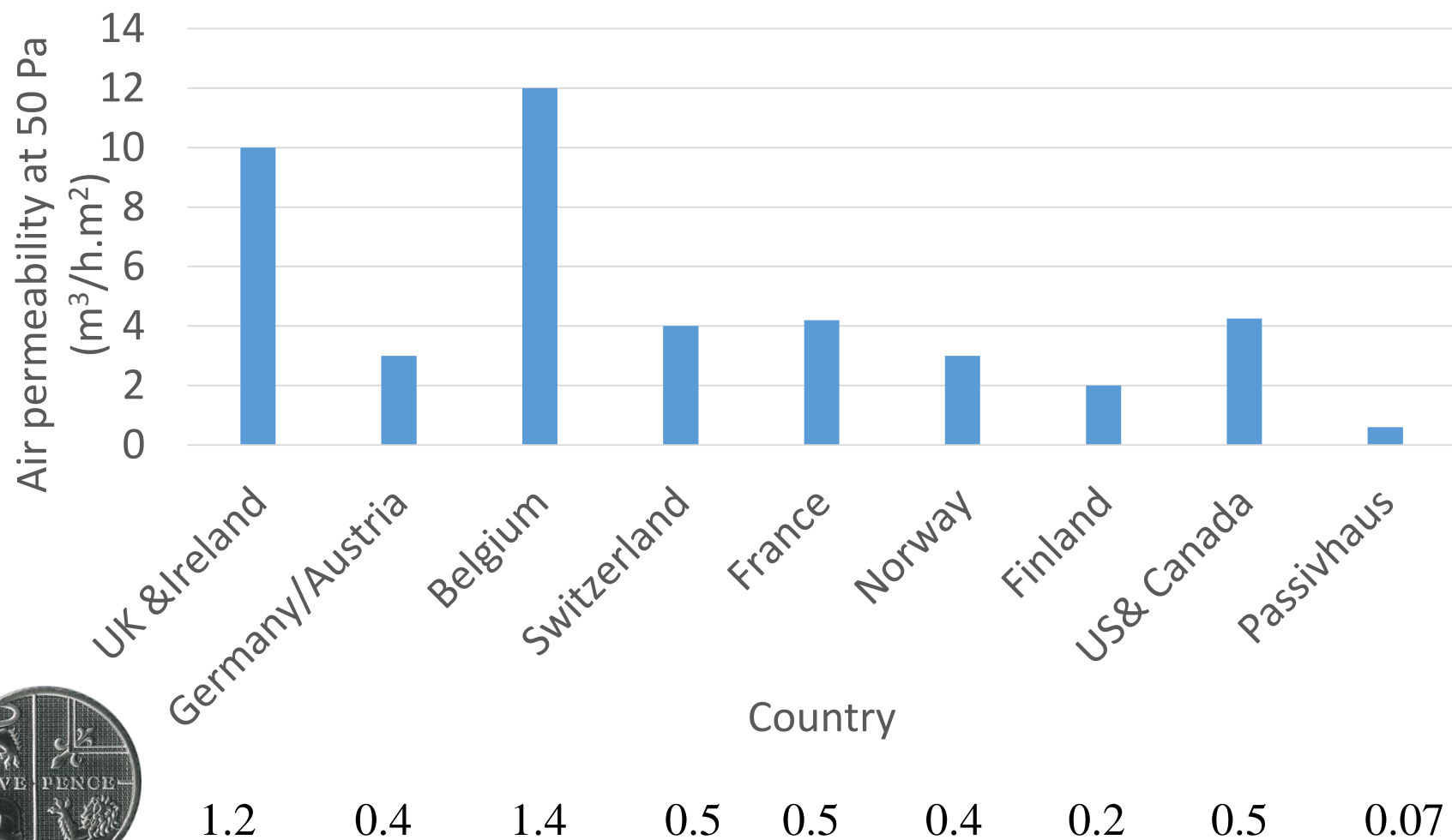
Air leakage consequences





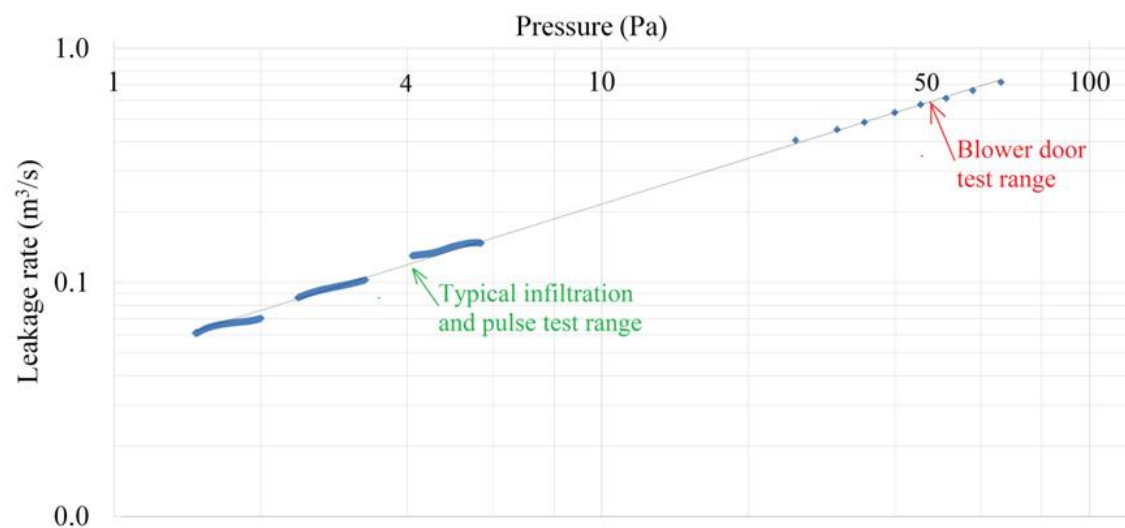


Regulatory requirement in various countries





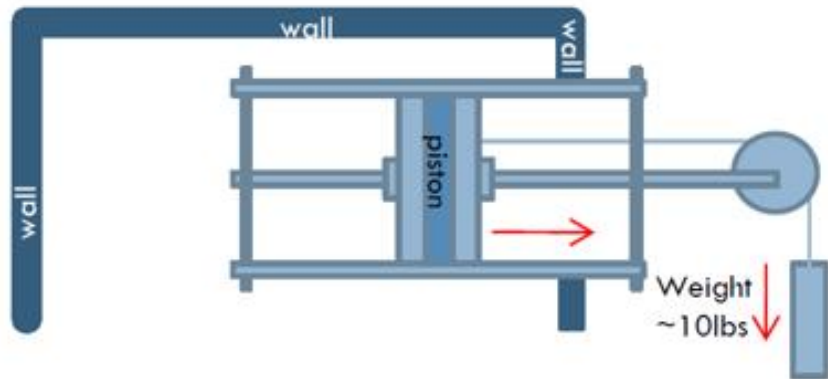

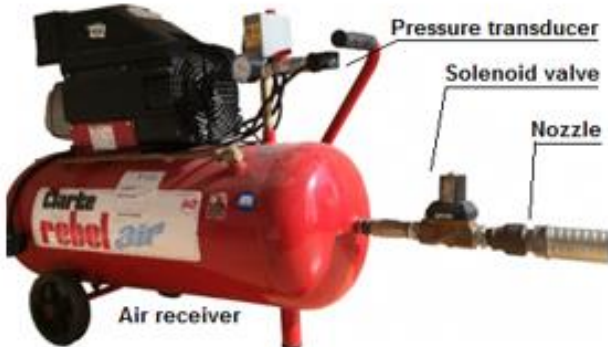


Traditional method-blower door





The low pressure Pulse technique

Table 1 Developmental stages of the pulse technique

Developmental stage	1 (2002)		2 (2003-2010)	
Photo or schematic diagram				
Developmental stage	3 (2010-2013)	4 (2013-2015)	5 (2016-2017)	
Photo or schematic diagram				



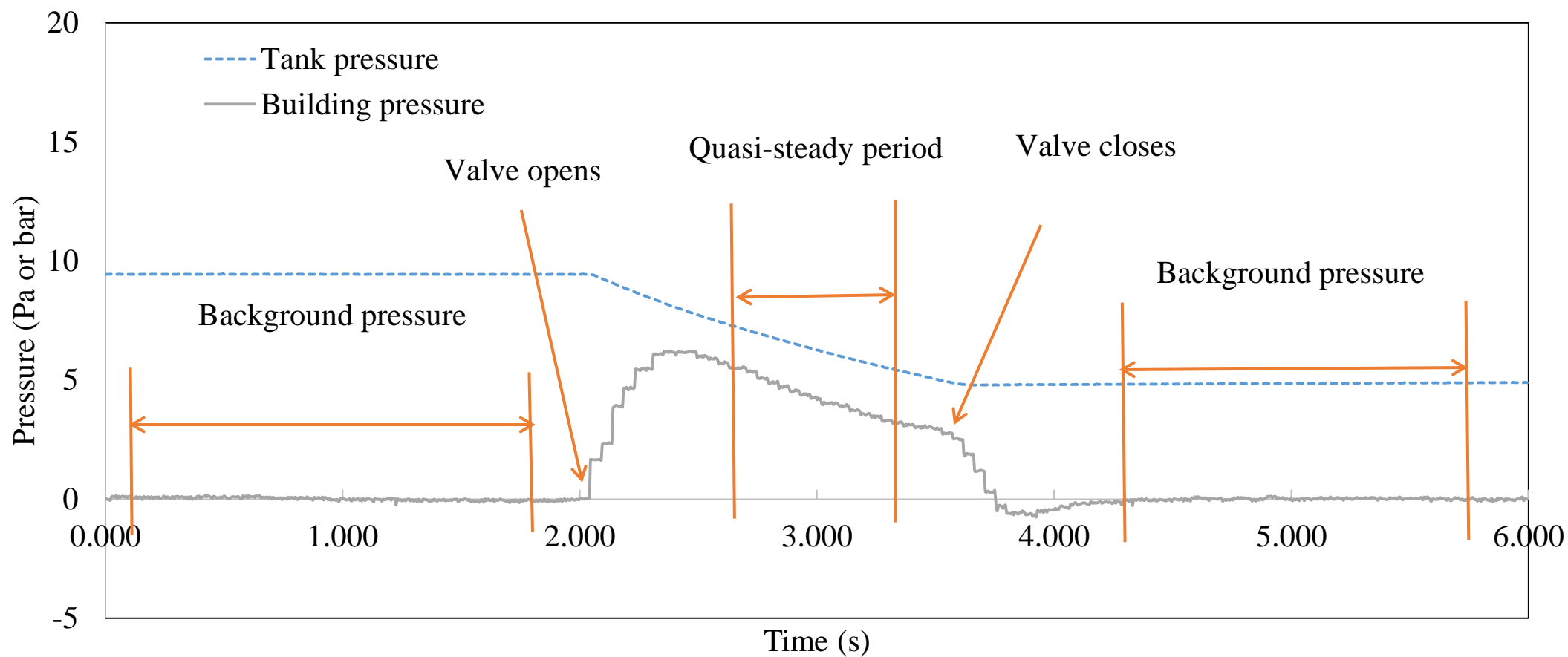
The low pressure Pulse technique



The pulse technique measures the building airtightness at low pressures by releasing a known volume of air into the test building over 1.5 seconds from an air tank to create an instant pressure rise within the test building and reach a “quasi-steady” flow, where the pressure variations in the building and tank are monitored and used for establishing a correlation between leakage and pressure.



The low pressure Pulse technique



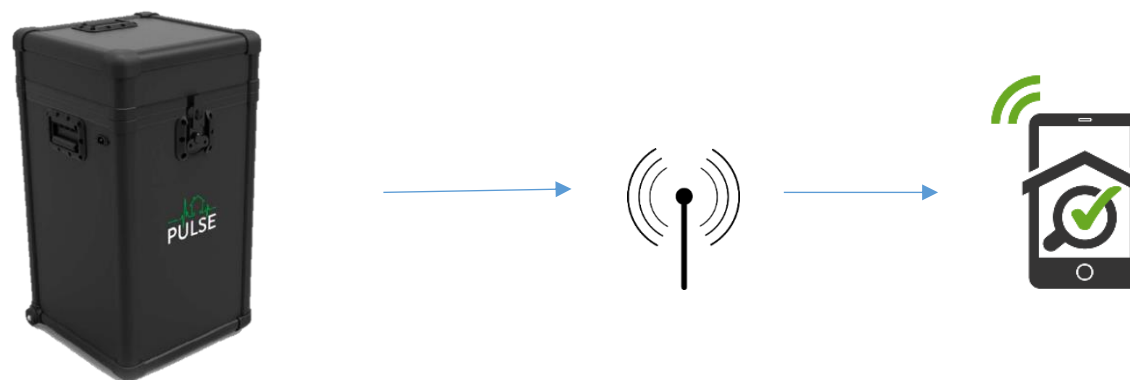


The low pressure Pulse technique





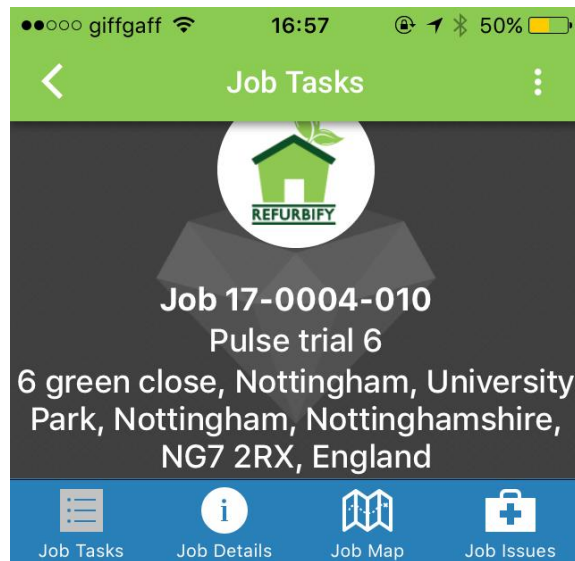
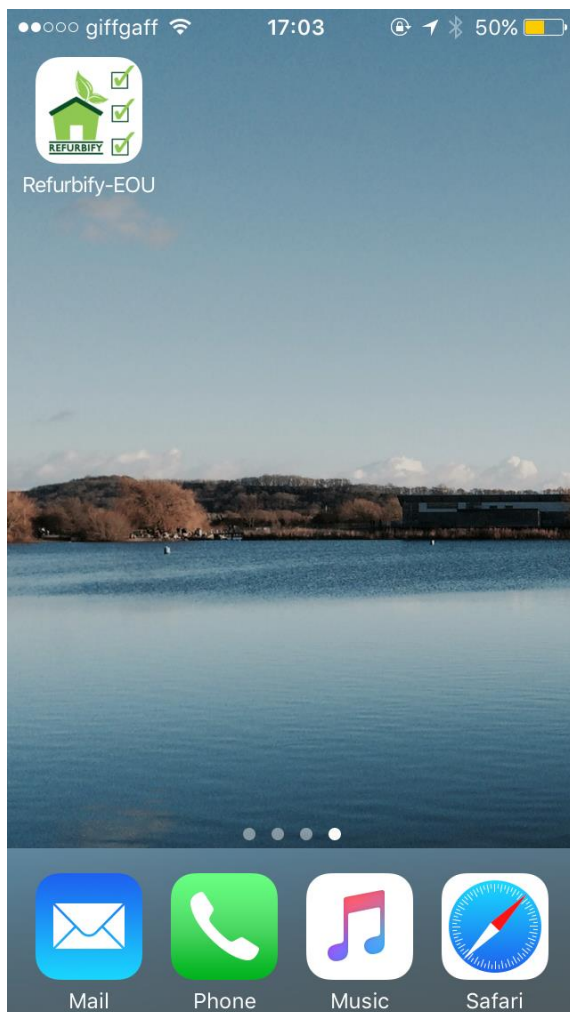
EU H2020 Project



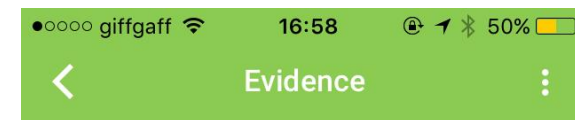
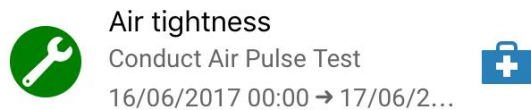




Task received



Job Tasks



Pulse Test Details

▶ Calculation Region
UK

⊞ Envelope Area
295 m²

⊞ Internal Volume
290 m³

ⓘ Help Guide

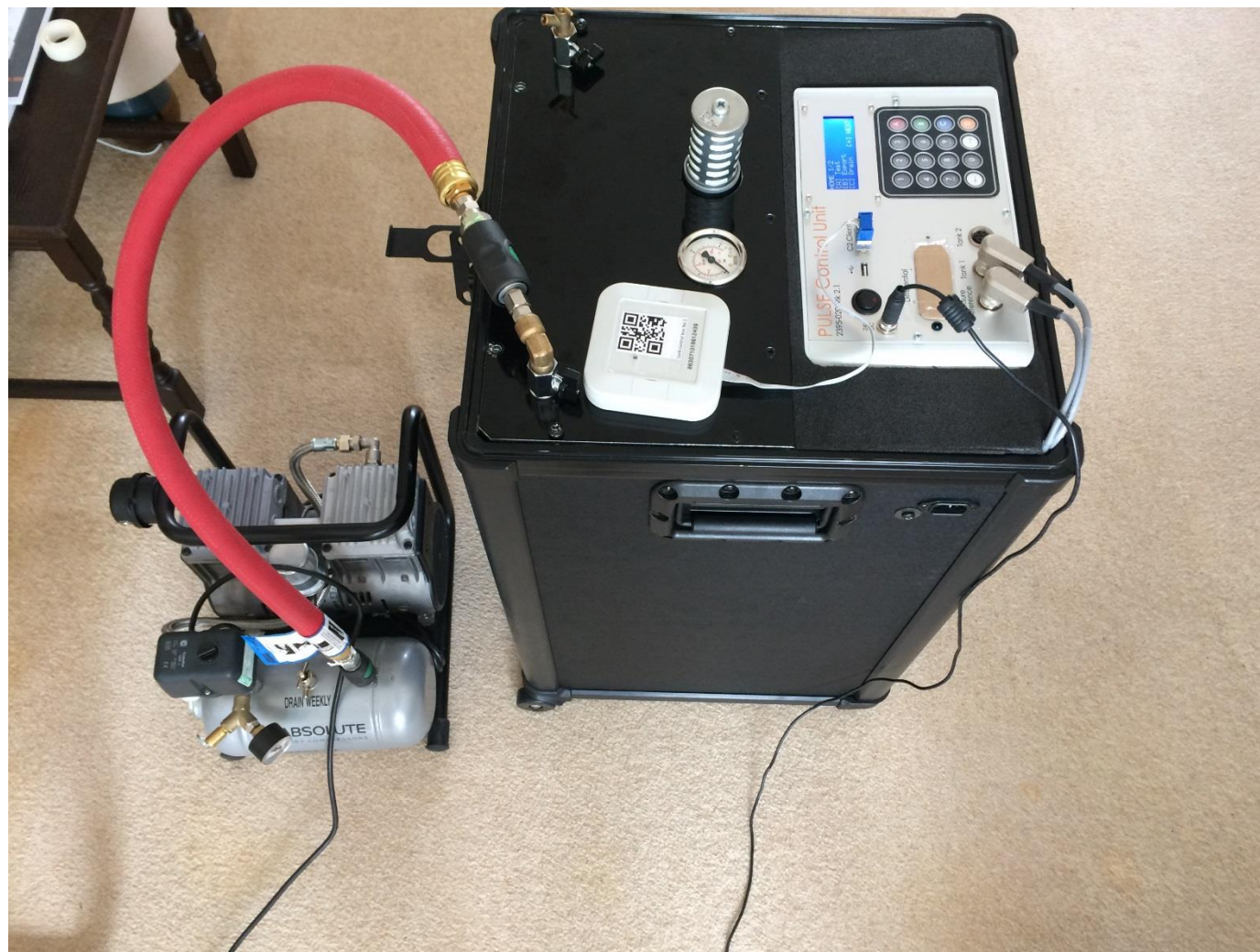
📺 Setup Video

📄 Onsite Guidance

IMEI
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Performing test





Report test

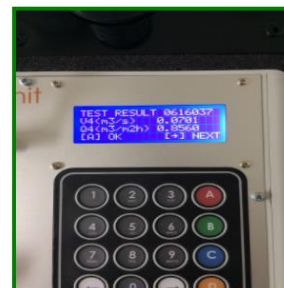


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Evidence

+ Pre Test Setup

— Post Test Setup





Audit and management

