







Retrofit quick start guide

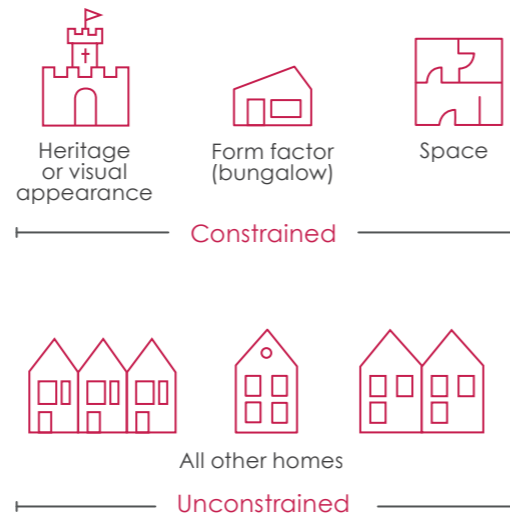
1 Use the six key principles for best practice retrofit

-  **Principle 1:** Reduce energy consumption
-  **Principle 2:** Prioritise occupant and building health
-  **Principle 3:** Have a whole building Retrofit Plan
-  **Principle 4:** Measure the performance
-  **Principle 5:** Think big!
-  **Principle 6:** Consider impact on embodied carbon

 **SIGNPOST** Chapter 2 - What is retrofit?

2 Tailor the retrofit to the property type

Determine whether the home is constrained or unconstrained:

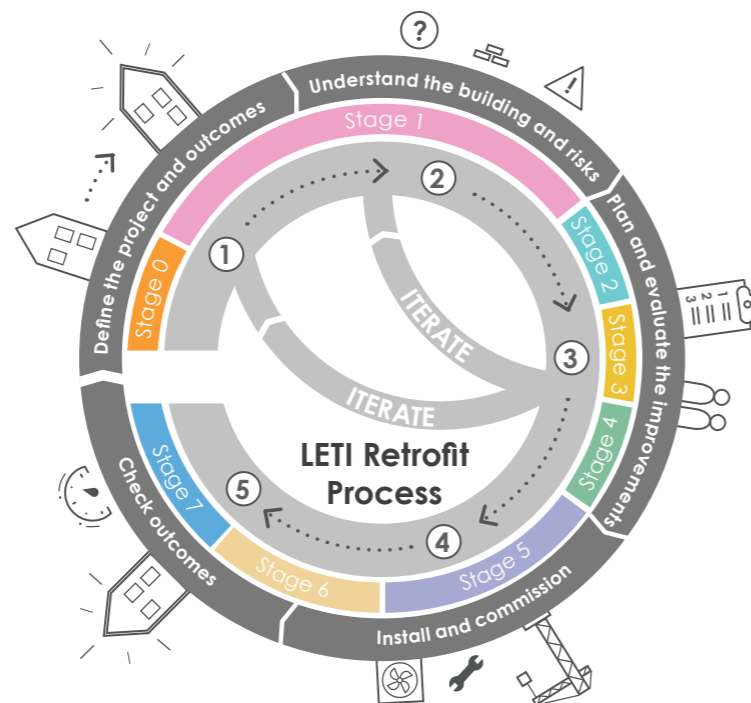


3 Make a whole house Retrofit Plan and follow the LETI Retrofit Process

 **The whole house Retrofit Plan must:**

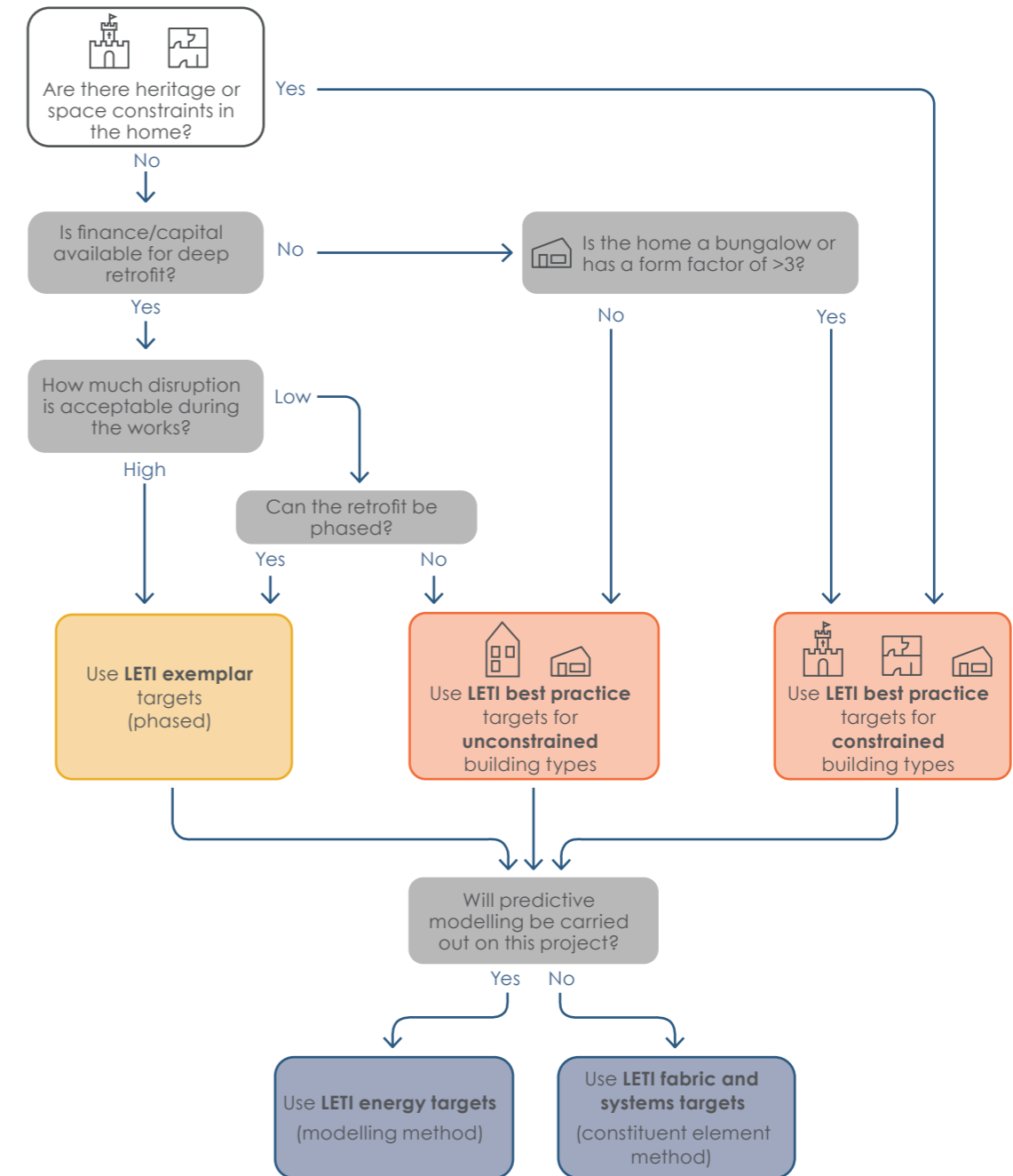
- Set out key building information, constraints, risks, and opportunities.
- Set out the key works proposed along with related strategies and details.
- Set out the sequence of work.
- Be appropriate in its level of detail and intervention for the project.
- Include a plan for monitoring and reporting energy consumption.
- Stay with the building.

 **SIGNPOST** Chapter 5 - How do we do it?



4 Use the flow chart to determine the appropriate LETI target and approach

The following flowchart sets out how to decide on the appropriate retrofit target for the project:



Notes:

- If there are heritage or significant space constraints in the home, still try to reduce the space heating demand, hot water demand and Energy Use Intensity (EUI) as much as possible. Use the U-values recommended for the unconstrained retrofit wherever possible.
- For any retrofit - independent quality assurance (QA) process is recommended for example for LETI exemplar use EnerPHit. Requirements for EnerPHit depend on the UK region, if following EnerPHit check the full requirements at the start of the project.

 **SIGNPOST** Chapter 4 - LETI home retrofit targets - 4.4 Using retrofit standards and guidance

 **SIGNPOST** Chapter 3 - Where are we now and what can we achieve? - 3.2 Form factor