Green Renovation

- Holistic approach
- Insulation, insulation, insulation
- Having a plan
Typical 1930's housing stock, solid wall construction
Different insulation solutions to suit the situation
Argon filled, low-e double glazing more efficient than these walls.
Aluminium framed windows present a more serious cold bridging problem.
Take advantage of disrepair to add insulation

Practicalities of installing internal insulation
Insulation, Insulation, Insulation
Time for an efficient boiler.
Drafts and ventilation are a major source of heat loss. Insulate under suspended floors.
Extend sills and waste pipes when insulating externally
Importance of materials

- Local
- Natural
- Low embodied carbon
- Breathability
- Cost
- Performance
- Site specific restrictions
Incorporate as part of larger project
Thanks for listening and good luck with your project.