













- Retrofit cycle in Parisian region: 6 years
- Mainly energy recovery and landfill















Diagnosis / Demounting / Sorting

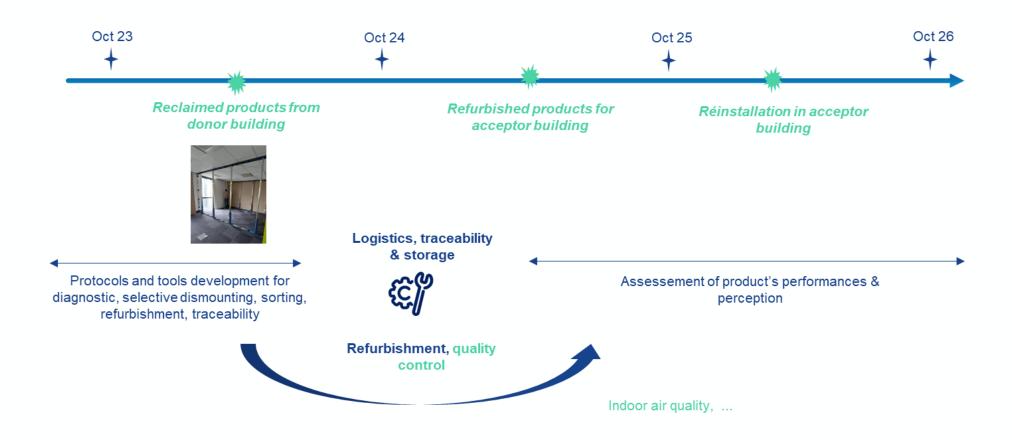
Refurbishment & Quality control

Installation















1. Onsite diagnosis Avoid unuseful dismounting

2. Selective dismouting

3. Sorting (diagnosis again) 3. Packing and transport

4. Refurbishment & quality check

5. Packing and transport

6. Reinstallation

Balance between speed and quality



Balance between steps and quality



Assessment of performances

Traceability (tagging tools, relevant data selection, IT solutions...)

Studies: Social acceptance, LCA, LCC







- 1. Identify actual standards for new brand products
- 2. Elaborate sampling's rules
- 3. Elaborate quality control protocols
- 4. Run tests
- 5. Compare results with standards
- 6. Reuse product compliance with standards
- 7. Assessement of product's performances & perception































Facing similar challenges: Insurance, Certification, Business model, Traceability, LCA multiple life cycle

Need learning experiences to progress





