

Acciona Ombú

Madrid, 2022

Office
19,500 m²

Retain

Adaptive reuse of a historic industrial building, with embodied carbon savings of 30% in the façade 50% in structure, compared to a typical office.

Reduce

A significant reduction in material use with 10,000 tons of bricks retained. Use of mass timber for the new floor frame structure, sequestering up to 1640 TCO₂e.

Resilience

A demountable timber frame, together with flexible, healthy and comfortable spaces and on-site renewable energy provides resilience for the future.



Copenhagen Towers

Copenhagen, 2015

Mixed Use
18,348 m²

Reuse

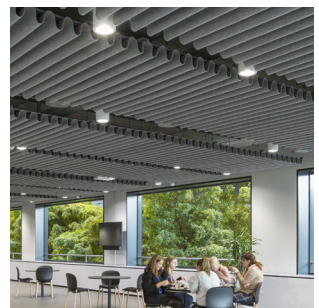
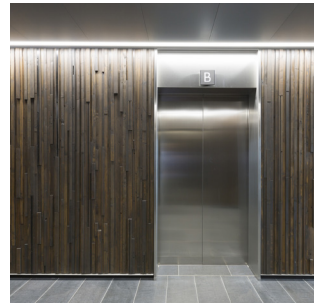
Engagement of Danish upcycling consultants Lendager Group resulted in the innovative reuse of timber window frames, boat sails, PET felt sheeting and more for internal finishes.

Recycle

Use of locally available demolition rubble for in-situ concrete.

Resilience

Flexible and collaborative spaces, passive environmental design and innovative on-site renewable energy.



Creative District

Riyadh

Retain

Retention of existing industrial warehouse superstructures and ground slabs.

Reclaim

Innovative on-site repurposing of demolition material in a variety of new wall assemblies.

Reduce

New resource use reduced by up to 80% through decisive on-site reuse and recycling.

Resilience

Repurposed elements are designed to be modular and demountable at a building and component scale.

