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Application of Building Design Strategies to Create an Environmentally Friendly Building Envelope for Nearly Zero-Energy Buildings in the Central European Climate

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Highlights

- The oldest existing curtain wall systems are becoming obsolete and energy inefficient.
- The building design strategies for reduction of the embodied primary energy and embodied emissions of greenhouse gases can be applied to new designs of curtain walls.
- The desired technical qualities of a new environmentally efficient design of new curtain walls were tested and proved.
- A major reduction in primary energy and greenhouse gas emissions were reached in both operational and embodied parameters.

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