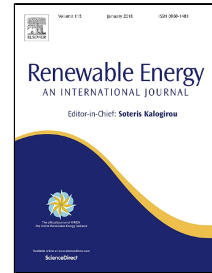


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Technical and economic evaluation of thin-film CdTe building-integrated photovoltaics (BIPV) replacing façade and rooftop materials in office buildings in a warm and sunny climate



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Highlights

- Technical/economic analyses of a BIPV office building in six Brazilian cities;
- Energy consumption (EnergyPlus) and PV generation (PVSyst) simulation analysis;
- Economic feasibility of replacing traditional faade materials with PV modules;
- Energy demand fully met by BIPV system proposed in all Brazilian cities evaluated;
- Replacing conventional faade materials with PV modules makes economic sense.

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