CT-BU-002 — Building Energy Retrofit

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Description

Technologies and strategies for improving energy performance of existing buildings. Includes envelope upgrades (insulation, glazing), HVAC system replacement, lighting retrofits, building energy management systems (BEMS), and deep energy retrofits targeting 50%+ energy reduction.

Colombia Context

Colombia's PROURE program (Programa de Uso Racional y Eficiente de Energía) provides the national framework for building energy efficiency, including incentives for retrofit projects. The urban building stock in major cities — Bogotá, Medellín, Cali, Barranquilla — presents significant retrofit potential, with most commercial buildings constructed before energy efficiency codes existed. Colombia's NDC 2030 buildings target implies substantial retrofit activity will be needed to meet sectoral emissions reductions. UPME (Unidad de Planeación Minero-Energética) publishes building energy benchmarks used to prioritize retrofit candidates.

EUDR Relevance

This node has no direct EUDR commodity relevance.

CTH Data Coverage

Not currently covered by CLP or Sustenttia. Building energy retrofit ventures are a potential fit for REIN Hub acceleration, particularly ESCOs (Energy Service Companies) operating in Colombian commercial real estate markets.

Green Finance Alignment

Strong green finance alignment. TVC explicitly includes building renovation for energy efficiency under the Construcción sector. CBI criteria cover building energy performance improvements with measurable energy savings. EU Taxonomy Activity 7.2 (Renovation of existing buildings) requires at least 30% primary energy demand reduction. Deep retrofits exceeding 60% savings qualify for enhanced green bond terms under CBI.


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