

ACQUA MARINE

Cabo de Santo Agostinho, Brazil | Final EDGE Certification | March 2021

Developer: Iron House | EDGE Expert: Daniela Corcuera

EDGE Auditor: Gustavo Goldman



Acqua Marine is a residential project in Reserva do Paiva, the first planned destination in the Metropolitan Region of Recife, Pernambuco, Brazil. Residents enjoy Reserva do Paiva's impressive location, sitting on 530 hectares and offering views of the surrounding forest, rivers and seas.

Acqua Marine's 48 four-bedroom units were designed to reduce their environmental impact and lower utility costs for residents. Reflective paint, energy-saving lighting, external shading devices, low-flow plumbing fixtures and a rainwater harvesting system contribute to the units' energy and water savings. Iron House, the developer of the project, is committed to the sustainable development of the cities in which it operates. Acqua Marine has received final EDGE certification from GBCI.

Size 8,354 m ²
Certified Units 48
People Impacted 240
CO₂ Savings 32.7 tCO ₂ /Year



23% ENERGY SAVINGS

Reduced window-to-wall ratio, reflective paint and tiles for the roof and external walls, external shading devices, roof insulation, energy-saving lighting in internal and external spaces and lighting controls for corridors and staircases.



31% WATER SAVINGS

Low-flow faucets and showerheads, dual flush water closets and rainwater harvesting system.



62% LESS EMBODIED ENERGY IN MATERIALS

In-situ waffle concrete for the floor and roof construction and medium-weight hollow concrete blocks for internal and external walls.