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.

### 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.

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**Size**
8,354 m²

**Certified Units**
48

**People Impacted**
240

**CO₂ Savings**
32.7 tCO₂/Year

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EDGE, an innovation of International Finance Corporation (IFC), is a green building certification system focused on making buildings more resource-efficient. It empowers developers to quickly identify the most cost-effective ways to reduce their building’s energy use, water use and embodied energy in materials. Green Business Certification Inc. (GBCI) administers EDGE certification in most countries around the world. Learn more at [edge.gbc.io](http://edge.gbc.io).