UNIVERSIDAD DEL MEDIO AMBIENTE

Valle De Bravo, Mexico | Final EDGE Certification | March 2019
Developer: UMA | **EDGE Experts:** Alumnos UMA
EDGE Auditor: David Domínguez Muñoz

Excellence In Design For Greater Efficiencies
Edge ADVANCED

The Universidad del Medio Ambiente (UMA), located two hours from Mexico City, offers master's degrees, workshops, diploma courses and consulting services focused on sustainability and socio-environmental regeneration. UMA believes that each student will become an agent of change, both through personal transformation and their future career in sustainability.

The UMA campus is completely regenerative, producing zero wastewater, growing its own food and is surrounded by a growing, edible forest. The university has also implemented green features that conserve natural resources and demonstrate sustainability solutions to students and visitors alike. UMA produces only 1.86 tCO_2/year. UMA has achieved final EDGE certification from GBCI. The certification process was facilitated by a team of seven student practitioners during a university course.

Size
532 m^2

Certified Buildings
3

People Impacted
166

CO_2 Savings
23.7
tCO_2/Year

53% ENERGY SAVINGS

Reduced window to wall ratio, reflective paint/tiles for walls, external shading devices, insulated roofing and external walls, natural ventilation for classrooms, energy-saving lighting, solar hot water collectors and solar photovoltaics. The design also includes extensive use of natural lighting. These measures are projected to save 53% of the energy that a conventional campus would require.

89% WATER SAVINGS

Water-efficient single flush water closets, water-efficient urinals and faucets, a rainwater harvesting system, water-efficient landscaping and a blackwater treatment and recycling system help reduce water use by nearly 90% as compared to a conventional campus.

68% LESS EMBODIED ENERGY IN MATERIALS

Asphalt shingles and clay roofing on timber rafters for roof construction, timber weatherboard on timber studs for external walls, compressed stabilized earth blocks for internal and external walls, timber window frames, interlocking compressed stabilized earth blocks for walls, and recycled materials help reduce this project's impact on the environment.

GBCI

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 over 140 countries around the world and is the exclusive certification provider for all EDGE buildings in India. Learn more at edge.gbci.org.