Xtreme Drone Circuit (XDC) Sustainability

In it's inaugural year, XDC is working with both Alternative Power Productions (APP) and Carbon Trade Exchange (CTX) to help reduce its carbon footprint through the use of solar powered production and carbon offsets.

The XDC will be utilizing APP's Solar Powered Hybrid Trailer, which integrates a 2.5-kilowatt solar array, which supplies sunlight to (2) 500 Ah batteries. The array powers multiple Systems Inverters pumping 175 amps of power at 240 Volts. The trailer will power elements of the production including an LED Video Wall, sound, ambient lighting and a drone recharging station.

CTX, a global exchange focused on environmental commodity markets, has proudly offset the Xtreme Drone Circuit event. Following a review of the Western Hotel's electricity consumption, we calculated their emissions to be 89.1t co2e. This is equivalent to taking 19 cars off the road for one year or not driving your car 214,286 miles!

The project selected to offset the event's emissions are from the CIKEL REDD+ project in Brazil, which is aimed at conservation efforts and has huge impacts for the local and global environment. Outside the obvious emissions reductions from avoiding planned deforestation, this project has immense biodiversity assets and endangered species housed within the project.

About Alternative Power Productions

Alternative Power Productions (APP) delivers environmentally friendly concerts by utilizing natural energy resources like the sun combined with years of production experience. The APP solar powered stages, trailers and sound systems give both event producers and performers an opportunity to educate the community about the benefits of renewable energy while delivering a concert with state of the art sound quality.

About Carbon Trade Exchange

CTX operates spot exchange in multiple markets including emissions, voluntary carbon, renewable energy and water. With a vision to bring greater liquidity and transparency to the global markets, CTX links market participants around the world to facilitate the secure trading of products. For further information, please visit our website www.ctxglobal.com.

"Offsetting 89.1tCO2e is equivalent to taking 19 cars off the road for one year"
"Offsetting 89.1tCO2e is equivalent to not driving your car 214,286 miles"

CIKEL AMAZON REDD+ IN BRAZIL

Facts

Location: Paragominas Municipality, Pará State, Brazil
Project type: Reduced Emissions from Deforestation and Degradation (REDD+)
Project standard: Verified Carbon Standard
Project partner: CKBV Florestal Ltda
Validator: Rainforest Alliance, Inc.
Verifier: Rainforest Alliance, Inc.
Total emission reductions: 9,000,000 tCO2e p.a. over its 20 year lifetime

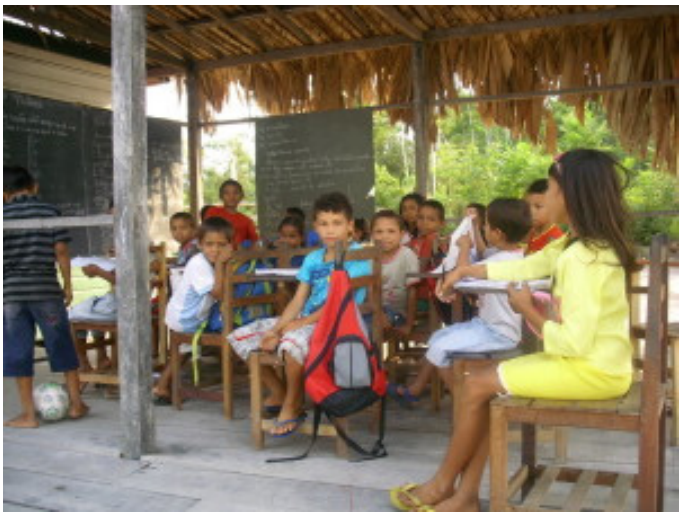
Details

Brazil has more than 470 million hectares of forest, covering 60.14% of the whole territory and putting the country in second place among the nations with the largest area of forest in the world.

However, Brazil was also previously the country with the highest levels of forest loss, having 3,090,000 ha deforested between 2000 and 2005. The expansion of agriculture and livestock has had great contribution to this high rate of deforestation, which is concentrated in the northern part of the country, where the Amazon is located.

In February 2008, the Brazilian government announced that the rate at which the Amazon rainforest was being destroyed had been accelerating noticeably. The Amazon rainforest continues to shrink, though the rate of deforestation has been slowing in recent years. 2012 had the slowest rate since records began, however the rate increased again in 2013.

With such large rates of deforestation, the Verified Carbon Standard (VCS) and its REDD+ protocol is pinnacle to encourage change and provide alternate revenue streams to other land activities. The Cikel Amazon REDD+ project is a perfect example of this.



Sustainability Benefits

The project which is aimed at conservation efforts has huge impacts for the local and global environment. Outside of the obvious emissions reductions from avoiding planned deforestation the project has immense biodiversity assets and endangered species housed within the project including:

- The Ka'apori Monkey
- The Brazilian Giant Otter
- The Golden Parakeet

Technology Brief: How it works

The CIKEL Brazilian Amazon REDD+ Project aims to avoid emissions from planned deforestation on a property in Paragominas Municipality, Para state, Brazil.

The core focus of the Project is the cancelation of the planned deforestation activities and decision to instead conserve the forest area and continue limited forest management activities in the area under the Forest Stewardship Council.