

International Climate Initiative

Climate Partnerships with the Private Sector: e-Mobility in Peru

The awareness of the consequences of climate change has risen sharply in Peru on the state level as well as among the general population. In 2008, Peru established the first environmental ministry with German support. The measures to mitigate climate change include, for example, the establishment of new areas of environmental protection and the adoption of new laws on afforestation. In the transport sector, however, hardly any significant climate protection initiatives have been initiated so far.

Since the 1980s, so-called mototaxis are very popular in Peru. The three-wheeled vehicles serve as cargo and passenger taxi and quickly became widespread, especially in cities like Iquitos, Pucallpa and Puerto Maldonado. In the city of Pucallpa, where the project will be implemented, there are currently around 52,000 mototaxis with combustion engines. There are presently no alternatives, such as electrically powered mototaxis, and no companies that manufacture or offer electrical drive components. Special political / legal conditions do not yet exist due to the absence of the market, and electrically driven vehicles are therefore subject to the same regulation as vehicles with internal combustion engines.

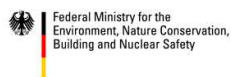
The aim of the project which is financed by the International Climate Protection Initiative of the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) is the production and commercialization of electrical mototaxis. Thereby, the pollutant emissions in the automotive sector in Peru shall be reduced in the long-term. As part of the project, six vehicles equipped with a 6kW engine will be built and a rental and charging concept will be validated. The vehicles will be used during demonstration and testing periods to go into commercial operation. The project will be implemented by GEM MOTORS d.o.o. and Ecoenergy S.A.C., Peru.

The project is divided into three main components:

- I) Adaption of the electrical mototaxis to the local conditions
- (li) Capacity building and charging facilities at Ecoenergy
- (lii) Validation of the operator model

Country:	Peru
Implementation:	DEG - Deutsche Investitions- und Entwicklungsgesellschaft mbH, Cologne
Private sector partner:	GEM Motors d.o.o. Ecoenergy S.A.C.
Total project costs:	469,940 €
BMUB-funding:	196,071 €
Project duration:	12/2016 – 11/2018

Supported by:



based on a decision of the German Bundestag

INTERNATIONAL CLIMATE INITIATIVE (IKI)



KFW DEG