

FACTSHEET PASIG



Demonstration City | Pasig - Philippines

The City of Pasig is a highly urbanized city within the heart of Metro Manila, Philippines. It has a population of 755 thousand which is about 5% of the total population of Metro Manila, according to the 2015 National Census. Its land area covers 34.32 sq. km. which is comprised of 30 barangays – smallest administrative division in the Philippines. The calculated urban population density is 22,008 inhabitants per sq.km (Pasig City, 2019).

Shared Use of E-cargo Quadricycles

The demonstration in Pasig will focus on integrated and shared urban logistics solutions, as well as investigate the potential for public charging solutions. The activities on-the-ground will also include those that aim at improving the enabling conditions for e-mobility, and enhancing local capacities related to e-mobility. The quadricycle will also be designed to have a base that can carry different types of cargo, and can be utilized to fit a cargo box that can be transferred into other, larger vehicles.

The SOL+ project will support local SME/s that will be selected to design and produce the quadricycle/s. The design process will take into consideration the needs of the primary intended users, and will utilize a combination of European (e.g. Valeo motor), regional, and local components. The vehicles will also be equipped with appropriate sensors that can provide vital information needed for assessing the performance of the vehicles (e.g. for recording geo-spatial information, battery and motor performance, among others). Digital solutions that would help the fleet owner (e.g. PHLPost) will be developed as well.

Flexible Electric Van

SOL+ will also be supporting a proposal being led by the De Lasalle University to a funding mechanism of the Department of Science and Technology to develop a “flexible electric van” (FLEV proposal) which features a chassis that can be used for multiple purposes (e.g. passenger/ cargo). Essentially, the vision is to make the FLEV also compatible for handling the cargo boxes to be used in the SOL+ quadricycles. SOL+ can provide a couple of units of the Valeo motors to the FLEV proposal. SOL+ (through the city equipment budget) can also purchase a unit of the FLEV for the use of PHLPost, which can replace one of their dilapidated minivans.



Activities

- Technical assistance to develop necessary local ordinances
- Capacity building/ training
- Development of smart service app and GPS and controlling center (MaaS App)



Fact and figures

- Net importer of fossil fuel
- National Policies favouring EVs
- Pasig city implemented several sustainable transport initiatives.

Demonstration actions		
	E-cargo Quadricycles and Flexible Electric Van	MaaS App