

SOLUTIONSplus:

Demonstration for Transformation: Sustainable Urban Freight in Pasig City, Philippines

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EcoLogistics Cities: Front Runners in Sustainable Urban Freight Cities
Autonomy Digital





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Joint Global e-Mobility Platform



● SOL+ Demonstrations

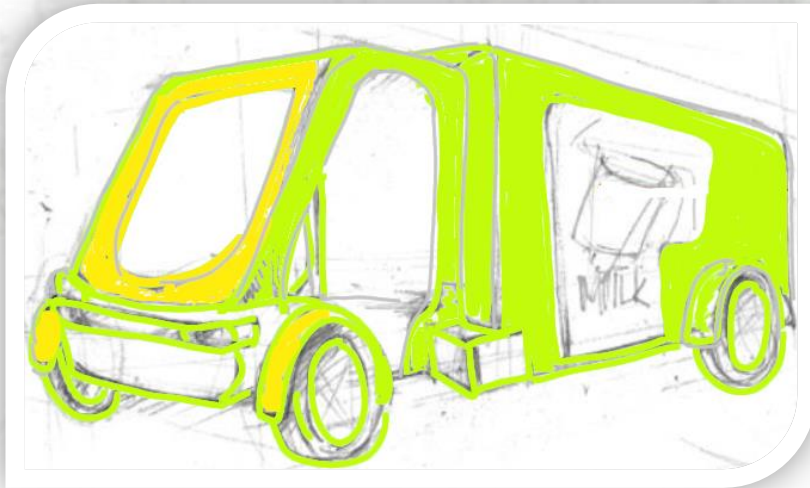


SOLUTIONS PLUS Pilot in Pasig City

- OUTCOME 1. Availability high quality e-mobility innovations is increased and integrated.
- OUTCOME 2. Conditions for enabling accelerated e-mobility uptake and integration are improved.
- OUTCOME 3. Local capacities relating to e-mobility are enhanced.



SOLUTIONS PLUS Pilot in Pasig City : Flexible E-Quad



Interchangeable
platform /
multiple
applications

Informatics
support
systems

User needs to
feed into final
design and
specifications

Battery
swapping
integration

The SOL+ demonstration in Pasig aims to test these technological solutions within the wider socio-technical landscape

SOLUTIONS PLUS Pilot in Pasig City : Living Lab Approach

Technological solutions

- Locally-designed and assembled e-vehicle and charging solutions
- Based on user needs (operational and tactical); and wider goals of the stakeholders (strategic)

Integration Components

- Multi-purpose vehicle enables its usage in other applications : particularly point-to-point on-demand transportation
- Integration to operations of partners : user needs assessment; use of information-aided systems
- Capacity building

Business Models

- Systemic approach towards viewing the technological solutions that consider business model elements
- Direct engagement of local innovators, and partner entities at the local level

Scale Up

- Policy recommendations based on learnings from the demonstration
- Pre-feasibility analysis of scaling up scenarios
- Financing and funding strategies

Key Messages

- Situating such demonstration as a microcosm of the wider socio-technical systems is something to strive for to recognize the importance of different actors at different levels (including the private sector)
- Demonstrating benefits + capturing and articulating relevant challenges (e.g. through user needs assessment) and turning them into opportunities can accelerate the sustainable urban freight agenda
- Experiences and solutions from different parts of the globe can potentially work in emerging economies provided that these should be assessed for their appropriateness in specific contexts & tailored accordingly
- Overarching guidance, policies and regulations from national governments is crucial in enabling and accelerating the sustainable urban freight agenda at the local level (e.g. fiscal and non-fiscal incentives; national standards; urban freight-inclusive national frameworks)

Thank you very much!

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