

Webinar on carbon finance facilitation in e-mobility in Philippines

Making e-Mobility Profitable with Carbon Credits

Agenda:

Time	Program	Presenter
10:00 – 10:05	Welcome Remarks	Enya Grütter Communications Manager (ZeroCa)
10:05 - 10:30	Program Presentation	Guillaume Remy Co-Founder and Director (ZeroCa)
10:30 – 11:00	Q&A	



Carbon Credits 2.0

- The Paris agreement includes a new system of carbon credits called ITMOs (Internationally Transferred Mitigation Outcomes)
- This allows for transfer of emission reductions between countries
- Different from the voluntary market in terms of price, procedures, and the credibility of offsets



Carbon Credits E-Mobility

- Can make investments in e-mobility more profitable
- In most cases it will not pay for the total additional cost
- It is results-based and not upfront finance
- You receive payments for 5-10 years



Electric Buses



- Urban or inter-urban buses of all sizes
- Needs to be fully electric (no hybrids)

Electric Trucks



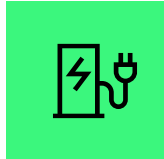
- Delivery trucks or long-haul trucks of all sizes
- Only battery-electric trucks

Electric Motorcycles and 3-Wheelers



- Motorcycles or 3-wheelers for ride- hailing or rent
- Motorcycles or 3-wheelers for delivery
- Private units can also be included

Public Charging Infrastructure



- Public chargers for passenger cars of all power gradings
- Chargers for captive fleets (buses, trucks, taxis, delivery vehicles)
- Impact measurement based on electricity sold at chargers

Per kWh of electricity sold at a charger you could get 1.5-2.0 USD cents from carbon credits

This example serve as a 'worked' illustration of potential ITMO carbon credit net revenue only and is provided "as is". It is based on assumptions concerning average technical and operational characteristics of different vehicles, energy systems, macroeconomic environments and market circumstances. Zeroca assumes no responsibility or liability for any error or omission herein and actual parameters and outcomes may differ from case to case. As such no rights, claims or liabilities can be derived from this example. No representations to third parties should be made based on this example. Contact Zeroca directly for a further tailored assessment of your potential.

Electric Vehicles for Mining Companies



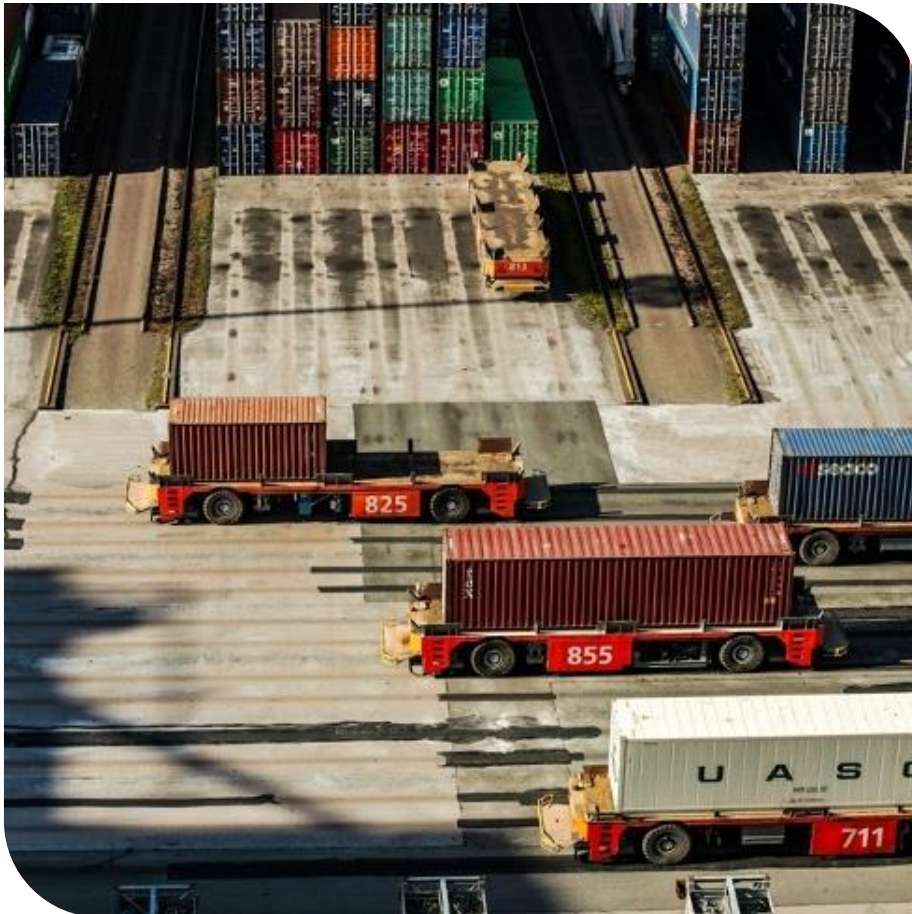
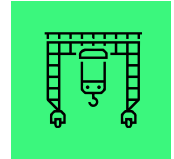
- Trucks
- Dumpers
- Mobile machinery
- Pick-ups
- Buses for staff transport

The amount of carbon credits and payment depends on type/size of equipment and usage rates

All payments for carbon credits are made without your company investing 1 cent and with zero risk

This example serve as a 'worked' illustration of potential ITMO carbon credit net revenue only and is provided "as is". It is based on assumptions concerning average technical and operational characteristics of different vehicles, energy systems, macroeconomic environments and market circumstances. Zeroca assumes no responsibility or liability for any error or omission herein and actual parameters and outcomes may differ from case to case. As such no rights, claims or liabilities can be derived from this example. No representations to third parties should be made based on this example. Contact Zeroca directly for a further tailored assessment of your potential.

Electric Cargo/Container Handling Equipment



- Reachstackers
- Tractor-trailers
- Straddle carriers
- Cranes

The amount of carbon credits and payment depends on type/size of equipment and usage rates

In very intensive port operations carbon credits will soon be sufficient to make the conversion to electric financially profitable

This example serve as a 'worked' illustration of potential ITMO carbon credit net revenue only and is provided "as is". It is based on assumptions concerning average technical and operational characteristics of different vehicles, energy systems, macroeconomic environments and market circumstances. Zeroca assumes no responsibility or liability for any error or omission herein and actual parameters and outcomes may differ from case to case. As such no rights, claims or liabilities can be derived from this example. No representations to third parties should be made based on this example. Contact Zeroca directly for a further tailored assessment of your potential.

Electric Ground Support Equipment for Airports



- Pushback tractors and boarding stairs
- Belt and container loaders
- Luggage tugs and carts
- Lavatory, water and fuel trucks
- Ground power units

The amount of carbon credits and payment depends on type/size of equipment and usage rates

Carbon credits can facilitate your transition to green airports

This example serve as a 'worked' illustration of potential ITMO carbon credit net revenue only and is provided "as is". It is based on assumptions concerning average technical and operational characteristics of different vehicles, energy systems, macroeconomic environments and market circumstances. Zeroca assumes no responsibility or liability for any error or omission herein and actual parameters and outcomes may differ from case to case. As such no rights, claims or liabilities can be derived from this example. No representations to third parties should be made based on this example. Contact Zeroca directly for a further tailored assessment of your potential.

Who can participate



-
- Operators of electric vehicle fleet such as buses, trucks, delivery vehicles, mining equipment, port and airport equipment, etc.
 - Charging point owners or operators
 - Electric vehicle manufacturers, importers and dealers
 - Leasing companies or owners of vehicle assets (e.g. buses) lent to operators

What is required

-
- To participate, clear ownership of the emission reduction is required
 - For charging points we mainly need electricity consumption
 - For vehicles we mainly need annual mileage and vehicle ID
 - **Only vehicles/assets purchased after contract signature can be included**

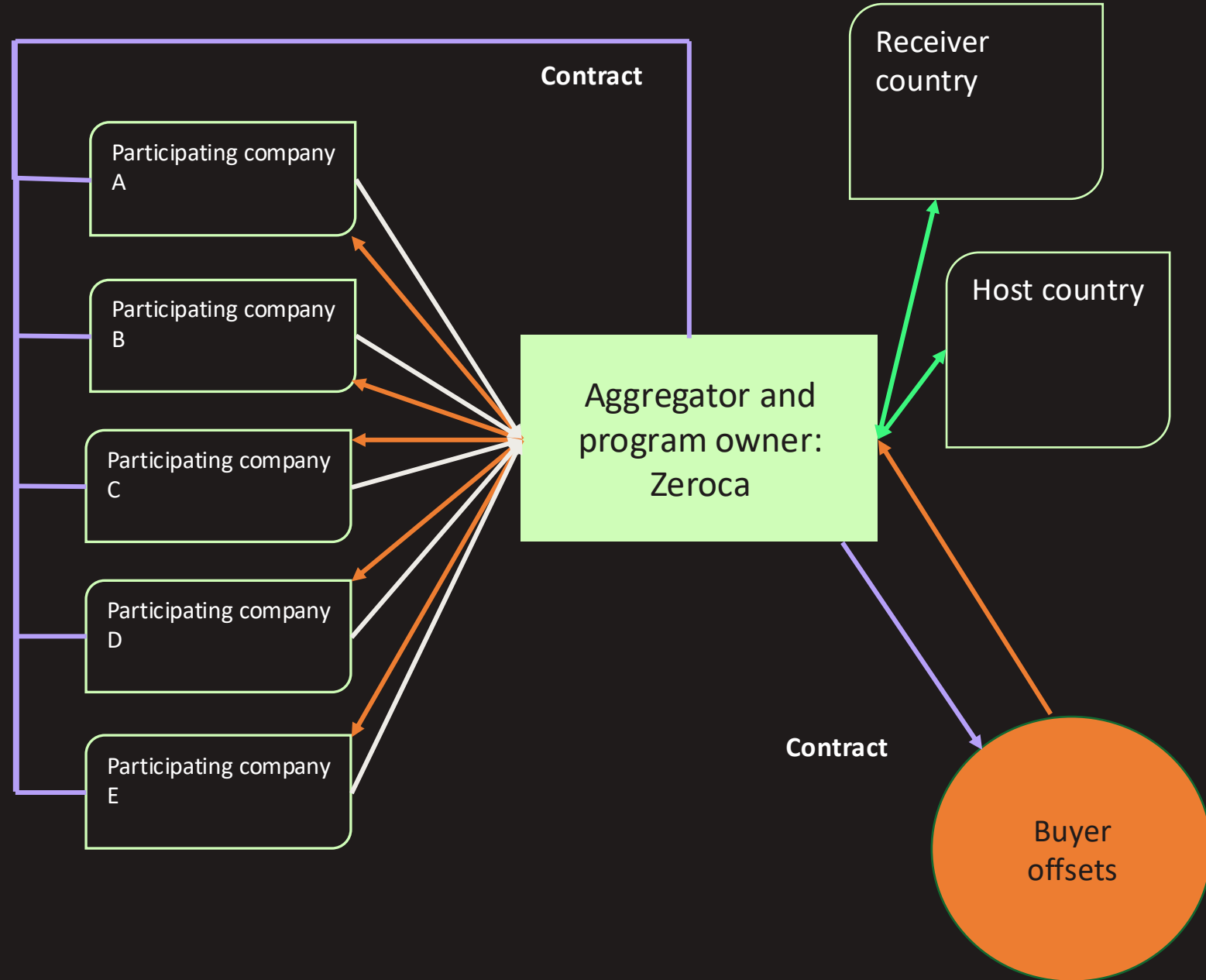




How is the program structured

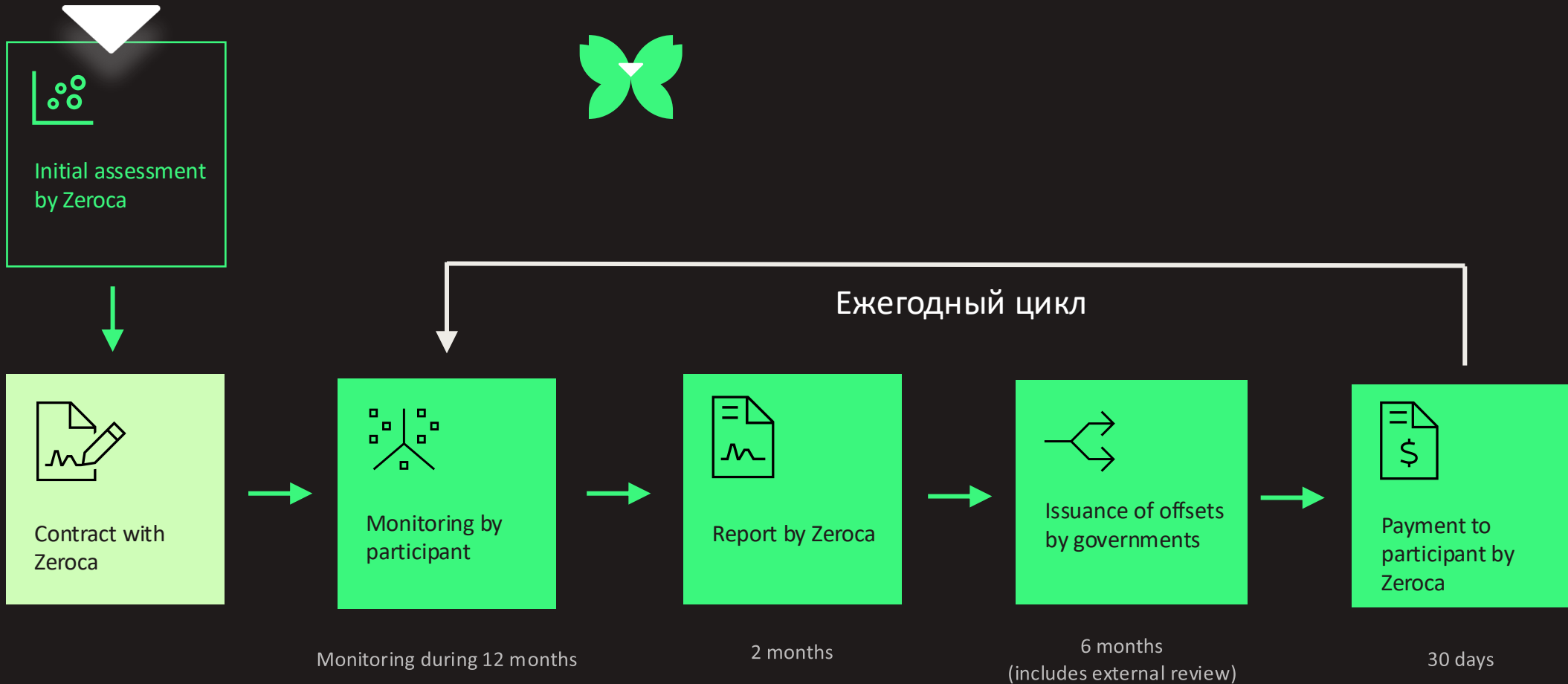


- Registration of program
- Monitoring data
- Payment for offsets





Timeline



Companies signing up before program registration get 5% higher share

Contract and Responsibilities



- Contract between Zeroca and your company as participant for a 10-year period whereby Zeroca:
 - Is program owner and owns all offset credits
 - Develops all documents and registers the program
 - Realises the monitoring reports and requests the issuance and transfer of carbon credits
 - Pays all development costs, external validation and verification fees
 - Pays upfront registry costs and fees of host country which are then deducted from gross proceeds
- The participant:
 - Invests in e-mobility / charging infrastructure
 - Has ownership of emission reductions and carbon credits and transfers these to Zeroca
 - Reports the requested monitoring data to Zeroca
 - Is available for verification checks
- **Benefit sharing: the participant and Zeroca share net proceeds (whereby the commission-on-success share of Zeroca depends on the project size)**
- Any eventual losses are carried by Zeroca
- Every participant pays the (national) taxes involved
- Participants may also explore the possibility of Zeroca supporting so-called multi-country **global partnerships** and/or **pre-financing** of proceeds.

Zerooca is a joint venture of two experienced advisory and investment boutiques

grütter
consulting

- >150 registered transport projects with carbon credits in 15 countries: we have >50% world market share
- We are the world's major developer of carbon credit methodologies for the transport sector
- We have transport projects registered at the UNFCCC, the VCS, the Gold Standard, the domestic markets of Canada, South Korea and Switzerland
- We have been working for more than 15 years as aggregator for carbon offset projects with over 120 companies and with more than 30 public transport operators
- We work in carbon offset projects in the transport sector since 1997 and are the company which has registered the first domestic as well as international projects in this area

www.grutterconsulting.com

REBEL

- We provide financial advice to public transport operators and authorities in Europe, America, Asia and Africa (bus, train, tram, LRT)
- We advise governments and development banks on e-mobility strategies and business models
- We structure the financing of rail, port, airport and mining projects around the world for governments and concessionaires
- Our 300+ Rebels have been directly involved in 200 infrastructure projects for a total transaction value exceeding EUR 40 billion
- We also act as developer and equity investor into infrastructure projects and e-mobility start-ups

www.rebelgroup.com

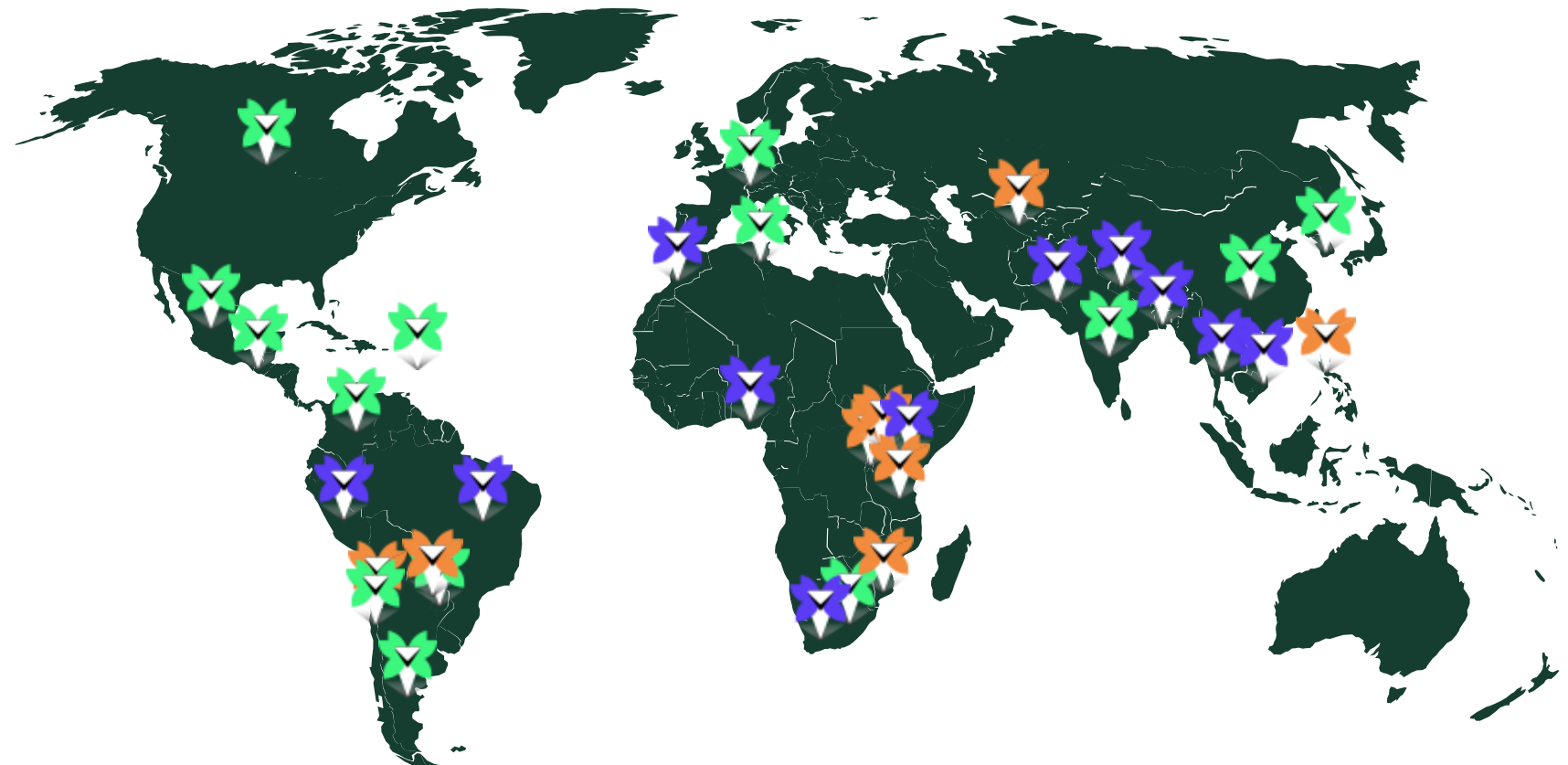


Our Joint Experience in E-Mobility

- Electric bus projects in 30+ countries worldwide including deployment of 40,000 electric buses in 20 cities of China
- Electric truck, van, passenger car, motorcycle, 3-wheeler and vessel projects in Asia, Africa, Europe and the Americas
- Charging infrastructure roadmaps and projects in 10+ countries
- Port electrification and terminal optimisation practice
- Trusted advisor to development partners, operators and banks



Our e-Mobility Programs with Carbon Credits



- Argentina
- Bangladesh
- Brazil
- Canada
- Chile
- China
- Colombia
- Dominica
- Guatemala
- India
- Kenya
- Mexico
- Morocco
- Mozambique
- Nepal
- Nigeria
- Pakistan
- Paraguay
- Peru
- Philippines
- Rwanda
- South Africa
- South Korea
- Switzerland
- Tanzania
- Thailand
- Tunisia
- Uganda
- Uzbekistan
- Vietnam

 Under development
  Under registration
  Registered

Questions?



www.zeroqa.world

Jürg Grütter

jurg.grutter@zeroqa.world

+41793768896

Guillaume Remy

guillaume.remy@zeroqa.world

+31624548531

Biloliddin Anzoriddinov

Biloliddin.ansoriddinov@zeroqa.world

Koen van Baekel

koen.vanbaekel@zeroqa.world

+31642123943