



Three Wheels United

Bangalore, India

**Presentation: Expert Group Meeting
on Sustainable Urban Transportation,
Rio De Janeiro, Brazil**

Date: 18th May, 2011



enviu

club foundation

Context,
international cooperation





About us

TWU is a Social enterprise focusing on the Indian Auto rickshaw ecosystem, with emphasis on the following:

1. Improving the quality of life of auto drivers
2. Reducing environmental degradation caused by auto rickshaws

My
Auto

Genesis – The Hybrid TukTuk Battle



- The Hybrid TukTuk Battle was organized by our technology partner Enviu to develop cleaner and more fuel-efficient auto rickshaws (<http://hybridtuktuk.com>)
- Involved 7 Universities – 4 from Netherlands and 3 from India
- Teams developed retro-fit kits for existing auto rickshaw engines
- The kit from the best team would be retrofitted on existing two and four stroke auto-rickshaws
- Kits expected to be market-ready by early 2012
- En-cash on carbon credits to subsidize cost of kits/pass on benefits to the driver



Winning Team	Lower Emission	Higher Mileage
HAN University (Netherlands)	NO-69%,HC-21%,CO-8%,particles-43%,CO2-37%	30-50%

Problem areas...



- Limited Earning Potential (Rs. 100 to 150 per day)
- No access to finance from Banks
- Exploited by Private Money Lenders
- No Social Security
- Low Self Esteem
- Noise and Air pollution



The Solution



Financial Services

- Financing Replacement of two stroke engines by four stroke engines
- Providing bank savings and recurring deposits accounts to drivers
- Life and Health Insurance

Additional revenues for drivers

- Advertisements in auto rickshaws
- SMS based application to generate rides for the drivers; customer calling drivers for pick-up

Technology Kits (early 2012)

- More fuel efficient and emission reducing kits
- Higher income for the driver and positive impact on environment

Auto Rickshaw Maintenance Fund

Auto Rickshaw Community Forum

Community Involvement

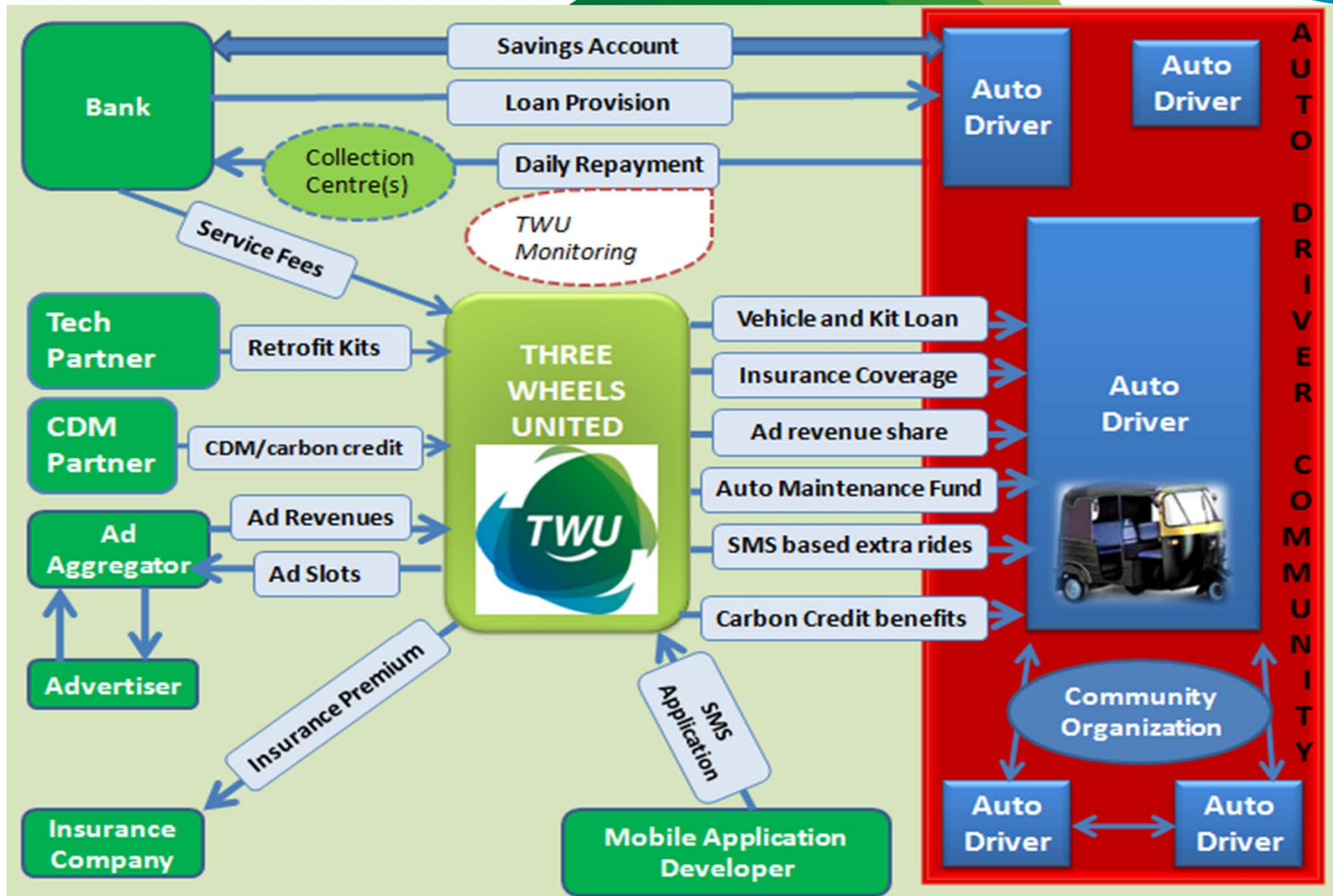
A large illustration in the center of the slide depicts a group of stylized human figures holding hands in a circle, symbolizing community. The figures are rendered in a light gray, almost white, color. The background of the illustration is a light beige with a subtle, wavy pattern. The text 'Community Co-ownership' is overlaid in the center of this illustration in a bold, black, sans-serif font.

Community Co-ownership

Enmeshing into the community



The System



Performance Measurement



TWU's performance is measured by triple bottom line approach:

1. Social Return on Investment
2. Environmental return on investment
3. Last, Financial return over investment



Partners

Our Major Shareholders:

- Enviu Participations
- dob Foundation

Knowledge partners

- Context International
- Other local NGOs and co-operative societies

Technology Partners:

- REVA Electric car company
- Eco Tuk BV (Netherlands)



Mission

To improve the lives of at least 200000 people including over 50000 auto rickshaw drivers in Bangalore in the next 5 years and at least 1 million drivers in India over the next 10 years through financial inclusion, generating alternate channels of revenue and making them environmentally and socially responsible



A million dreams to fulfill...A billion lives to touch

