Tyre Recycling business in Ethiopia

FUKUNAGA ENGINEERING CO., LTD.

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Continuous pursuit of environmental-friendly business!

Create new businesses through R&D (on-site research and development) and innovative ideas!

Customers, Employees, and shareholders happiness and co-existence & co-prosperity with local communities!
Issues and problems of waste tyre in Ethiopia

- High dependence on import of tires
- Shortage of foreign currency
- High demand of tire with high increasing trend
- Lack of awareness on retread and recycling of tires
- Lack of technology and capacity for recycling of tire
- Environmental and health problems
Current conditions of waste tires

- Traditional shoes producers from tire
- Social problems
The flow of waste tyre recycling

- Pooled water in tires causes breeding of mosquitoes
- Remove the steel wire from the waste tire and remain the rubber only
- Crush
- Rubber chips made by crushing waste tires then make it to powder
- Desulfurize and regenerate the raw material
- Finished products
  - Rubber speed breaker for vehicles on the roads
  - Rubber car stopper for the parkings
  - Press the rubber sheet
  - Mix the regenerated raw materials and make recycle rubber sheet
Stakeholders and partners

Output1: Verification of safeness, economical efficiency and superiority of retreaded tire

Fukunaga Engineering
- Install equipment
- Technical Assistance

MoTI (Ministry of Trade & Industry)

ESL (Ethiopian Shipping Logistics)

Output3: Disseminate the importance of tire retreading/recycling

Output2: Plan for promoting tire retreading industry

Tire Retreading Industry

Tire Industry

Japanese private sector
Incentive to operate in other countries
Collaborate in solving development challenges and create a win-win relationship
Support

Developing countries
Incentive to solve development challenges

JICA

JICA assists developing countries’ initiatives to achieve their development goals through utilizing the private sector technologies.
New business initiatives

**Maker**
- Press on Band Tire
  (Press on Band Tire is made of rubber bonded to a mild steel)

**User**
- Aerial Work Platform

**Recycle**
- 1, Separating rubber and steel
- 2, Recycling rubber
FECO`s business expansion project

- Finally any one of you, who is interested to do an environmental friendly business on recycling with us, we are very happy to work together with you.
Domo Arigato

Thank You