

# Anne Legeland

## **“Plastic Upcycling factory India”**

**Rotary Foundation DGSC 2012 - 2015**

**PDG D 1580 2015 – 2016 Netherlands**

**COL representant 2016 – 2026**

**Achieved 3 Matching Grants and 1 Global Grant**

**Chairman Rotary Teenstra Foundation 2017 – 2024**

**Director Friends Indeed Foundation 2004 – 2024**



# The plastic threat: what to do with low worthy plastic



# GG 2238142: A joint plastic recycle program: RC Amsterdam-Nieuwendam & RC Vizianagaram, AP, India



# Why? High time to protect land, sea, food & health



**Focus: fisher villages  
in 50 years from no plastic to a thick  
layer which moves to the sea**

## **Our goals**

- **Learn to see plastic is a raw material**
- **For practical products**
- **Vocational training plastic recycle operator**



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# A plastic recycle factory plus a **vocational training** for differently abled youth



# Products: CONSTRUCTION material!

shelves, beams, tiles, lanternpoles and ... even total houses



# Global grant application nowadays: paperwork: 19 annexes

- 1. 21.08.23. Assessment plastic February 2023
- 2. 21.08.23. Project plan Plastic recycle factory
- 3. 21.08.23. Summary of the project plan
- 4. 21.08.23. Business case factory
- 5. 21.08.23. Vocational plan: training to become a plastic operator
- 6. 21.08.23. Community training 1: Training plan children 8 Schools
- 7. 21.08.23. Community training 2: Training plan adults 8 villages
- 8. 21.08.23. Community training 3: Training plan 'Hero'
- 9. 21.08.23. Risk analysis
- 10. 21.08.23. Monitoring and Evaluation plan
- 11. 21.08.23. Sustainability and Financial Plan
- 12. 21.08.23. Operations and maintenance plan
- 13. 21.08.23. Save Plastic Quotation factory
- 14. 21.08.23. Save Living Foundation Quotation trainings community
- 15. 21.08.23. Association Saikorian Quotation location
- 16. 21.08.23. Association Saikorian Certificate Registered NGO
- 17. 21.08.23. MoU with 3 collaborating partners
- 18. 23.09.23 VVT team: R.L.N. Sharma CV volunteer travel to factory Netherlands
- 19. 23.09.23. VVT team: V. Srinavasao Rao CV volunteer travel to factory Netherlandx



# Rotary assessment: a week in the field with three partners

**Campus Challenge/  
Association Saikorian**  
[www.campus-challenge.org](http://www.campus-challenge.org)

**LOCATION +  
DAILY MANAGEMENT**

**Friends Indeed Foundation**  
[www.friendsindeed.nl](http://www.friendsindeed.nl)

**ADDITIONAL COSTS**

**Save Plastic Nederlands**  
[www.saveplastics.nl](http://www.saveplastics.nl)

**TECHNOLOGY**

# Assessment

**We followed the plastic, decided on type raw material, products and built a business case**

- **The fisher villages**
- **Community sorting centers**
- **Commercial sorting centers**
- **The Rotary factory near Bheemly**
- **The Collector**
- **Investigated the different types of plastic**
- **Decision: the low worthy plastics**
- **What is needed: planks and tiles**

# **Partner 1: the location**

## **Campus Challenge regional center for disability**

- **A Children village with 10 homes for 150 children and youngsters**
- **English Medium school class 1 – 10**
- **3 classes special education**
- **5 Vocational trainings for youngsters**
- **Medical center with physiotherapy and orthopedic workshop**
- **Audio speech center**
- **Outreach team for 850 children in the villages**

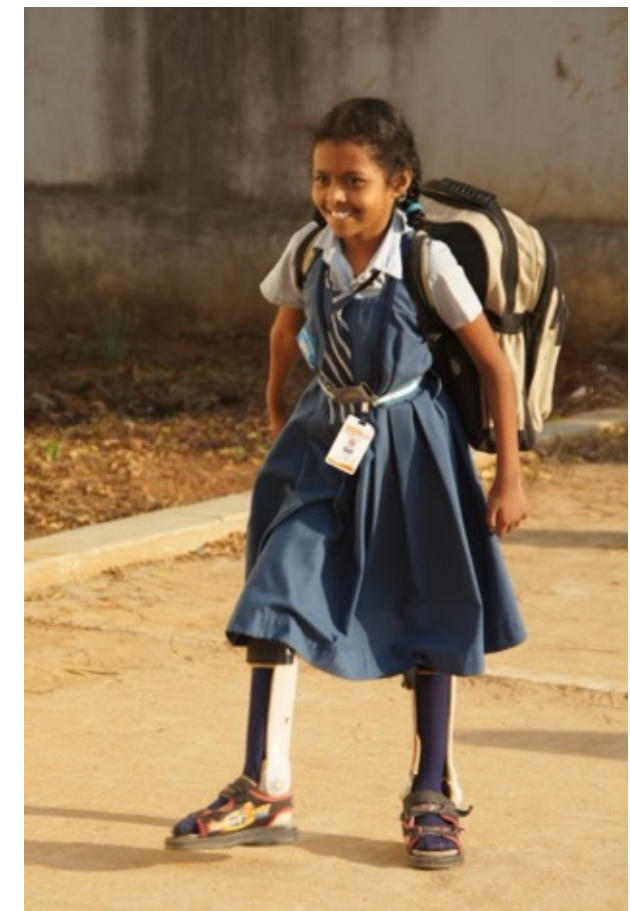
# Campus Challenge



# Campus kids + youth



# Differently abled youth



# Partner 2 Friends Indeed Foundation financial guarantee

- Active in India with several programs since 2004
- Founder of Campus Challenge for children with disability
- Involved in 3 matching grants before plus this global grant
- Director is a Rotarian
- Partner: **Association Saikorian**, alumni Sainek School Vizianagaram

# Partner 3 Technical knowledge

## Save Plastics: a factory in the Netherlands



- The transfer 2.500.000 kg of raw plastic
- The town delivers and gets its plastic back as. conform their wishes





# The low worthy plastics

## Choice raw material

- **Not the pet bottles: too expensive, but the street plastic**
- **For the technicians:**
- **Waterpouches = LDPE**
- **Streetplastic = PDPE en PE**
  
- **Lifetime:**
- **new product is 40 years**
- **after that : 9 times recycle**

# The raw materials in 100 kg bulks



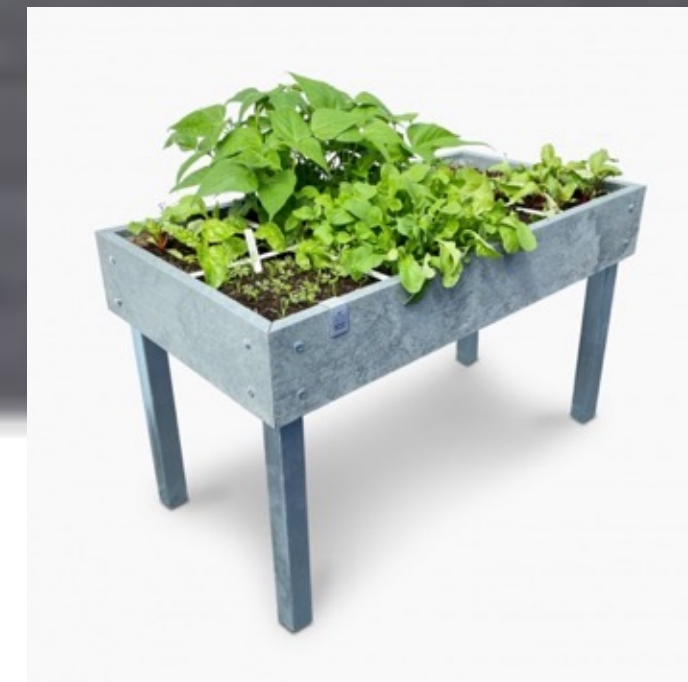
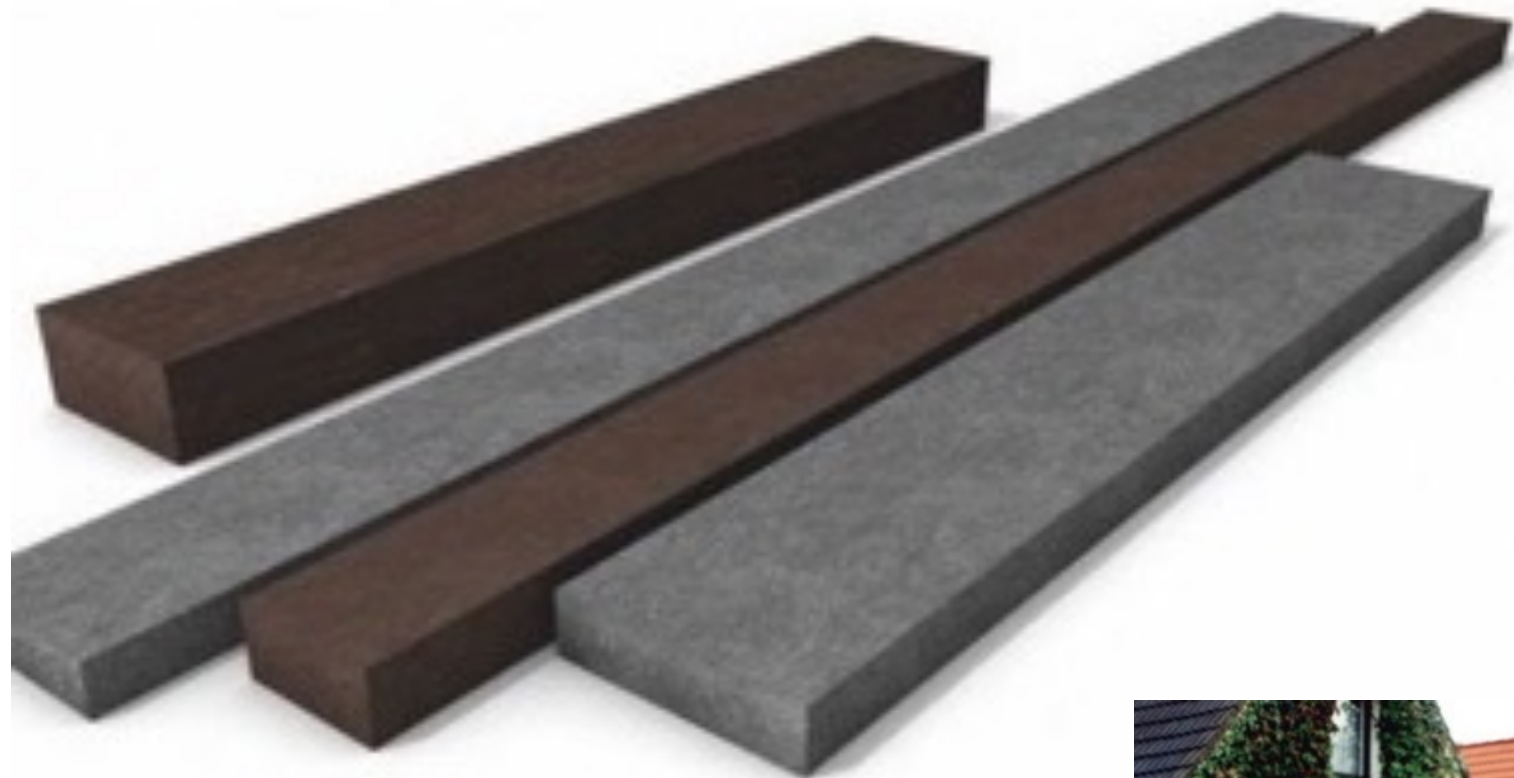
# The products !



# Wall tiles 30 x 30



# Planks 200 x 3 x 20 cm



# Smart green climate walls



# Blocks for houses



# Fences, paths, bridges





# Future: Rooftiles



# Combined with a 3 years Training program in 8 villages 2024 - 2026



**Schoolprogram, Adult program, Hero program**

# Presentation results: Conference 2026 at Campus Challenge organized together with youth

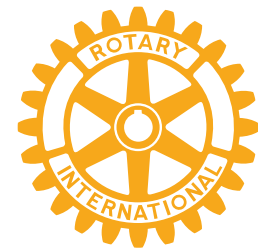
- Plastic recycle factory
- Vocational training Youth
- The three trainings in the villages:
  - a. school program
  - b. adult program
  - c. hero program



# The power of Rotary: let's start!



**Rotary**  
Amsterdam-Nieuwendam



**Rotary**  
Vizianagaram

