Scaling Global South Climate Solutions | One Plastic One Pad - Siaya County, Kenya



One Plastic One Pad is a circular economy social enterprise that transforms plastic waste into KEBS laboratory-tested, Good Market Approved Nyadhi Pads, high-quality, reusable sanitary pads that reduce plastic pollution, address period poverty, and improve access to safe menstrual products for girls and women through community partnerships.

Challenge
Millions of girls and women lack access to affordable menstrual products while plastic waste continues to pollute communities. One Plastic One Pad addresses both challenges through reusable sanitary pads made using circular economy
principles.

Solution
We manufacture Nyadhi Pads by transforming plastic-based (PUL technology) into high-quality, reusable sanitary pads. We combined this innovation with menstrual health education, environmental awareness, plastic waste collection (discarded plastic textile waste (PUL)) and recycling, and community outreach to promote menstrual dignity, climate action, and circular economy.





Contact

partnerships.scdi@gmail.com | Website

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Impact

- Reached 600+ girls and women with reusable menstrual products and menstrual health education, improving menstrual dignity and reducing school absenteeism.
- Recovered and transformed over 3 tons of discarded plastic textile waste (PUL) into high-quality reusable sanitary pads, preventing textile waste from entering the environment and advancing a circular economy.
- Nyadhi Pads successfully underwent KEBS laboratory testing in accordance with KS 2925:2022 (Textile – Reusable Sanitary Towels Specification), demonstrating quality, safety, and product reliability.
- Recognised as a Good Market Approved Enterprise, validating our commitment to ethical, responsible, and sustainable business practices.
- Selected to join the Catalysts 4 Climate global collaboration and featured in the Climate Solutions Bank, connecting our locally led climate innovation with international partners, policymakers, and investors.
- Accepted as a member of GAIA (Global Alliance for Incinerator Alternatives), contributing to the global zero-waste and circular economy movement.
- Awarded the Nigeria Changemakers Award in recognition of innovation and community impact.
- Invited to present One Plastic One Pad at international platforms, including the World Health Innovation Forum (WHIF), India; the European Society for Prevention Research (EUSPR) Conference; the Aga Khan University E4L Conference; the Global Mental Health Action Network (GMHAN) Environment Working Group; and the United Nations STI Forum, demonstrating growing international recognition of our circular economy innovation for climate action and menstrual health.
- Selected for the Elevate Blue Incubation Program and the Vital Voices Visionaries Cohort 13, strengthening the innovation, leadership, and scale readiness of One Plastic One Pad through global mentorship, capacity building, and international collaboration.
- Creating green livelihoods through local manufacturing while demonstrating how discarded plastic textile waste can be transformed into climate-smart menstrual health solutions.

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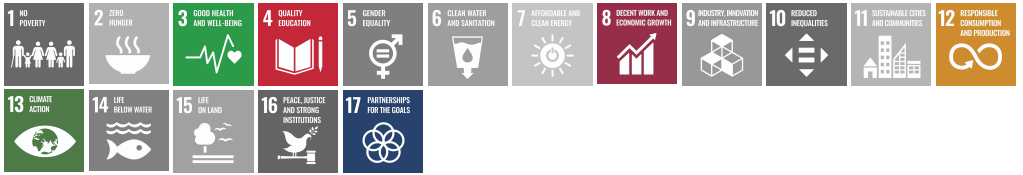
Partners

- Solidarity with Children with Disabilities Initiative (SCDI) – Lead implementing organisation.
- Good Market – Recognised as a Good Market Approved Enterprise, connecting the solution to a global community of responsible enterprises.
- GAIA (Global Alliance for Incinerator Alternatives) – Supporting knowledge exchange and collaboration on zero waste and circular economy solutions.
- Catalysts 4 Climate (Catalyst Now) – Global collaboration platform connecting locally led climate solutions with partners, investors, and policymakers.
- Kenya Bureau of Standards (KEBS) – Product quality assurance through laboratory testing under KS 2925:2022.
- Schools, community-based organisations, women's groups, youth groups, and local government institutions across Siaya County supporting implementation, menstrual health education, and community outreach.



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