



Darwin Initiative Main/Post/D+ Project Half Year Report (due 31 October 2016)

Project Ref No	DPLUS050
Project Title	Waste to Warmth- cardboard into insulation boards and bricks
Country(ies)/Territory(ies)	St Helena Island (British Overseas Territory)
Lead Organisation	SHAPE
Partner(s)	St Helena Government, Safeguarding, National Trust
Project Leader	Miss Tracey Stroud
Report date and number (e.g., HYR3)	HYR1
Project website/ Twitter/ Blog/ Instagram etc	
Funder (DFID/Defra)	

1. Outline progress over the last 6 months (April – Sept) against the agreed baseline timetable for the project (if your project has started less than 6 months ago, please report on the period since start up to end September).

This project has allowed SHAPE to reduce the amount of paper and card going into the landfill - it will also enable us to give work experience to more young adults with disabilities in the near future. With the financial aid of getting equipment we have been able to produce a number of different products that will assist with SHAPE being sustainable as we have a very strong brand on St Helena Island and supported by the community.

Output1: 100% of the three largest merchant's waste cardboard diverted from the landfill site

SHAPE have been able to communicate with merchants on island as well as private household's to have their cardboard and paper delivered at the Recycling Centre storage unit or to have it collected by SHAPE. Thus far we do collection around the island twice a week and have individuals deliver throughout the week.

Output2. 100% of the St Helena's Government's Waste cardboard and paper diverted from the landfill site.

SHAPE has a formal agreement with EMD (SHG) that there is a recycled storage section at the landfill for paper and cardboard. The agreement includes that once a week the Landfill manager has the paper and cardboard shredded for SHAPE where we collect from site every Friday morning, ready for the hydropulp machine on Monday's. Thus far this has worked and in the coming months we are hoping to increase the collection to twice a week as we start to increase our pulp making from 1.5tonnes a week to 2 tonnes a week.

Output3: Employment Opportunities for 3 additional staff, thus creating placement for additional six disabled clients

We have secured place for 3 staff members at the Recycling Centre, they are all responsible for different facets on the business to maintain the smooth running of the centre as well as to increase revenue for SHAPE within the next few months. New products, sales of the fuel bricks and insulation boards all play a huge factor in this. In the new year we will be sitting with

Safeguarding to identify 6 new trainees to work at SHAPE for work experience.
Output4. Produce Insulation boards from recycled cardboard
We continue to make the insulation boards from recycled paper and cardboard. We have a storage room currently, building up stock. We have witnessed an interest in our insulation boards when The Mantis group who are building the hotel in Jamestown came to purchase some and expressed an interest in more. We start with insulating part of the Recycling Centre in January after the rush of the festive season orders for products. This section will be part of our showcase room at the Centre.
Output5. Increase production of fuel bricks
We continue to do the fire bricks manually due to the fact that we have had numerous issues with the brick machine purchased, we had assistance from Basil Read construction company to help but unfortunately the individual went off island. We have contacted another engineer on island to assist but have to wait for him to allow some time to assist. In the meantime we are still using the hand press so that we continue to increase our stock.
Output6. Increase amounts of paper and cardboard pulped
We continue to monitor progress of the project, and a total of 1.5tonnes of dry paper and card has been processed per week thus far. We are hoping to increase this to 2 tonnes in the near future once we have sorted out the brick machine .(We weigh this by working out that each batch of pulp produced in the Hollander beater uses 2KG of paper which equates to a 45 litre bucket filled with paper.)
Output7. A marketing campaign to promote new product lines
We have a basic Marketing Plan thus far (attached) and are looking forward to working on it more so that as we learn and grow we are able to see areas that we can expand on.

2a. Give details of any notable problems or unexpected developments/lessons learnt that the project has encountered over the last 6 months. Explain what impact these could have on the project and whether the changes will affect the budget and timetable of project activities.
SHAPE has established outstanding efforts in its procurement of machinery. The size of machinery being used at the Paper and Card Recycling Centre is relatively large with mechanical challenges that have involved a wider community effort in setting up. People outside of SHAPE with skills and expertise have given time to help with ensuring our equipment meets required functioning standards. This is at times challenging due to the fact the volunteered help of people with certain expertise could only assist when they have free time. The time frame that we envisioned was at times not realistic as we did not take into account that machines break and that getting the parts on island with the right people to assist with repairs, were not always on schedule or available. SHAPE has been able to accommodate more trainees due to the Recycling Centre having the right equipment and machinery as well as the centre being disabled friendly. This assists them in navigating and operating the equipment whilst making the paper pulp to produce products, but due to their disabilities they were not always able to achieve completion of products in a timely manner. SHAPE had to hire

able bodied people to assist with increasing our production line and this has cost a bit more money.

2b. Have any of these issues been discussed with LTS International and if so, have changes been made to the original agreement?

Discussed with LTS: Yes/No

Formal change request submitted: Yes/No

Received confirmation of change acceptance Yes/No

3a. Do you currently expect to have any significant (e.g., more than £5,000) underspend in your budget for this year?

Yes No Estimated underspend: £

3b. If yes, then you need to consider your project budget needs carefully. Please remember that any funds agreed for this financial year are only available to the project in this financial year.

If you anticipate a significant underspend because of justifiable changes within the project please submit a rebudget Change Request as soon as possible. There is no guarantee that Defra will agree a rebudget so please ensure you have enough time to make appropriate changes if necessary.

4. Are there any other issues you wish to raise relating to the project or to Darwin's management, monitoring, or financial procedures?

n/a

If you were asked to provide a response to this year's annual report review with your next half year report, please attach your response to this document.

Please note: Any planned modifications to your project schedule/workplan can be discussed in this report but **should also be raised with LTS International through a Change Request.**

Please send your **completed report by email** to Eilidh Young at Darwin-Projects@ltsi.co.uk . The report should be between 2-3 pages maximum. **Please state your project reference number in the header of your email message e.g., Subject: 22-035 Darwin Half Year Report**