

**Darwin Initiative Main/Post/D+ Project
Half Year Report
(due 31st October 2017)**

Project reference	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 - Belgrove
Report date and number (e.g., HYR3)	HYR1
Project website/blog/social media etc.	

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 continues to 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.

Out storage facilities have also been improved with the completion of two covered areas on site. This prevents the waste from being exposed to bad weather conditions.

There has been an increased in the supply of paper and card waste from our key stakeholders, merchants and other organisations on the island, this is a result of the increase publicity of the Recycling Centre over the last year.

The amount of paper pulp processed has been increased to approx two tonne per week. This is due to bigger board moulds being used to accommodate the ergonomic specs for furniture to be made and other larger products to that of the normal products. We are currently working on an order with EMD (SHG) in making large cigarette butts for their litter campaign from paper pulp in addition to the amount normally required for other products being made.

We have also improved our drying facilities with two drying rooms on site, which have increase production of paper pulp boards and fire bricks.

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 a formal agreement with EMD (SHG) that there is a recycled storage section at the landfill for paper and cardboard and that SHAPE would therefore collect from this centre once a week to process into paper pulp every week. The amount processed is approx 1 ½ -2 tonne per week. Collection from the dump site has been hindered over the past few months due to transportation and staffing problems however this has not affected the processing of paper pulp due to collections on a smaller scale from SHG departments/community on a weekly basis.

We continue to make the insulation boards from recycled paper and cardboard. Due to restrictions on making these fire retardant because of SHAPES workforce being made up of vulnerable and disabled persons who would not necessarily be compliant with a complex health and safety regime/process needed to add this type of quality to the board, the boards continue to be made with just paper and water drying into a hard and robust material to be used for products such as furniture, storage boxes, decorative household products, etc which is now being showcased within SHAPES new shop premises located in the capital of Jamestown. This will now allow a wider customer base to be reached on a daily basis. However a basic shop will still be established at the recycling centre for visitors to purchase.

The problems encountered with the hydraulic brick machine remains, as a major mechanical fault was discovered which could prove extremely dangerous if used therefore we still await a suitable engineer to assist with repairing this. The manual process continues however this proves productive at this point in time. With the drying room being completed this will now decrease the drying process and an increased storage area adds to storing more stocks of bricks. Local outlets are now buying bricks to sell within their shops and there has also been an increase local interest/use due SHAPE's advertising.

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: No

Formal change request submitted: No

Received confirmation of change acceptance 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. Additionally, if you were funded under R23 and asked to provide further information by your first half year report, please attach your response as a separate 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**