

Scottish Charity No. SC047910
Company Registration No. 08771953



**COMPANIES HOUSE
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29 AUG 2018

FRONT DESK



CREATIVenergie

(A company limited by guarantee)

Directors' Report and Financial Statements
Year ended 30 November 2017

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CREATIVenergie

Report of the Directors for the year ended 30 November 2017

The Directors (who are also Trustees for the purposes of charity law) are pleased to present their report together with the financial statements of the charitable company for the year ended 30 November 2017.

Registered office

112 Mina Road
London
SE17 2QS

Principal office

c/o Tribe Party
19 Windsor Place
Edinburgh
EH15 2AJ

Bank

Reliance Bank Limited
Faith House
23-24 Lovat Lane
London
EC3R 8EB

Structure, Governance and Management

CREATIVenergie was incorporated as a company limited by guarantee on 12 November 2013 and was registered with Companies House, England & Wales (No. 08771953). It was registered as a charity with the Scottish Charity Regulator (OSCR) on 10 November 2017 (No. SC047910). The Company was established under a Memorandum of Association which established its objects and powers as a charitable company and is governed under its Articles of Association.

Directors (Trustees)

The Directors who served during the year were:

Joel Chaney

Gareth Selby

Paul Selby (appointed 6 July 2018 – previously, Trustee from 10 November 2017)

Craig Watkins (appointed 6 July 2018 – previously, Trustee from 10 November 2017)

Recruitment, appointment and training of Directors (Trustees)

Under the requirements of the Memorandum and Articles of Association, Directors are either appointed by the existing Directors or elected by the Members at the Annual General Meetings (AGM). Directors retire at each AGM and then are eligible for re-election.

New Directors (Trustees) attend an induction afternoon to familiarise themselves with the charity and the context within which it operates. Training covers the following:

- The obligations of the members of the Board of Directors;
- The main documents which set out the operational framework for the charity including the Memorandum and Articles;
- Resourcing and the current financial position as set out in the latest published accounts;
- Future plans and objectives.

Dr Craig Watkins and Mr Paul Selby agreed to join the Board of Trustees during 2016/17. Their names were included in the application to become a Charity, regulated by the Office of the Scottish Charity Regulator (OSCR) which was granted on 10 November 2017. Dr Watkins and Mr P Selby were involved in decision making from the point of agreeing to join the Board of Trustees, including whilst the application to OSCR was in process.

CREATIVenergie

Report of the Directors for the year ended 30 November 2017

Members

The Articles of Association require CREATIVenergie to have at least three members. The membership, throughout the year 2016/17 and up to and including the date of signing these Accounts, was as follows:

Mr Gareth Selby	(Chair of Directors, Chair of Trustees)
Dr Joel Chaney	(Technical Director, Trustee)
Mr Paul Selby	(Director, Trustee)
Dr Craig Watkins	(Director, Trustee)
Mrs Esther Chaney	(Secretary)
Ms Lucy Frankenburg	

The liability of each member is limited to £1 in the event of the company winding up.

Day-to-Day Management

Day to day management of the Charity is undertaken by Esther Chaney (Secretary; Communications & Administrative Manager), Joel Chaney (Technical Director & Trustee), Gareth Selby (Chair of Directors & Chair of Trustees) and Lisa Smith (Finance Officer).

Employees & Contractors

During 2016/17, CREATIVenergie commenced employment contracts with a number of people in order to carry out specific projects and associated tasks. Employment contracts were issued to correspond with the skill requirements and available resources of specific projects. Regrettably we were unable to renew employment contracts at the end of the grants. We maintain good relationships with all former employees, some of whom volunteer their time and skills in support of CREATIVenergie's charitable activities.

Employees throughout 2016/17, and in the subsequent months up to the date of signing this report, were:

Dr Joel Chaney (Technical Designer for Smart Biogas Network grant; employed 1st April 2017 – 31st March 2018; contracted three to five days per week according to project demands);

Mr Gareth Selby (Project Manager for Smart Biogas Network grant; 1st April 2017 – 31st March 2018; one day per week);

Mr Rowan Spears (Product Designer primarily working on Solar What?! And Smart Biogas Network grant; 1st June 2017 – 31st March 2018; Full-Time);

Mrs Lisa Smith (Finance Officer, 1st June 2017 – 27th April 2018; two days per month plus additional if required);

Ms Chiara Aquino (Software Development Intern for Smart Biogas Network grant; 5th February - 20th April 2018; Full-Time).

The Directors and Trustees decided to outsource the management of payroll, and the following appointment was made in June 2017:

Kenneth A Roy
Chartered Certified Accountant
31 Buckstone Court
Edinburgh
EH10 6UL

CREATIVenergie

Report of the Directors for the year ended 30 November 2017

The Directors and Trustees agreed to outsource the preparation of these accounts, and agreed that the following appointment be made for both preparation and external examination of the 2016/17 accounts:

Helen White
Chartered Accountant
Cornerstone Accounting Ltd
53 Burghmuir Court
Linlithgow
West Lothian
EH49 7LL

The services of a number of consultants were engaged throughout the year, according to the requirements of specific projects.

Supporters

During 2016/17, financial donations were received in support of CREATIVenergie's work from a mix of individuals, couples/families and one church congregation. We created an Instagram account and have maintained our Twitter and Facebook accounts. Over the past year we have been more proactive in sending updates via Social Media, particularly during project field visits. This has generated further interest in, and followers of, the work of CREATIVenergie internationally. We have an electronic mailing list of supporters from the UK and abroad to whom we periodically send newsletters; they were all asked to either opt in or opt out in order to comply with the General Data Protection Regulations that came into effect in May 2018.

Objectives and Activities

On 9th December 2014, the Directors of CREATIVenergie passed a resolution to amend the Objects, to:

- A. *The advancement of the Christian faith and understanding of its relevance to the environment, for the benefit of the public throughout the world, in particular but not exclusively by producing and/or disseminating literature to enlighten the public on what the Christian Bible has to say about the environment.*
- B. *To promote sustainable development for the benefit of the public, throughout the world, in particular but not exclusively, by:*
 - 1. *Providing training and training materials on sustainable technologies.*
 - 2. *Promoting energy equality and conservation of natural resources.*
 - 3. *The promotion of sustainable means of achieving economic growth and regeneration.*
 - 4. *Carrying out research into sustainable development and renewable energy technologies.*

Sustainable development means "development which meets the needs of the present without compromising the ability of future generations to meet their own needs."

It is considered that activities that fulfil the Objects provide public benefit, and the Directors/Trustees have had regard for this in their decision making throughout the year.

Achievements and Performance

Our activities commencing in 2013 provided a firm foundation for the work of CREATIVenergie to expand exponentially during 2016/17, with existing partnerships being strengthened and new partnerships forming. The CREATIVenergie team have now established a well-respected reputation for modifying and simplifying technology, particularly within the biogas sector, and collaboratively innovating to reduce barriers to accessing renewable energy. Our catch phrase has become 'unlocking sustainable energy for life', encapsulating the core goal of all our activities.

Achievements and Performance (cont'd)

The vital importance of our activities, within a global context, has become even more apparent with the launch of the UN Sustainable Development Goals, one of which is to 'ensure access to affordable, reliable, sustainable and modern energy for all'.

Having founded CREATIVenergie because we were already committed to this vision, it is encouraging to see global recognition and associated commitment of a range of organisations, to increasing access to sustainable energy particularly in off-grid / energy poor communities.

We want to celebrate all we achieved in 2016/17 and are excited about the opportunities that have opened up to continue outworking our vision and collaboratively make a positive difference for the wellbeing of men, women and children currently living in energy poor off-grid households around the world.

During the year under review we:

1. successfully concluded a Feasibility Study funded through a grant from the Scottish Government;
2. commenced leading the Smart Biogas Network consortium funded by Innovate UK and the UK Department for International Development (DfID) through Energy Catalyst Round 4;
3. co-founded Connected Energy Technologies Ltd. to commercialise the Smart Biogas Network;
4. organised a Solar Hackathon in Edinburgh to generate ideas for alternative ways of designing a sustainable and appropriate solar lamp;
5. provided technical and design consultancy for Solar What?!, a University of Edinburgh project to design a more ethical, repairable and sustainable pico-solar lamp for off-grid households;
6. went on a scoping visit to the Volta Region of Ghana, at the invitation of Scottish charity "Love Ghana", with the intention of collaboratively designing an innovative approach to providing solar lighting;
7. secured charitable status with the Scottish Charity Regulator (OSCR).

Since the end of 2016/17, we:

1. held our first Family Day in Edinburgh;
2. attended the Rushlight Show in London;
3. attended the UN Sustainable Energy for All Forum in Lisbon;
4. commenced discussions with a range of organisations regarding future collaborations.

Further details on the activities and achievements listed above are given in the following sub-sections.

Feasibility Study (Scottish Government Small Grants Program)

As a result of the link established with ECHO's East Africa Impact Centre in Tanzania and the training given to them in October 2015 by two of the men we trained at Cheptebo Rural Development Centre in Kenya earlier the same year, it became clear that there was potential to work together further. We successfully applied to the Scottish Government's International Development Small Grants Programme and were awarded £9,872 to collaborate with ECHO on a feasibility study entitled 'Increasing the uptake of biogas amongst the currently excluded rural poor'. The feasibility study commenced on 1st May 2016 and concluded 11 months later. As outlined in our last Annual Report the study included designing and conducting a household survey exploring energy access, use and perceptions of biogas; a Biogas Summit; a Co-Design Workshop and construction of three prototype biogas digesters. Esther and Joel Chaney of CREATIVenergie, gifted their time and skills to the study in the roles of Project Manager and Technical Officer respectively. All travel costs were covered by the grant monies received, as per the budget. Gareth Selby contributed to the running of the Biogas Summit and Co-Design Workshop in Tanzania, gifting his time and skills as a second Technical Officer and covering his own travel costs.

Feasibility Study (Scottish Government Small Grants Program) (cont'd)

The specific objectives of the feasibility study were all met during the course of the project year (1st May 2016 to 30th March 2017):

1. Adaptation of the improved lower cost tubular design system for a Tanzanian rural context, taking into account locally available materials, supply chains and end-user needs. Monitoring and evaluating its acceptability and performance (Outcomes 1-4);
2. Encouraging better co-operation and co-ordination between biogas stakeholders (Outcomes 1-8);
3. Engagement of the moderately poor who are currently excluded from biogas due to high capital costs, exploring how to better reach this target market and the role the improved tubular design can have (Outcomes 1-5).

The outcomes at the conclusion of the 12 month grant, in summary, were:

- Outcome 1: One biogas digester (CREATIVenergie's expanding bag tubular design) was constructed at a farming household that changed the lives of family members and was visited by at least 100 people;
- Outcome 2: Two biogas digesters designs were produced (modified versions of Prototype One, incorporating changes suggested at the Co-Design Workshop);
- Outcome 3: Two biogas digesters were constructed in rural households (Prototypes Two and Three, modified versions of Prototype One, incorporating changes suggested at the Co-Design Workshop), enabling the two households to transition from using firewood to biogas for cooking, and visited by at least 60 farmers;
- Outcome 4: Collaboration with a private sector company expanding into East Africa meant that an additional demonstrator digester, of another design, was constructed;
- Outcome 5: Improved ways of promoting biogas technology were explored at the Co-Design Workshop and agreed by practitioners;
- Outcome 6: Technicians who used to construct only one type of digester (the dominant concrete dome design) were receptive to considering expanding bag tubular digesters as an alternative option and learnt to construct these;
- Outcome 7: Creation of a consortium to address other challenges arising post construction of biogas digesters;
- Outcome 8: Getting to know the role of local microfinance institutions in dissemination of biogas technology;
- Outcome 9: Creation of a detailed survey on household energy use and perceptions of biogas technology that could be used again.

Full details on each outcome were provided in our 2015/16 Annual Report. Further information on the activities of the feasibility study including detailed budget and expenditure spreadsheets can be found in the interim and end of grant reports submitted to the Scottish Government's Small Grants Team (available upon request).

Smart Biogas Network (Innovate UK & DfID Energy Catalyst Round 4)

4 million people a year die prematurely from illnesses attributed to household air pollution resulting from cooking on solid fuel (wood fires, animal dung, crop waste)¹. Wood smoke is responsible for more deaths globally than malaria and HIV combined².

Smart Biogas Network (Innovate UK & DfID Energy Catalyst Round 4) (cont'd)

Access to an alternative clean and renewable fuel source, such as biogas, directly benefits family health, especially for women and children, who spend the greatest amount of time breathing wood smoke. Biogas digesters transform waste organic matter into methane gas, and their installation can be scaled according to individual household or institutional needs.

Conversations between key stakeholders, during our Scottish Government funded feasibility study, revealed that ensuring long-term functionality of biogas digesters posed a significant challenge as the post-construction maintenance and service sector is non-existent especially when owners lose contact with the person that installed their digester. Consequently, biogas digesters remain defective or completely broken, forcing users to supplement their energy supply by, or revert to, burning wood again. Furthermore, if defects are not responded to quickly, the digestion process halts; it could take 15-30 days for the digester to begin producing gas again after repairs are completed. Underperforming and broken biogas plants have negative impacts upon health, knock-on financial and environmental costs and damage the reputation of biogas technology.

Within the context of widespread underperformance and lack of affordable monitoring mechanisms in the household biogas sector, CREATIVenergie have spearheaded a consortium to innovatively address the challenge of ensuring that biogas digesters remain operational, giving rural households more reliable access to a supply of clean energy. Our solution, the Smart Biogas Network (SBN), combines simple low-cost sensing with machine learning and smart communication technology to enable inefficient operational habits and symptoms of failure in individual biogas digesters to be detected remotely and communicated quickly. Our innovative approach of only monitoring pressure changes within each digester, aggregating data across similar systems and applying machine learning algorithms provides a simpler, cost-effective means of collecting functionality data. Costs are minimal even compared to digester installation costs, enabling large numbers of household/institutional systems across wide geographical areas to be monitored as standard practise, rather than only monitoring a few for research purposes. The application of Internet of Things (IOT) technology is an affordable way to improve efficiency in the operation and maintenance of household biogas digesters, contributing to improved asset-management and enhancing energy security for households in off-grid locations globally.

There are multiple potential benefits of the Smart Biogas Network including:

- Connecting owners of defective or broken biogas plants with those who can fix them, thereby enhancing energy security in off-grid locations;
- Providing accurate data for monitoring and evaluation, enhancing transparency and accountability in donor funded projects;
- Providing reliable data on the CO₂ savings of biogas digesters to secure Clean Development Mechanism (CDM) carbon credits;
- Contributing towards the achievement of the Sustainable Development Goals: Good Health & Wellbeing (No.3), Affordable & Clean Energy (No.7), Climate Action (No.13);
- World-wide universality as the SBN can easily be used with various designs of biogas digester.

During 2015/16, an application was successfully made to Innovate UK's Energy Catalyst Round 4 Award to develop the Smart Biogas Network, and the 12 month grant commenced on 1st April 2017. CREATIVenergie was the Lead Partner in the consortium that included:

- ECHO's East Africa Impact Centre
- CAMARTEC as the implementor of the Tanzanian Domestic Biogas Program
- Scene Connect Ltd.
- University of Nottingham

Smart Biogas Network (Innovate UK & DfID Energy Catalyst Round 4) (cont'd)

Innovate UK operate a hub and spoke system for grant payments. Consequently, Innovate UK transferred monies for all members of the consortium to CREATIVenergie's bank account following review of each quarter's claim. CREATIVenergie then transferred money to each partner, according to the costs they incurred as indicated on the claim forms. In 2016/17, £119,441 was transferred into our bank account; £34,888 of this was for costs incurred by CREATIVenergie. The Innovate UK grant was capped at 70% of eligible costs incurred for companies, and this rule was applied to CREATIVenergie.

The consortium received advisory input from SNV and engaged the services of consultants and manufacturers as necessary. During the course of the Innovate UK grant the following outputs were achieved by the consortium:

1. Prototype communication hardware was designed by CREATIVenergie;
2. Participatory Design Workshops were conducted by CREATIVenergie's Product Designer and the University of Nottingham's Lead Researcher during a visit to the Arusha Region, Tanzania in July 2017;
3. Prototype monitoring equipment (nodes) were installed on seven biogas digesters in the Arusha Region of Northern Tanzania (one fixed dome digester - historically the design of choice for the TDBP; four of CREATIVenergie's expanding bag tubular digesters - built to different sizes according to household needs; one SimGas injection moulded plastic digester; one BioBolsa pre-fabricated plastic digester);
4. A prototype monitoring hub was installed at our partner ECHO's office, receiving data sent every two minutes from each household node and transferred to the cloud-server;
5. Real-time analytics, an end-user web dashboard and mobile applications were designed by CREATIVenergie and Scene Connect, with assistance from consultants as necessary;
6. A Monitoring and Evaluation Visit was made by CREATIVenergie's Project Manager and Product Designer in March 2018, to receive feedback on the SBN platform;
7. An SMS gateway application was designed as a result of participatory design workshops with stakeholders and an Unstructured Supplementary Service Data (USSD) application planned to enable biogas owners without SBN monitoring equipment to contact local maintenance and service personnel if/when a fault occurs. Householders interested in accessing biogas for the first time could identify and contact approved biogas installers in their area through the app. These services would be accessible via any mobile phone, not just Smart Phones;
8. A team from the University of Nottingham partnered with us to examine the underlying causes of biogas failure, including technological, social and economic factors. They carried out extensive interviews with a range of stakeholders. An academic paper discussing the results is forthcoming;
9. CREATIVenergie commissioned Freshsight, a student led consultancy, to carry out a market assessment of the viability of different models for carbon financing utilising the data provided by the SBN monitoring system. A report with recommendations was produced by the team of student researchers.

¹World Health Organisation, Fact sheet N°292, Updated February 2016, <http://www.who.int/mediacentre/factsheets/fs292/en/> (last accessed 29th January 2017).

²The World Bank Group, The cost of Indoor Air Pollution, Strengthening the Economic Case for Action, 2016.

³Stephen Gitonga, Biogas Promotion in Kenya, A review of Experiences, Practical Action.

CREATIVenergie

Report of the Directors for the year ended 30 November 2017

Creation of Connected Energy Technologies Ltd.

All technical aspects of the Smart Biogas Network were developed by CREATIVenergie and Scene Connect Ltd.. During 2016/17, it was agreed to form a spin-out company to take forward the commercialisation of the Smart Biogas Network (SBN) and in time other uses of the algorithms developed as part of that project. The Directors (Trustees) of CREATIVenergie were in agreement that the commercialisation of SBN should be conducted through a new company, enabling CREATIVenergie to focus on their charitable activities rather than the day-to-day operation of providing the monitoring service. Consequently, Connected Energy Technologies Ltd. was incorporated on 7th August 2017, with Company Number SC572953. At the time of incorporation CREATIVenergie and Scene Connect Ltd. each held 500 shares worth £50.

There is a close working relationship between CREATIVenergie and Connected Energy Technologies Ltd.. The two organisations intend to partner together on future projects, if there are skills that are mutually beneficial. Both organisations are committed to an open source approach to working, and therefore CREATIVenergie are free to make use of hardware/software related to the SBN. It is hoped that Connected Energy Technologies will successfully commercialise the SBN, and in time this will generate an additional income stream for CREATIVenergie. We disclose that Gareth Selby and Joel Chaney are two of the Directors of Connected Energy Technologies Ltd. but hold no shares personally. Since 1st April 2018, they have both been employed part-time by Connected Energy Technologies. Esther Chaney currently works freelance for the company, providing assistance with grant writing and communications.

Solar Cardboard Hackathon

In March 2017, we ran a one day 'Solar Hackathon' in Edinburgh, bringing together a collection of people interested in designing an off-grid energy system to generate alternative ideas for modular solar lamps. Using cardboard, a number of concepts were developed appropriate for use in off-grid communities. CREATIVenergie organised this event in partnership with the University of Edinburgh and Scottish Charity "Love Ghana".

Solar What?!

Following the success of the Solar Hackathon, the University of Edinburgh engaged the services of CREATIVenergie to explore some of the concepts and ideas generated during the hackathon. We expanded our team to employ a Product Designer, who primarily worked on this project. A design was developed for a more ethical, repairable, recyclable and adaptable solar lamp. The project explored the ethical supply chain of electronic components and how the electronic circuit board could be fabricated in the most environmentally sustainable way. An early stage prototype was manufactured and conversations with industry stakeholders were begun. The University of Edinburgh are pursuing further development of this product.

Scoping Visit to Volta Region, Ghana

Joel Chaney was invited to accompany Faith Brennan, Founder of "Love Ghana", on a visit to the Volta Region of Ghana in July 2017. Having established successful links with a number of churches and their communities in the Volta Region of Ghana over a ten year period, Faith began to receive requests for solar lamps. Rather than buy solar lamps to take over to Ghana or raise money for imported solar lamps to be purchased in country, Faith approached the CREATIVenergie team in Edinburgh to see if there was an alternative, more sustainable way to provide solar energy in the remote off-grid communities where she had partnerships. During the visit in 2017, the *Solar Light Exchange* concept began to take shape, based on observation of the way people made use of / required light for their daily life and livelihoods combined with holding focus group discussions.

Scoping Visit to Volta Region, Ghana (cont'd)

Household surveys carried out by CREATIVenergie in Ghana's Volta region revealed that many of the families living in remote off-grid villages were spending around a quarter of their monthly household income on alkaline batteries for use in poor quality torches. The torches were used to provide light in homes during the evening (roughly 12 hours of darkness all year round) as well as to carry out night work such as fishing or continue weaving during the evening. We were told that dead batteries are usually buried in the ground, with long term negative environmental consequences. Small solar lamps offer a significant improvement in quality of illumination per dollar compared to more traditional sources of light such as Kerosene over their lifetime, and do not give off toxic fumes nor pose a fire risk. However, the capital investment is often beyond the reach of people at the bottom of the social or economic pyramid, partly because of their extremely low income but also because of lack of mechanisms for saving and borrowing. Furthermore, there is a lack of repair and maintenance infrastructure for off-grid products that have an average lifespan of 1-3 years, because the batteries wear out, consequently generating a significant quantity of electronic waste (e-waste), comparable to e-waste streams from the mobile phone industry.

Our observations within the Volta Region are not unique to these communities, and consequently the negative social and environmental consequences of promoting/distributing a technology that cannot deliver light in a sustainable way are most likely widespread. There are challenges surrounding the disposal of all types of batteries including those for solar products, as well as the disposal of micro-electronics, wires and plastic e-waste especially when solar lamps cannot be taken apart to allow replacement of faulty parts even if a maintenance and service sector existed. Awareness of such challenges led us to question how solar powered light could be provided in a more sustainable and appropriate way.

The Solar Light Exchange concept has arisen from a desire to make solar energy available to people with low and/or irregular income within off-grid communities. The goal is to provide energy services to a whole community, rather than targeting one group of individuals only, hence furthering the achievement of Sustainable Development Goal 7. The Solar Light Exchange would be equipped with large solar panels and charging equipment, effectively operating as a community charging station, where people can lease rechargeable batteries for a fee, but at a rate substantially less than they currently spend on other energy sources such as kerosene or alkaline batteries. This concept differs from existing pay-as-you-go (PAYG) models for solar home systems because there would be one charging station per community, with solar panels, rather than every household purchasing these assets. Additionally, you would be able to charge a range of batteries or solar products at the Solar Light Exchange.

We are currently applying for funding, and in conversation with several organisations, to collaboratively develop and trial the Solar Light Exchange in 2018/19.

Family Day

On 13th January 2018, we held our first Family Day in Edinburgh which was a great opportunity for the CREATIVenergie team and Trustees to gather with people interested in hearing more about our work. We celebrated all that has been achieved through the multiple projects carried out to date and highlighted opportunities that are opening up for future partnerships to increase access to clean energy around the world. David Gould from OMF opened the day with an interactive exploration entitled 'Ecology, Faith and Mission: why should we care about creation care?'

CREATIVenergie

Report of the Directors for the year ended 30 November 2017

Conferences & Networking

In January 2018, Joel and Esther Chaney attended the Rushlight Show in London, as required by Innovate UK as a recipient of an Energy Catalyst Round 4 award. This provided an opportunity to exhibit what we were developing through the grant as well as to pitch to potential investors, which has been of benefit for the further development of the SBN through Connected Energy Technologies Ltd. Joel was invited to attend a workshop on off-grid renewable energy solutions for people in poverty, featuring research by Tearfund and the Overseas Development Institute on the value for money of decentralised renewables. The UN Sustainable Energy for All Forum was held in Lisbon during May 2018 and Joel attended to represent both CREATIVenergie and Connected Energy Technologies Ltd.. This proved to be a valuable opportunity to create new, and strengthen existing, relationships with other people working in the same sector. We hope to build upon these relationships and collaborate with several of these organisations in the coming years. PR activities have included photo updates on the Facebook page and Twitter and Instagram accounts, to alert supporters of the activities taking place particularly during trips abroad.

Future Plans

During 2017/18, CREATIVenergie's Directors (Trustees) plan to:

- Review the direction of the charitable company longer term, including activities to outwork the vision, development of new projects and partnerships, and exploring different income streams;
- Further expand the Board of Trustees through the appointment of additional members, up to the maximum of 5, with a range of skills and experiences that will assist in all areas of decision making;
- Appoint a new Secretary (Esther Chaney has indicated her desire to resign by 30th November 2018);
- Expand the network of people interested in partnering with CREATIVenergie in various ways including financially;
- Hold regular Family Days to strengthen relationships with supporters (actively volunteering, donating financially and spiritual support);
- Launch the updated website and maintain regular contact with supporters through social media;
- Form a consortium and successfully secure funding to commence development of the Solar Light Exchange;
- Maintain involvement in Connected Energy Technologies Ltd., to ensure it operates as an ethical and profitable business, consequently reflecting our values as a founding organisation and providing a future revenue stream for our charitable activities within the energy access sector.

Financial Review

Principal Funding Sources

The principal funding sources for the charity are income from grant making bodies, church donations and personal donations. Some consultancy work has also been carried out, for which payment was received.

Results for the Year

The financial statements for the year are set out on pages 13 - 20. The Statement of Financial Activities on page 13 reflects net income of £8,134 (2016: net expenditure of £1,016).

Reserves

The Company held unrestricted funds amounting to £229 (2016: £673) and restricted funds of £8,578 (2016: £nil) at the year end. Detailed cash flow forecasting was carried out throughout the year, in relation to both restricted and unrestricted funds. Budgets were amended to ensure wise stewardship of available funds and minimisation of debt at the end of projects.

The Trustees have not set a reserves policy as work is undertaken only when the appropriate funds are available through grants or donations.

Statement on Risk

The Board has conducted a review of the major risks to which the charity is exposed as a result of conducting specific projects. A risk register has been established and is updated at least annually. Where appropriate, systems or procedures have been established to mitigate the risks the charity faces.

Statement of Directors' Responsibilities

The Directors (who are also Trustees for the purposes of charity law) are responsible for preparing the Annual Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice). Company law requires the Directors to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the charitable company and of the income and expenditure of the charitable company for that period.

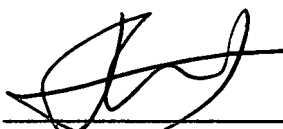
In preparing these financial statements, the Directors are required to:

- Select suitable accounting policies and then apply them consistently;
- Observe the methods and principles in the Charities SORP;
- Make judgements and estimates that are reasonable and prudent;
- State whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- Prepare the financial statements on the going concern basis, unless it is inappropriate to presume that the charitable company will continue in operation.

The Directors are responsible for keeping adequate accounting records that disclose with reasonable accuracy at any time the financial position of the charitable company and enable them to ensure that the financial statements comply with the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended). They are also responsible for safeguarding the assets of the charitable company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Directors' Report has been prepared having taken advantage of the small companies' exemption in the Companies Act 2006.

Approved by the Board on 29 August 2018 and signed on its behalf by:



Joel Chaney
Director

I report on the accounts of the company for the year ended 30 November 2017 which are set out on pages 13 to 20.

Respective Responsibilities of Trustees and Examiner

The Charity's Trustees (who are also the Directors for the purposes of company law) are responsible for the preparation of the accounts in accordance with the terms of the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended). The Charity's Trustees consider that the audit requirement of Regulation 10(1) (a) to (c) of the 2006 Accounts Regulations does not apply. It is my responsibility to examine the accounts as required under section 44(1) (c) of the Act and to state whether particular matters have come to my attention.

Basis of Independent Examiner's Statement

My examination is carried out in accordance with Regulation 11 of the 2006 Accounts Regulations (as amended). An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts and seeks explanations from the Trustees concerning such matters. The procedures undertaken do not provide all the evidence that would be required in an audit, and consequently I do not express an audit opinion on the view given by the accounts.

Independent Examiner's Statement

In the course of my examination, no matter has come to my attention:

1. Which gives me reasonable cause to believe that in any material respect the requirements:
 - To keep accounting records in accordance with Section 44(1) (a) of the 2005 Act and Regulation 4 of the 2006 Accounts Regulations (as amended), and
 - To prepare accounts which accord with the accounting records and comply with Regulation 8 of the 2006 Accounts Regulations (as amended)

Have not been met, or

2. To which, in my opinion, attention should be drawn in order to enable a proper understanding of the accounts to be reached.

Helen M. White

Helen White CA
Director

Cornerstone Accounting Limited
Chartered Accountants

Date: 29 August 2018

53 Burghmuir Court
Linlithgow
EH49 7LL

CREATIVenergie

Statement of Financial Activities (incorporating Income and Expenditure Account)

For the year ended 30 November 2017

	Notes	General fund £	Restricted funds £	2017 Total £	2016 Total £
Income and endowments					
Donations	2	2,354	-	2,354	1,297
Charitable activities	3	-	146,697	146,697	8,417
Total income and endowments		2,354	146,697	149,051	9,714
Expenditure					
Charitable activities	4	2,798	138,119	140,917	10,730
Total expenditure		2,798	138,119	140,917	10,730
Net income/(expenditure)		(444)	8,578	8,134	(1,016)
Transfers between funds	13,14	-	-	-	-
Net movement in funds		(444)	8,578	8,134	(1,016)
Total funds brought forward		673	-	673	1,689
Total funds carried forward	13,14	229	8,578	8,807	673
Represented by:					
Unrestricted fund	13				
General		229	-	229	673
Restricted funds	14				
Chile Consultancy		-	-	-	-
Scottish Government		-	-	-	-
Smart Biogas		-	5,355	5,355	-
Solar Cardboard		-	3,223	3,223	-
Total funds		229	8,578	8,807	673

The notes on pages 15 to 20 form part of these financial statements.

Balance Sheet

As at 30 November 2017

	Notes	General fund £	Restricted funds £	Total 2017 £	Total 2016 £
Investments	7	50	-	50	-
Current assets					
Debtors	8	-	23,206	23,206	5,179
Cash at bank and in hand		955	35,451	36,406	1,949
		955	58,657	59,612	7,128
Creditors: falling due within one year	9	(776)	(50,079)	(50,855)	(6,455)
Net current assets		179	8,578	8,757	673
Total assets less current liabilities		179	8,578	8,757	673
Net assets		229	8,578	8,807	673
Represented by:					
General fund	13	229	-	229	673
Restricted funds	14	-	8,578	8,578	-
		229	8,578	8,807	673

The accounts have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.


Directors' responsibilities:

The directors acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and preparation of the accounts.

For the year ending 30 November 2017, the company was entitled to exemption from audit under section 477 of the Companies Act 2006 relating to small companies.

The members have not required the company to obtain an audit of its accounts for the year in question in accordance with section 476.

The financial statements were approved by the Board on 29 August 2018 and signed on their behalf by:



Joel Chaney
Director

The notes on pages 15 to 20 form part of these financial statements.

1. Accounting Policies

The financial statements are prepared in compliance with FRS 102, the Statement of Recommended Practice - Accounting & Reporting by Charities 2015 (FRS 102), the Charities and Trustee Investment (Scotland) Act 2005, the Charities Accounts (Scotland) Regulations 2006 (as amended) and the Companies Act 2006. In compliance with FRS102 1A, we have not prepared a statement of cash flows.

The charity is a public benefit entity.

Accounting Basis

The financial statements have been prepared on an accruals basis using historical costs. They are prepared on a going concern basis as the Trustees consider that there are no material uncertainties about the Charity's ability to continue as a going concern.

Income

All income including grants and donations are recognised on the Statement of Financial Activities once the charity has entitlement to the resources, it is probable that the resources will be received and the monetary value of income can be measured with sufficient reliability.

Debtors are valued at cost at the year-end and adjusted for any amounts considered to be irrecoverable.

Expenditure

All expenses are recognised when there is a legal or constructive obligation committing the charity to the expenditure, it is probable that it will have to be paid and the monetary value can be measured with sufficient reliability. They are accounted for on an accruals basis and include any irrecoverable VAT. They are allocated to a particular activity where the cost relates directly to that activity.

Creditors are valued at cost at the year-end and split between amounts due in less than one year and amounts due in more than one year.

Government Grants

Government grants are accounted for on the same basis as other income. Income and expenses associated with the grants are matched within each financial year. The grants received have no contingencies attached which extend further than the end of the reporting period.

Donated Services

The charity benefits from the assistance of volunteers who provide support on both the projects and the administration of the charity. The charity also benefits from the use of personal equipment. The benefit to the charity has not been quantified and included in the financial statements.

Investments

Investments in shares are accounted for initially at cost. At the year-end, the Directors review the investment to assess whether there has been any impairment of the valuation and adjust the value accordingly.

Statement of Financial Activities

For the purpose of the Statement of Financial Activities as shown on page 13, funds are defined as follows:

Unrestricted funds comprise income received for the objects of the charity without further specified purpose and are available as general funds which can be used for purposes in agreement with its charitable objectives.

Restricted funds comprise income which has been received for the objects of the charity and specified for a restricted purpose within these objects by the donor.

Pensions

The charity operates a defined contribution scheme. The amount charged to the Statement of Financial Activities in respect of pension costs is the contribution payable in the year.

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Notes to the financial statements for the year ended 30 November 2017

2. Donations	Unrestricted Funds £	Restricted Funds £	Total 2017 £	Total 2016 £
Donations - churches	250	-	250	240
Donations - individuals	2,104	-	2,104	1,057
	2,354	-	2,354	1,297

Income from donations was all unrestricted in 2016.

3. Charitable Activities - income	General fund £	Restricted funds £	Total 2017 £	Total 2016 £
Consultancy income	-	15,647	15,647	-
Grant income	-	119,524	119,524	8,417
Matched funding - Smart Biogas Network	-	11,526	11,526	-
	-	146,697	146,697	8,417

Income from charitable activities was all restricted in 2016.

4. Charitable Activities - expenditure	Staff costs £	Direct and support costs £	Total 2017 £	Total 2016 £
Charitable activities	38,208	102,709	140,917	10,730
	38,208	102,709	140,917	10,730
	<i>(note 5)</i>	<i>(note 6)</i>		
Of which:				
Relating to unrestricted funds	-	2,798	2,798	2,313
Relating to restricted funds	38,208	99,911	138,119	8,417

5. Staff Costs and Numbers	General fund £	Restricted funds £	Total 2017 £	Total 2016 £
Payroll contribution to partner organisations	-	-	-	3,483
Gross salaries	-	38,151	38,151	-
Pension contributions	-	57	57	-
Employer's NI	-	-	-	-
	-	38,208	38,208	3,483

The average number of employees, including contract workers, during the year was 4 (2016: nil). There are no employees receiving pay exceeding £60,000.

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Notes to the financial statements for the year ended 30 November 2017

6. Direct and Support Costs	General fund	Restricted funds	Total 2017	Total 2016
	£	£	£	£
Grants	-	89,078	89,078	331
Project materials	-	3,351	3,351	562
Program/event costs	-	12	12	1,254
Bank fees	161	181	342	25
Communication	-	161	161	1
Desk rental	680	1,560	2,240	340
Insurance	843	-	843	100
IT software and consumables	249	543	792	(11)
Legal expenses	13	-	13	13
Office supplies	48	-	48	248
Accountancy	80	60	140	-
Postage	24	48	72	25
Small tools and equipment	-	412	412	67
Travel and subsistence	-	4,505	4,505	3,874
Training received	-	-	-	200
Miscellaneous	-	-	-	18
Printing & reproduction	-	-	-	200
Independent examiner's remuneration	700	-	700	-
	2,798	99,911	102,709	7,247

Support costs have not been separately identified as the Trustees consider that there is only one charitable activity.

7. Investments	Total
	£
Balance as at 1 December 2016	-
Purchase of 500 ordinary 10p shares in Connected Energy Technologies Ltd.	50
Balance as at 30 November 2017	<u>50</u>

8. Debtors: amounts falling due within one year	General fund	Restricted funds	Total 2017	Total 2016
	£	£	£	£
Grants receivable	-	23,179	23,179	5,000
Other debtors	-	27	27	179
	-	23,206	23,206	5,179

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Notes to the financial statements for the year ended 30 November 2017

9. Creditors: falling due within one year	General fund	Restricted funds	Total 2017	Total 2016
	£	£	£	£
Accruals for grants payable	-	39,125	39,125	-
Deferred income	-	1,372	1,372	6,455
Taxation and social security	-	1,917	1,917	-
Other creditors	726	102	828	-
Directors' loan accounts	-	7,563	7,563	-
Inter-company creditor	50	-	50	-
	776	50,079	50,855	6,455

Deferred income relates to the unspent balance of the Scottish Government Grant. Further details relating to the Scottish Government Grant can be found on p4, 5 & 20 of this report.

10. Liability of Members

The company is limited by guarantee, with the liability of each member limited to £1. There were 6 (2016: 4) members at year end.

11. Directors Remuneration and Expenses

The Directors received no remuneration during the year in their capacity as Trustees (2016: nil). Gareth Selby is employed by the company as a Project Manager and his gross salary for the year was £5,199 (2016: nil). Joel Chaney is employed by the company as Technical Director and his gross salary for the year was £18,245 (2016: nil).

Gareth Selby and Joel Chaney were reimbursed expenses totalling £3,969.61 in relation to flight costs and travel expenses.

Total donations received from the Directors amounted to £1,210 (2016: 1,140)

12. Related Party Transactions

The charity owns shares in Connected Energy Technologies Ltd., a newly formed company registered in Scotland on 7 August 2017. It held 50% of the shares at the date of incorporation and 36.87% at the date of this report. Joel Chaney and Gareth Selby who are Directors of CREATIVenergie are also Directors of Connected Energy Technologies Ltd.

Esther Chaney, wife of one of the Directors, is Secretary to the charity.

CREATIVenergie

Notes to the financial statements for the year ended 30 November 2017

13. Unrestricted Fund	Balance at	Income	Expenditure	Transfers	Balance at
	01.12.16				30.11.17
	£	£	£	£	£
General fund	673	2,354	(2,798)	-	229
Total unrestricted fund	673	2,354	(2,798)	-	229

The General fund represents all income and expenditure of the charity which is not restricted.

14. Restricted Funds	Balance at	Income	Expenditure	Transfers	Balance at
	01.12.16				30.11.17
	£	£	£	£	£
Chile Consultancy	-	5,000	(5,000)	-	-
Scottish Government	-	83	(83)	-	-
Smart Biogas	-	130,967	(125,612)	-	5,355
Solar Cardboard	-	10,647	(7,424)	-	3,223
Total restricted funds	-	146,697	(138,119)	-	8,578

Explanation of funds

The Chile Consultancy fund represents fund granted to develop a smart monitoring system for small-scale off-grid solar energy systems.

The Scottish Government fund represents a grant from the Scottish Government International Development Small Grants Program to conduct a feasibility study in Tanzania entitled 'Increasing the uptake of biogas amongst the currently excluded rural poor'.

The Smart Biogas fund represents grants and matched funding to develop the Smart Biogas Network.

The Solar Cardboard fund represents funding from consultancy income from the University of Edinburgh to design and prototype a more ethical, repairable, recyclable and adaptable solar lamp for use in off-grid communities.