

Engineers Without Borders, Ireland CLG

Directors' report and financial statements for the period
from the date of incorporation to 31 Dec 2016

DIRECTORS' REPORT AND FINANCIAL STATEMENTS
for the year ended 31 Dec 2016

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COMPANY INFORMATION

DIRECTORS

Declan Alcock
Liam McCarton
Billy Holland

SECRETARY

Stephen Down

REGISTERED OFFICE

10 Ben Edair Road,
Stoneybatter,
Dublin 7

BANKERS

Bank of Ireland,
6 O'Connell Street,
Dublin 1

DIRECTORS' REPORT

for the year ended 31 Dec 2016

The directors present herewith their report and audited financial statements for the year to 31 Dec 2016.

PRINCIPAL ACTIVITY

Engineers Without Borders Ireland strategic objective is to bridge the gap between academia, industry and non-governmental organisations to afford Irish engineers and scientists opportunities to learn about and contribute to sustainable development globally. To achieve this core objective the company was engaged in the following principal activities during the year to 31 Dec 2016.

Development Education

“Where there is no Engineer (WTINE) – Designing for Community Resilience” is a design initiative coordinated by the Development Technology Research Group within the Dublin Institute of Technology. The program is delivered in partnership with Concern Worldwide, Engineers Ireland and Engineers without Borders Ireland. The program is funded through DIT by an Irish Aid Development Education Grant. It provides participants with the opportunity to learn about design, teamwork and communication through real, inspiring, sustainable and cross-cultural development projects. By participating in the program, students and professionals will have the opportunity to design creative solutions to real life development projects.

Engineers Without Borders are the partners responsible for organising activities at undergraduate and industry level. On Tuesday the 19th January 2016 EWB Ireland participated in the official launch of the 2016 “Where there is no Engineer – Designing for Community Resilience” Irish Aid Program at St. Laurence’s church, DIT, Grangegorman. The programme was officially opened by Joan Burton TD with other speakers including Deepesh Man Shakya, President of the Nepal Ireland Society and EWB Director Liam McCarton. Members of the Nepalese Ireland community participated in the event which included a showcase of music and Nepalese cultural performances. The event was widely reported on in Nepal featuring in both the Republica and DC Nepal national newspapers (<http://www.myrepublica.com/society/story/35297/engineering-projects-competition-for-nepal-to-be-held-in-ireland.html>). DIT / EWB Ireland subsequently launched the program in DIT, UCD, TCD, UCC and IT Sligo . The specific target groups and numbers are as follows: DIT 8 courses 419 students, TCD 180 students, IT Sligo 25 students. We participated in a number of development workshops held jointly with Concern Worldwide in DIT, TCD, ITSligo and UCD. A number of lunchtime toolboxes were also held with industry to promote the design challenge. The challenge was also promoted through social media and our web material (<http://www.ewb-ireland.org/where-there-no-engineer/>).

Outstanding undergraduate teams, together with professional teams from each region participated in the National Finals where their work was reviewed by a multidisciplinary panel of judges. The WTINE finals took place on Saturday 11th June at St. Laurence’s Church, Grangegorman. The finalists and their individual submissions are included in an appendix to this report. The format of the finals was a “dragons den” style pitch. The winning project was an innovative design for a Biochar Kiln presented by a team from the Product Design Course in DIT, Eoin Cummins, Evan Dowling, Daniel Morgan and Eoin Bracken. We secured funding from an industry source, Davies Group to fund the winning teams trip to Nepal to work with Concern Worldwide to implement their concept.

Arup Trust Innovation Awards: Four project were also selected for “Arup Trust Innovation Awards”. This was a new development within the 2015/16 project where Arup Trust provide funding to support four innovative project within the WTINE program to develop to the next stage. The four Arup Trust Innovation Award projects selected in the 2015/16 program were “Portable Biogas Unit for Alternative Fuel Source”, Ciaran McSharry, Jonas Robineau, Rory O’Donnell, Joe McLean from DIT, “A Waste Management System for Disease Control” Joseph Bollard, Fiona Brennan, Conor Dempsey, Sinead Nolan EWB UCD, “Human Powered Washing Machine”, Ben Frost from DIT. We also selected a number of project for support within the EWB Ireland group as follows; “Visual and Aural First Aid App”

Guillem Gonzalez Gimeno, IT Sligo, “Bottle-Cycle Products” Paul Rushe, Niall McGonigle IT Sligo and “Information, Data & Repair Service for Remote Communities” Fiacc O’Brolchain, Ross Galbraith, Declan Byrne (external team). Of these EWB projects the visual and aural first aid app was supported to a design stage and the app has been released in Nepal. This component of the WTINE competition was considered an important development to encourage future participants and to support the innovation and talent which was evident in the competitors. EWB Ireland subsequently worked with the winning team together with DIT and Concern to arrange logistics for the winning team to travel to Nepal. A follow on workshop was held in the ESHI Greenway Hub on Saturday 22nd October 2016 with each of the innovation teams to assist them to identify additional inputs required to bring their concepts forward.

Annual Engineers Ireland Conference

EWB Ireland worked together with Engineers Ireland who promoted and co-hosted events in their headquarters and regionally as required (www.engineersireland.ie). EWB Ireland together with DIT hosted a week long series of workshops in January 2016 targeted at both industry professionals and undergraduate participants within the WTINE program (<http://www.ewb-ireland.org/january-workshops/>). These consisted of the following; Monday 18th January 2016: Emergency Architecture and Resilient Engineering, one day workshop for Architects and Structural Engineers. Tuesday 19th – Friday 22nd 2016: 4 day design workshop for Civil Engineers. Thursday 21st January 2016 : Design for the Bottom of the Pyramid Practical Product Design. These workshops were part of the WTINE program and were open to Architects, Designers, Civil, Structural, Mechanical Engineers and any other professional or student interested in learning about design for development.

During the annual Science, Technology and Engineering program for schools (STEPS) DIT & EWB organised a development education conference entitled “Engineering a better future” on Monday 29th February 2016 at Engineers Ireland (<http://www.ewb-ireland.org/photos-from-ewb-annual-conference-2016/>) . The speakers included Martin Schildkamp, Smart Shelter Foundation, Dominic Mac Sorley, CEO Concern Worldwide, Tom Oldfield, Director ORBAS, Sean Byrne, WTINE 2015 Winner, Declan Alcock, Director EWB Ireland. The day started off with a lecture in the conference room on “Understanding the Seismic Behaviour of Non-Engineered Building Techniques for Nepal” by Smart Shelter Research. This was attended by representatives of NGOs involved in building projects in Nepal who learned from Martijn Schildkamps extensive experience in building with rubble stone, confined masonry and alternative materials and techniques. Martijn also provided case studies of the schools he built in Nepal which all survived the earthquakes. Martijn was also a keynote speaker at the evening conference. An Architect and founder of three Smart Shelter divisions with a passion for alternative materials and experimental construction techniques, Martijn has researched, designed and built numerous projects in Sri Lanka, India, Nepal and Indonesia. Along with his expertise on earthquake proof construction Martijn gave his views on the current state of the Aid Industry and the treatment of the Rohingya in Burma. Dominic McSorley, CEO of Concern-Worldwide and renowned humanitarian spoke about lessons learned from Haiti 5 years on.

Tom Oldfield, Director of SORBAS spoke about his work as a humanitarian professional managing a refugee camp for Rohingya refugees in Bangladesh, and in the response to cyclone Nargis in Myanmar. Sean Byrne and Thomas Carrigg, part of the winning team of “Where There is No Engineer” 2015 gave an update of their recent trip to Marsabit, North Kenya where they built a prototype of the “Modified Airdrop System”. EWB-Ireland Director Declan Alcock presented a review of the continued growth of “Where There is No Engineer”.

Engineers Without Borders College Branches

Engineers Without Borders have established student branches in UCD and UCC. The focus of these college student groups is to foster and promote an active interest and involvement in science and engineering and to encourage consideration and discussion of the challenges facing sustainable engineering in both the engineering and wider community. EWB Ireland also hosted a series of workshops in DIT in October 2016 as follows; Tuesday 25th October 2016 – Design for Nepal and Thursday 25th / Friday 26th entitled “building with waste”. We also hosted a workshop in Cork Institute of Technology on Wed 24th October. Attendance at these professional events was CDP accredited.

Engineers Without Borders UCD Student Branch

Within UCD the college branch engage in a number of activities at college level and also within primary and secondary schools. They organised a number of workshops in 2016 involving practical hands on applications of the fundamental principles.

EWB Nepal Activities 2015

To mark the one year anniversary of the 2015 Nepal earthquake DIT / EWB Ireland participated in a conference in TCD (<http://www.ewb-ireland.org/conference-to-mark-1st-anniversary-of-nepal-earthquake/>) . The conference was open to the public with a focus on post-earthquake recovery projects, including project collaboration and peer networking. The aim of the conference was to create a platform for interaction, networking and information sharing for all International Non-Governmental Organisations and individuals based in Ireland who have been working in Nepal or have an interest in Nepal. The conference was attended by a number of WTINE participants within the colleges and we gave a presentation about our WTINE dev ed program.

DIT / EWB Ireland also participated in the Nepal Ireland Day (<https://dublin.ie/whats-on/listings/nepal-ireland-day/>) hosted by the Embassy of Nepal in London, Nepal Tourism Board and Nepal Ireland Society on 4th September 2016 to mark the 17th anniversary of the establishment of diplomatic relations between Nepal and Ireland. The event took place at Farmleigh, Phoenix Park in Dublin and we held an information stall on the WTINE project activities.

Habitat for Humanity

EWB Ireland initiated a collaboration with Habitat for Humanity which will see EWB Ireland sharing resources and offering training to volunteers throughout 2016.

RESULTS FOR THE PERIOD AND STATE OF AFFAIRS AT 31 DECEMBER 2016

We incurred program expenditure of €61 during the year leaving the company with a surplus for the period of €2,439

DIRECTORS AND SECRETARY

The persons who at any time during the financial year were directors or secretary of the company are listed on page 2.

In accordance with the Articles of Association all of the directors of the company retire at the Annual General Meeting and being eligible offer themselves for re-election.

DIRECTORS' RESPONSIBILITIES STATEMENTS

The directors are responsible for preparing the Directors' Report and the financial statements in accordance with Irish law and regulations.

Irish company law requires the directors to prepare financial statements giving a true and fair view of the state of affairs of the company and of the profit or loss for each financial year.

DIRECTORS' REPORT

for the year ended 31 Dec 2016 (Continued)

Under that law the directors have elected to prepare financial statements in accordance with the companies Act 2014 and FRS 102 "The financial Reporting Standard applicable in the UK and the Republic of Ireland" issued by the Financial Reporting Council. Under company law the directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the assets, liabilities and financial position of the company as at the financial year end date and of the surplus or deficit of the company for the financial year and otherwise comply with the Companies Act 2014.

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

- Select suitable accounting policies and then apply them consistently;
- Make judgments and estimates that are reasonable and prudent;
- State whether the financial statements have been prepared in accordance with applicable accounting standards, identify those standards, and note the effect and the reasons for any material departure from those standards; and
- Prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for ensuring that the company keeps or causes to be kept adequate accounting records which correctly explain and record the transactions of the company, enable at any time the assets, liabilities, financial position and profit or loss of the company to be determined with reasonable accuracy, enable them to ensure that the financial statements and Directors' Report comply with the Companies Act 2014.

BOOKS OF ACCOUNT

The directors are responsible for ensuring that proper books and accounting records, as outlined in Section 281 to 285 of the Companies Act 2014, are kept by the company.

The books and accounting records are maintained at the company's registered office, 10 Ben Edair Road, Stoneybatter, Dublin 7.

AUDITORS

The directors have availed of the provisions of the Companies Act 2014 to avail of an audit exemption under the provisions of a small company.

On behalf of the Directors

Declan Alcock

Liam McCarton

Date: 27 June 2017

STATEMENT OF FINANCIAL ACTIVITIES
for the year ended 31 Dec 2016

	2016	2015
	<i>Unrestricted Funds</i>	<i>Unrestricted Funds</i>
<i>Note</i>	€	€
Revenue		
- Fundraising activity	2,500	-
Expenses		
- Program expenses	(61)	(241)
	<hr/>	<hr/>
Net surplus for the year	2,439	(241)
	<hr/> <hr/>	<hr/> <hr/>

The statement of financial activities has been prepared on the basis that all operations are continuing operations. There are no recognised surpluses and deficits other than those passing through the statement of financial activities.

Approved by the directors on 27 June 2017

Declan Alcock

Liam McCarton

Directors

STATEMENT OF FINANCIAL POSITION
at 31 December 2016

	<i>Note</i>	2016 €	2015 €
Current Assets			
Cash at bank		2,872	433
		<hr/>	<hr/>
		2,872	433
		<hr/>	<hr/>
Net Current Assets		2,872	433
		<hr/>	<hr/>
Total Assets less Liabilities		2,872	433
		<hr/> <hr/>	<hr/> <hr/>
Funds of the organisation			
Unrestricted reserve		2,872	433
		<hr/>	<hr/>
Funds of the organisation		2,872	433
		<hr/> <hr/>	<hr/> <hr/>

Approved by the directors on 27 June 2017

Declan Alcock

Liam

McCarton

Directors

CASH FLOW STATEMENT for the year to 31 Dec 2016

	2016	2015
	€	€
Net Cash inflow/(outflow) from operating activities	(61)	(241)
Capital Expenditure	-	-
Increase / (decrease) in cash	<u>(61)</u>	<u>(241)</u>

NOTES TO THE FINANCIAL STATEMENTS

for the year ended 31 December 2016

1. GENERAL INFORMATION

Engineers Without Borders, Ireland is a company limited by guarantee incorporated in the Republic of Ireland.

2. ACCOUNTING POLICIES

Statement of Compliance

The financial statements are prepared in accordance with the Companies Act 2014 and FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland" issued by the Financial Reporting Council. The company has applied the recommendations contained Charities SORP (FRS 102) effective 1 Jan 2015.

Accounting convention

The financial statements are prepared under the historical cost convention

Foreign currencies

The financial statements are expressed in euro (€).

Income

Income from events is recognised as earned and received.

Grants from governments and institutional donors, are recognised as income when the activities which they are intended to fund have been undertaken, the related expenditure incurred, and there is reasonable certainty of receipt.

Expenditure

Expenditure is recognised when a liability is incurred.

Fund Accounting

Unrestricted funds are general funds that are available for use at the boards discretion in furtherance of the objectives of the charity.

Restricted funds are those received in a particular area for a specific purposes, the use of which is restricted to that area or purpose and the restriction means that the funds can only be used for specific projects or activities.

Cash

Cash and cash equivalents include cash on hand, demand deposits and other short term highly liquid investments with original maturities of three months or less.

3. SIGNIFICANT ACCOUNTING JUDGEMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY

The preparation of these financial statements requires management to make judgement, estimates and assumptions that affect the application of policies and reported amounts of assets and liabilities, income and expenditure.

Judgements and estimates are continually evaluated and are based on historical

experiences and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The judgements and estimates used have not had a material impact on the financial statements.

NOTES TO THE FINANCIAL STATEMENTS (Continued)

for the year ended 31 December 2016

4. STAFF

The company had no employees during the period. All activities were undertaken on a voluntary basis.

5. LEGAL STATUS

The company is incorporated under the Companies Act, 2014 limited by guarantee and not having a share capital.

Each member of the company undertakes to contribute to the assets of the company in the event of it being wound up while he is a member or within one year afterwards, for payments of the debts and liabilities of the company contracted before he ceased to be a member, and the costs, charges and expense of winding up, and for the adjustment of the rights of the contributions amongst themselves, such amount as may be required, not exceeding €1.

The number of members at 31 December 2016 amounted to 15

6. APPROVAL OF FINANCIAL STATEMENTS

The directors approved the financial statements and authorised them for issue on 27 June 2017.

