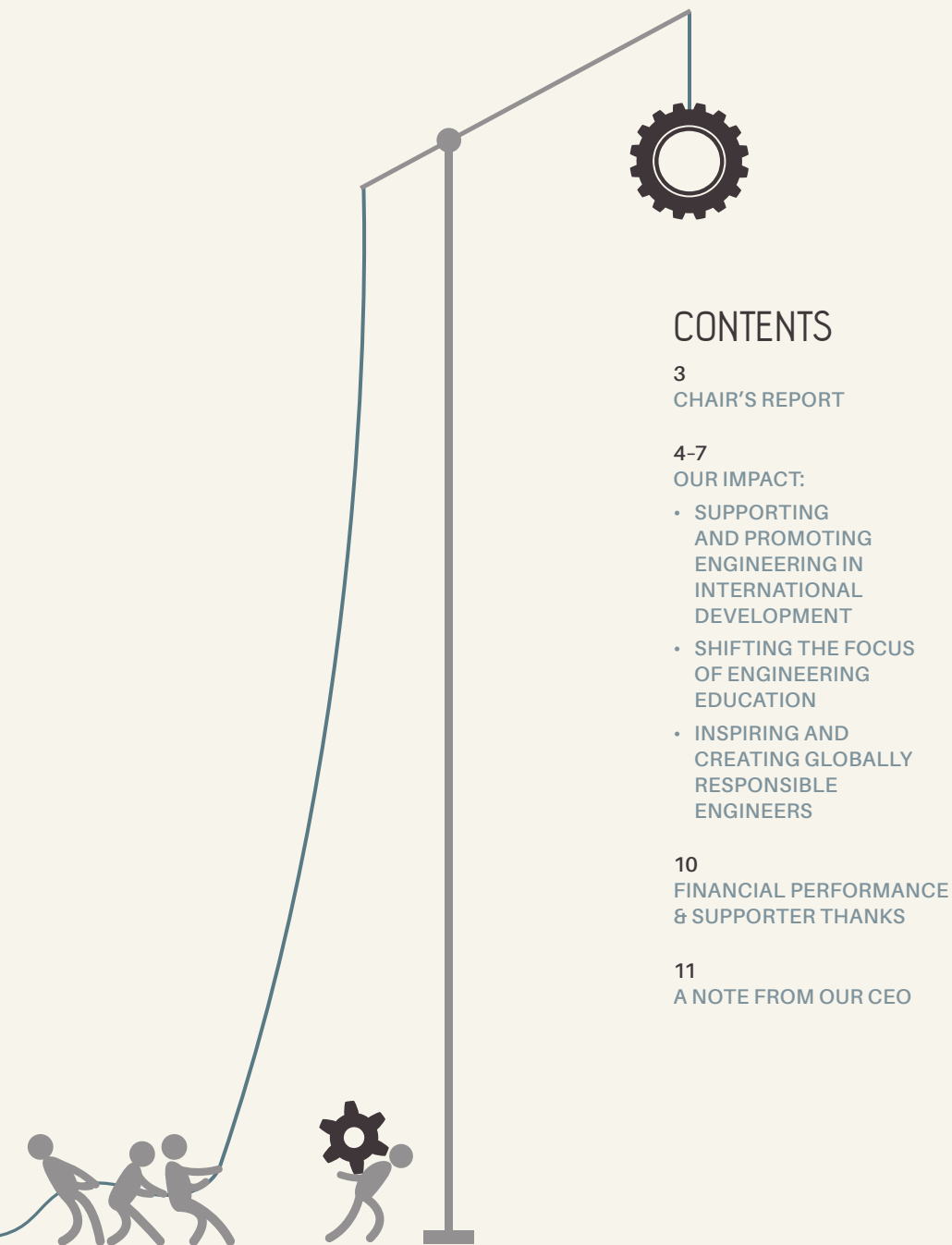




UK
ENGINEERS
WITHOUT BORDERS

ANNUAL REVIEW 2014





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CHAIR'S REPORT

As Chair of the Board of Trustees, it's my pleasure to report on 2014 from the perspective of the Trustees.

The role of Chief Executive of EWB-UK is of crucial importance to the charity and the company. The Chief Executive leads the organisation on a day-to-day basis and is accountable to the Board for the operational management of EWB-UK.

Jonny Gutteridge, who had been Head of International Partnerships for the previous two years, took over as Chief Executive in September 2013 and led EWB-UK until July. We are grateful to Jonny for his sterling service to the organisation.

We are fortunate to have recruited Doug Harper to lead EWB-UK as Chief Executive since August 2014. His plans for more focus and consolidation have the full support of the Board.

But of course the chief executives are not the only members of staff. The Trustees would like to thank all employees of EWB-UK, past and present, who have been with us during 2014. I apologize for not mentioning them all by name, but I would especially like to thank Kora Korzec and Jen Byram, Heads of Engagement and International Partnerships respectively, who both left towards the end of 2014 for personal reasons. I'm pleased that Kora, Jen and Jonny remain close friends of EWB-UK and I'm sure their names will crop up again in the near future.

Besides strategy and staffing, another key issue exercising the minds of the Trustees during 2014 has been fundraising and finances. Throughout most of the last three years, EWB-UK has operated on a knife-edge. It's great credit to the executive team – supported by the Board Finance and Fundraising Committees – that we've continued with very little disruption to activities. I'm pleased to say that, at time of writing, our finances are in a much healthier state.

As Chairman I'd particularly like to thank Matt Rees, our Treasurer up to the end of 2014, and Rachel Haynes, the Chair of the Fundraising Committee, who will be stepping down from the Board in a few months' time. We welcome Sam Rose as our new Treasurer.

In conclusion, EWB-UK has been through some significant changes during the year. The Board is confident that under the leadership of Doug Harper the organisation will go from strength to strength.

Peter Hansford
Chair of the Board of Trustees

01 February 2015



Stephen Platt on an
EWB-UK International
Placement with
Learning Planet in Nepal
© EWB-UK, Stephen Platt

OUR IMPACT: SUPPORTING & PROMOTING ENGINEERING IN INTERNATIONAL DEVELOPMENT

For over a decade, Engineers Without Borders UK has recruited, trained and supported engineers to deliver technical and educational projects in developing communities around the world. Alongside its International Placements Programme, EWB-UK now also facilitates international education courses and we support our members to deliver development projects through the member-led partnerships initiative.

During 2014, branch members developed ten member-led partnerships with organisations in Africa and the Americas. Through the delivery of two international education courses we introduced dozens of people to earth-friendly technologies in Mexico and others explored the issues of the environment, poverty, equality and justice in India.

EWB WARWICK MEMBER LED PARTNERSHIP: SUSTAINABLE ENERGY IN TANZANIA

As part of a member-led partnership with I Love Windpower Tanzania, four students from Warwick University researched the viability of a wind energy system for Kemgesi, a rural village in the north of the country. The project will improve the community's livelihood by providing the local school and community at large with light and charging points for electronics, and will hopefully lead to the establishment of a mini-grid to be run commercially.

In late August, under the guidance of visiting EWB Warwick volunteers, the residents of Kemgesi participated in community consultations, learned to build wind turbines during construction workshops, and built and installed a 1kW turbine to power the Dr Omar Ali Secondary School.



Images: Above: MLP: Warwick University and I Love Windpower, Tanzania. Right: Ruth Fuller and Steven Johnson, Health Poverty Action in Rwanda

EWB-UK INTERNATIONAL PLACEMENT: IMPROVING SANITATION FOR SCHOOL CHILDREN IN RWANDA

Ruth and Steven spent three months in Rwanda where, with local partner Health Poverty Action, they oversaw the construction of ecosan toilets, improving the access to hygienic facilities of over 4,000 local school children.

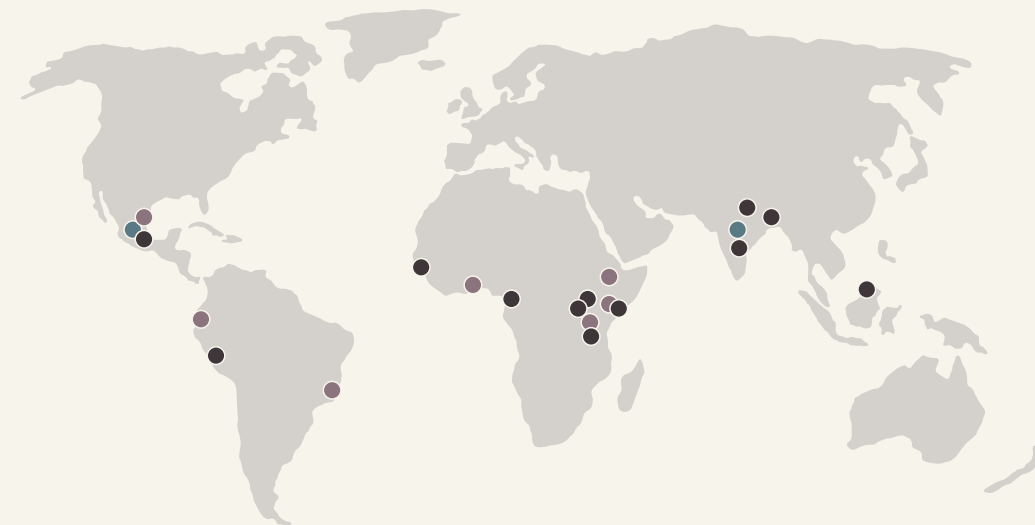
But beyond gaining valuable knowledge of implementing a construction project with UK-trained engineers, HPA staff can now rely on Ruth's Construction Guide to replicate the ecosan toilet design and construction to a good standard.



In 2014
OVER 60 EWB-UK VOLUNTEERS worked with 23 partners organisations on development projects **IMPROVING THE LIVES OF OVER 30,000** beneficiaries in Africa, Asia & the Americas.

OUR INTERNATIONAL PROJECTS IN 2014

- International placements
- Member-led partnerships
- International education courses



OUR IMPACT: SHIFTING THE FOCUS OF ENGINEERING EDUCATION

Engineers have a fundamental role to play in addressing the issues faced by society today. Issues such as climate change, inequality, poverty, resource degradation and depletion, population increase and urbanisation all require engineers to address them. To do this, engineers must be globally conscious and responsible. This requires a change in how engineers are educated.

SUPPORTING ACADEMICS TO CHANGE THE ENGINEERING SYLLABUS

Our engagement in the EU 'Global Dimension in Engineering Education' initiative has resulted in supporting the publication of 45 chapters of material providing engineering academics with the background they need to understand the global dimension in engineering concept and practical means of implementation.

INSPIRING THE NEXT GENERATION

We've also been busy inspiring the next generation of engineers and responsible global citizens through our Schools Outreach programme. As well as a presence at national events, such as the Big Bang Fair, EWB-UK branches delivered more than 25 interactive workshops in primary and secondary schools throughout the UK, raising awareness about global poverty and the role that engineering and technology can play in addressing it.

THE EWB CHALLENGE

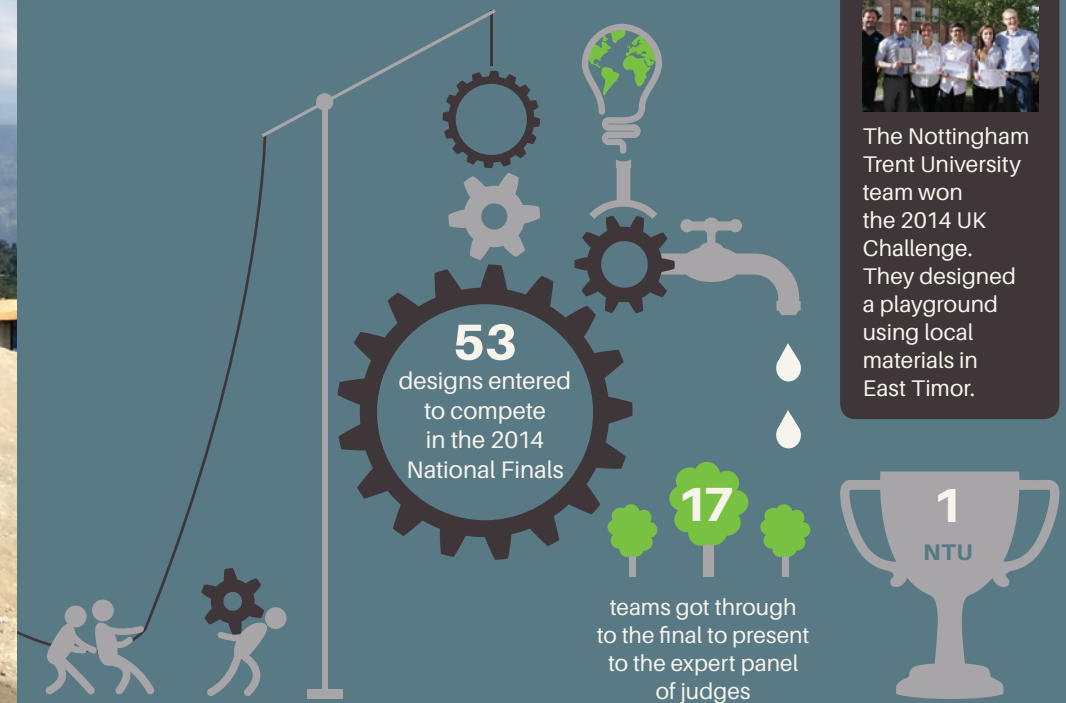
The EWB Challenge is an inter-university team design competition that crowdsources ideas from more than 10,000 students in Australia, Ireland, Malaysia, New Zealand and the UK for the benefit of EWB community partners. It is run as an embedded module within engineering and design curricula enabling academics to include development, sustainability and social context into university engineering courses. EWB-UK is part of the international coordinating team and delivers the EWB Challenge to universities in the UK and Ireland.

"More than 4,000 students are currently undertaking the EWB Challenge in the UK and Ireland - meaning we're already reaching approximately 14% of the entire UK undergraduate engineering intake."

—
Katie Cresswell-Maynard
Head of Learning, Research & Innovation



The Nottingham Trent University team won the 2014 UK Challenge. They designed a playground using local materials in East Timor.



Above: NTU students with EWB-UK CEO Jonny Gutteridge and their academic Matt Watkins.

†This is based on the UCAS total accepted applicants for engineering in 2014; 29,110. Available at: https://www.ucas.com/sites/default/files/eoc_data_resource_2014-dr3_010_01.pdf (last accessed 12/02/2014)

OUR IMPACT: INSPIRING & CREATING GLOBALLY RESPONSIBLE ENGINEERS

We work through our members; a network of students and professionals from across the country who organise local events and deliver aspects of our initiatives.

In 2014 we had more than 30 branches at universities throughout the UK and within engineering firms.

EWB Birmingham won their student union 'Creative and Exceptional Event' prize for their 'Pear Jam', an EWB-UK fundraising event. EWB Bath and EWB Plymouth both also won their student union's Best Overall Society and Community Involvement Awards respectively.

Individuals involved with EWB-UK continue to achieve national success. Four volunteers, Aimi Elias, Sakthy Selvakumaran, Jamie Radford and Pip Jeffries have served as ICE President's Apprentices during 2014 and Sophie McPhillips won the NCE Graduate of the Year award.



EWB-UK is also a great stepping stone to further work in the development sector. Two former volunteers, John Phillips and Alex Davies, have gone on to work for UNMISS and another, Ces O'Hanlon, now work for MSF.

"The challenges facing the construction industry definitely have a global consideration and I believe my experience with EWB-UK has encouraged me to be a much more globally focused engineer. My involvement with EWB-UK is a key part of my selection to be a President's Apprentice."

—
Pip Jeffries
ICE Presidential
Apprentice &
EWB-UK Volunteer



"I've developed an unbelievable range of skills and knowledge as an EWB-UK volunteer. The judges were really impressed when I talked about my placement in The Gambia and my commitment to make an impact in the communities I was working with."

—
Sophie McPhillips
NCE Graduate of
the Year & EWB-UK
volunteer



"There is no way I would have been selected by MSF to close down an Ebola treatment centre in Sierra Leone, or run a surface water treatment works in South Sudan without the opportunities I had with EWB-UK."

—
John Phillips
UNMISS



Dan Craddock on a data collection trip for the EWB Challenge in Cameroon
© EWB-UK, Dan Craddock

"I spent three months in Mexico City on a placement with EWB-UK. I now work full time as a water and sanitation engineer for an international humanitarian organisation. EWB-UK, and the inspirational partner organisation in Mexico, gave me the opportunity to take that first step into the world international development."

—
Francesca O'Hanlon
Médecins Sans Frontières
& former EWB-UK
Placement Volunteer

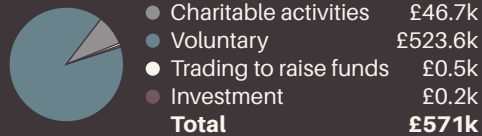


Martin Findlay on an EWB-UK placement in Cameroon with Reignite Action for Development
© Reignite, Martin Findlay

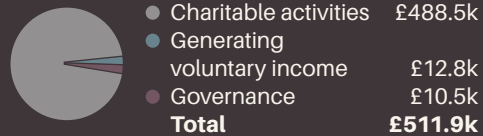
FINANCIAL PERFORMANCE

(Financial year ending 05 Apr 14)

INCOME £570,977



SPENDING £511,853



PLATINUM

(£100,000+):

Anglo American Foundation

GOLD

(£50,000 - £99,999):

The Halcrow Trust

SILVER

(£20,000 - £49,999):

Arup
Alcoa Foundation
Bechtel Foundation
EuropeAid
Royal Academy of Engineering

BRONZE

(£5000 - £19,999):

Black and Veatch
Data Centre
Dynamics
Johnson Matthey
Liberty Global
Newton
Russell Laing Trust
SKM
Virgin Media
Water for People

FRIENDS

(£365 - £5000):

Bain Foundation
London Scottish Football Club
Mott MacDonald
World Business Council
for Sustainable Development
Logikal Projects
Sophie McPhillips
Peter Drumble
Hydrogeology

WE NEED YOUR HELP

Engineers Without Borders UK relies on its volunteers, supporters and members to continue our valuable work.

To expand the impact that we have on engineering education in the UK and in developing communities around the world we need your help.

Please visit our website to find out how you can donate or get involved in some other way:

www.ewb-uk.org

Alternatively, text **EWBX14 £10** to 70070 to donate £10 and make a difference today.

A NOTE FROM OUR CEO

2014 has been a great year for Engineers Without Borders UK. Despite organisational and financial challenges, our volunteers have supported more community led projects than ever before and we've reached more school children, students and academics with our learning initiatives. As we look to the future, we look to consolidate our organisation and ensure the highest quality in all that we do.

In 2015 our aim will be the same as ever - to inspire, mobilise and support people to use science, technology and engineering to address global challenges.

Doug Harper
Chief Executive

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