

HAPPOLD FOUNDATION



Our impact in 2023-2024

Chairs Welcome



“

Welcome to our latest Impact Report. I am very proud to be able to share some of the fantastic work that we have been able to support over the last twelve months, as well as detail some of the exciting changes that have been happening at the Foundation.

Our inspiring partner organisations have been working on projects that are designed to enhance the lives of people and their communities. Our financial support helps deliver their work in areas such as education, human development and knowledge sharing. We are committed to supporting organisations that focus on improving lives and prioritising diversity and inclusivity. This report highlights some of the impressive work that our partner organisations have been involved with over the last year.

In the last twelve months we have been delighted to welcome more members to the Happold Foundation community, including new trustees, hub leaders, ambassadors and directors. Our people are essential to enabling us to provide the most effective support possible to the organisations we work with, and their expert knowledge is going to be invaluable to our continued growth. We are very grateful to their ongoing dedication and hard work.

A key development over the last few months is our aim to create a USA charitable arm of the Foundation. While we already support projects in the USA, setting up an independent charity will open up more opportunities in the region and allow the Foundation to continue to extend their reach more widely.

Finally, following a design competition with Buro Happold, this year also saw us adopting a brand new logo.

Looking forward, we are developing a new scholarship programme, that helps students interested in a career in engineering to have better access to quality university education. The next year will also see us reach our 30th Anniversary. We look forward to updating you about some of the events we have in store to celebrate this milestone.

”

Ian Maddocks
Chair, Happold Foundation

The Happold Foundation is a charity dedicated to supporting organisations that use engineering to improve people's lives. We fund projects that undertake vital work in addressing challenges such as the climate emergency, social inequality and inclusion.

Our funding programmes strive to support initiatives that are designed to better the lives of marginalised communities, encourage greater access to education and improve the sustainability of the built environment.

We work across four key focus areas to ensure our resources reach as many communities as possible.



Human Development

Our [Human Development](#) focus area supports our partner organisations who work with communities in under-developed areas on high quality engineering projects that improve health and wellbeing.



Futures

Our [Futures](#) focus introduces pupils aged 6-18 to Engineering, Maths, Science and Technology. We engage with partner organisations who work with teachers and schools to run exciting, hands-on education programmes that teach children about sustainable design in the natural and built environment.



Education

Our [Education](#) work supports undergraduate students who want to pursue a career in engineering and design, through funding scholarships and awards. We also celebrate academic teaching excellence through our awards programme.



Thinking

Our [Thinking](#) offer brings together people from all over our industry to discuss, debate and share knowledge on issues society is facing, the impact it is having on our cities and infrastructure, and how engineers will respond to these issues, with particular focus on climate change, health, and sustainable development. We facilitate events, workshops and lectures.

Our Commitment to Sustainable Development Goals

Protecting our environment underpins our work at the Happold Foundation. We work with partner organisations who have the same commitment to sustainability as we do, and we support them by providing funding for projects that put green design, equality and education at the forefront of what they do.

First established in 2015 by the United Nations, the 17 Sustainable Development Goals form a roadmap for ending poverty, protecting the planet and tackling inequalities. Used across organisations, businesses and charities across the globe, the Goals form a blueprint for sustainable development.

The following pages will provide an insight into our commitment to the SDGs and highlight the goals each Focus Area contributes to.



Our impact in

Human Development



Credit: Build It International

With the numbers of people living in poverty and economic exclusion continuing to rise, the need to access sustainable housing, education, healthcare and utilities is more important than ever.

We provide grants to organisations that work with communities in rural and underdeveloped locations helping provide access to energy and clean water, build affordable homes, teach technical skills and help their graduates find jobs in the construction industry.

■ £90k funding ■ Three Organisations Grants



Credit: Build It International

The Happold Foundation has been providing Organisational Grants as our main funding programme for Human Development projects since 2019. The grants provide £30,000 unrestricted funding per year for three years.

Our Organisational Grant partners 2023-2025 are: Reall, Build it International and Renewable World.

Reall

Reall is a charity that strives to improve the lives of thousands of people living in Asia and Africa by delivering affordable homes. Combining pioneering green technologies with a holistic approach to building houses, Reall work with local governments and third sector organisations to develop housing projects for people on low incomes. Since they were established over 30 years ago, they have built over 14,000 homes and invested £17m in 167 projects. The grant has enabled them to continue their work in building new homes, infrastructure and utilities to support some of the world's poorest communities to improve their quality of life.

In 2023 - 2024, the Organisational Grant has helped Reall with:

- Running **IFC EDGE Green Buildings** training for staff, leading to three architects (from a long-standing partner organisation) passing the EDGE Expert Exams, with another partner currently going through the training process with committed funds to pay for the certification
- Co-hosting a workshop with the **Kenya Green Building Society**, with a focus on securing commitment from banks and developers to developing a roadmap for the future of financing housing in Kenya

Looking forward to 2024 - 2025, Reall has a number of projects including initiatives based in Pakistan and the Philippines, as well as continued work in Kenya.



Attendees at the Green Affordable Housing Workshop - Credit Reall

Build It International

Build It International is a charity based in Zambia that delivers work and training opportunities for some of the many young people who live below the poverty line. Through their **Training into Work** programme, Build It helps students develop skills in the building sector, providing entry level training in areas such as bricklaying, carpentry, decorating and tiling. The programme also offers life skills, mentorship, pastoral care and links to local employers.

As part of their training, the young people work on community construction projects, including building new schools, medical centres and facilities such as latrines and wash stations. This important work not only provides invaluable experience for the trainees, it also strengthens the local community, helping people to support themselves and their families.

2023 also saw Build It complete its Centre for Excellence building, the training centre that will be home to all of the charity's construction courses.

Build It International has completed 56 community build projects in Zambia, including:

- 42 schools
- Four health and maternity clinics
- Latrines, houses and wash stations
- Completing the final phase of the Centre for Excellence

The organisation's Training into Work programme has also:

- Supported 1,824 young people
- Established a respected training organisation



Credit: Renewable World

Renewable World

Renewable World's mission is to enable the world's poorest people to access clean energy, empowering them to develop livelihoods and improve their quality of life. The charity strives to have impacted 500,000 people in Kenya and Nepal by 2030.

The Organisational Grant funding is helping Renewable World to deliver its **Powering People and the Planet** strategy, which encompasses energy for health, education, climate, livelihood and catalytic impact. The strategy focuses on using solar power and other clean technologies to provide water and energy, as well as providing training to communities on how to fully utilise their new systems.

In the last year, Renewable World have

- Reached over 50,000 people in Kenya and Nepal
- Provided 7,911 people with improved access to energy for productive use
- Trained 387 people in climate-smart architecture Electrified eight health centres which serve over 21,000 people

Sustainable Development Goals

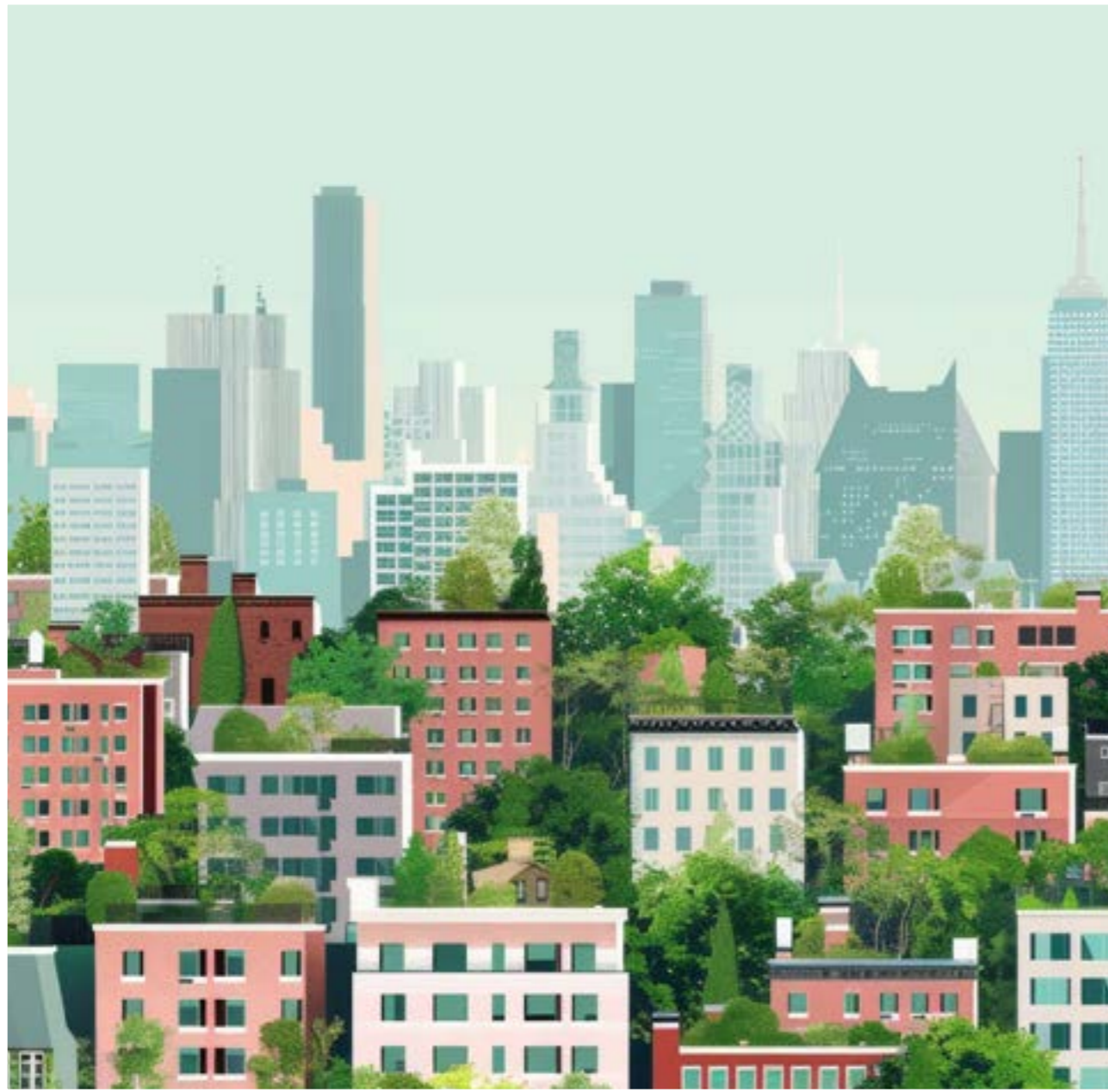
Focusing on:



Positively impacting:



Our impact in Thinking



Sharing knowledge and offering opportunities to discuss and debate the key issues impacting the sector is an important element of our work at the Happold Foundation. We believe that being at the forefront of new ideas and discovering solutions to issues such as the climate emergency, inclusion and diversity, we can lead the way in creating the future of the built environment.

£15k funding ■ Three City Conversations

The focus of our Thinking Hub is our City Conversation events. Held throughout the year, the Conversations bring together a panel of industry experts and a live audience to debate key themes in the built environment. Run in partnership with Ngenuity, the Conversations attract an average of 100 participants for each event.

From Crunch to Crisis: How the Energy Economy Will Reshape Our Lives

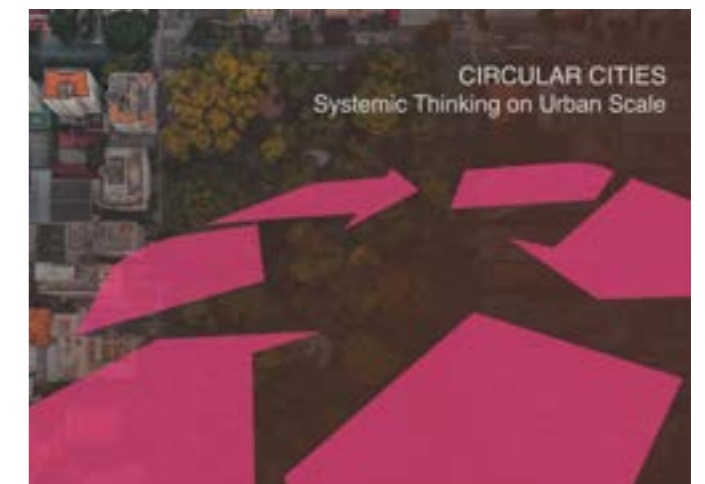
In April 2023, this conversation saw a panel of economists, scientists, and professionals from the energy demand and supply sectors discuss the energy crisis and the rising costs for those who can least afford it. The panel explored how we can lessen the immediate impact of the crisis and plan for a more resilient future.

City Conversations – Only Connect: How can we join up Transport and Development

Held in October 2023, we discussed how, with pressures to boost growth and cut pollution, cities can better use their resources. The conversation explored the transport aspects of sustainable development and looked at issues such as why the UK transport and housing development is disconnected, and how spatial planning and Geographic Information System (GIS) can create better connected cities.

City Conversations Circular Cities: Systemic Thinking on Urban Scale

In February 2024, we explored how rapid urbanisation is leading to mass overconsumption and pollution, generating around 70% of global carbon dioxide emissions and increasingly unliveable urban environments. The Circular City model emphasises efficient material cycles, the use of renewable energy and at the same time the preservation of biodiversity, the promotion of culture and the prioritisation of health.



Sustainable Development Goals

Focusing on:



Conversations in:

Our impact in Futures



Credit: Matt+Fiona

Enabling our partners to create educational opportunities for young people is a key focus of the work we do at the Happold Foundation. We provide funding to initiatives that work with children aged 5-18 to ignite that early interest in engineering and the built environment. We strive to support projects that are environmentally conscious and socially inclusive.

- £100k funding
- Three Organisations Grants
- Projects in the UK and USA



Credit: Catalytic Action

The core funding for our Futures focus area is our Organisational Grant, which provides £30,000 unrestricted funding per year for three years to organisations that work in the areas of education and the built environment.

Our organisation grant partner are: Class of Your Own (Year 1) Matt + Fiona (Year 2) and Catalytic Action (Year 2).

Catalytic Action

Catalytic Action is a charity that uses design and architecture to empower children, young people and their communities. Working across 20 countries, the team of architects, artists, builders and educators run collaborative build and research projects with local communities, empowering them to take part in the creation of their built environment. Since 2015, Catalytic Action have worked with 2,500 children, built 47 projects and run over 700 participatory activities.

2023 saw the charity fully fund a project for the first time. Based in Beirut in Lebanon, over 30 teenage girls were engaged to work on a project addressing how public spaces can better meet woman's needs. Following 14 activities over several weeks, Catalytic Action co-created a design brief for the built interventions. The design phase is currently underway.

In addition, 2023 saw Catalytic Action work on several projects across the Globe, including:

- Co-designing several projects in Lebanon, including working with a community group to develop a new skate park in Tripoli, and working on **Ecoplay** in Beirut, a play space that

utilises recycled materials.

- Collaborating with **Arup** to put together the **Playful Cities Design Guide**, which will inspire urban developers to embed play elements for children and young people in UK cities.
- Working in Italy with local association **Black&White** to support the design for an outdoor community space in Castel Volturno. The project involved engaging 70 children and young people of different nationalities and helping to plan a space that would meet their needs and well-being.



Credit: Catalytic Action



Credit: Matt+Fiona

Matt + Fiona

Matt + Fiona is a charity that works with young people to empower them to shape their own spaces. By delivering engaging educational programmes, the organisation delivers projects for children to work on improving the built environment for their communities, designing spaces from concept to completion. So far, the charity has worked with over 4,500 young people across 37 build and installation projects.

We are delighted to be able to continue to support Matt + Fiona over the last year. 2023 - 2024 has seen the charity's second year as one of our Organisational Grant recipients.

2023 was a significant year for the charity as they were able to continue to grow. Projects included:

- Working with the **Built Environment Trust** to develop a series of workshops for Key

Stage 2 children. 971 children and teachers discovered how materials such as straw, timber, compost waste and other sustainable materials can be used to create an eco-friendly urban environment.

- Developing a series of workshops using modular cardboard pieces to create a design for a **Mini Home of the Future**. Hosted by the **Museum of the Home**, the workshops were run in partnership with a local primary school. The designs were scaled up to a full-size model for children to explore.
- Partnering with local authorities and **Latimer** to work with young people in Colchester to design a new garden community. This included running a Young People's Forum, Schools Design Challenge and Summer Studio for young people age 11-18.

Our work in the USA

The Happold Foundation is privileged to have a team of people across the United States who have developed close relationships with some amazing organisations providing innovative and engaging education programmes across the USA to encourage the next generation towards a career in engineering and architecture..

ACE Mentorship Program

The Happold Foundation sponsors scholars on the **The ACE Mentor** programs in New York and Chicago. These are free after school programs designed for high school students (particularly from minority and underserved backgrounds) who are interested in architecture, engineering or construction. Mentors guide students through the fundamentals of technical design, while also developing a pseudo-design project which is presented to an audience at the end of the season.

In addition to the scholarships, we also secured staff from Buro Happold to provide mentoring and work experience placements at their New York and Chicago offices.

LA Promise Fund - The Intern Project

Working with High School students across Los Angeles, the **LA Promise Fund** is a non-profit organisation that helps young people to access college and further education. They are particularly focussed on securing placements for students who are at risk of oppression or marginalisation. Since they were first established in 2014, they have provided opportunities for over 850 students, with 97% of those gaining college placements.

During 2023, the Happold Foundation supported two students with paid internships at Buro Happold offices. The internship programs also provides mentoring, career development workshops and other enrichment opportunities.



LA Promise Fund students

Sustainable Development Goals

Focusing on:



Conversations in:



Our impact in Education



Our support of initiatives that promote the education of our future engineers is an important part of the work we do at the Happold Foundation. We believe that by providing opportunities for young people to thrive in their education, we can help them to shape their careers in the built environment. We seek to fund programmes that enhance the experience of engineering students and their studies in our industry.

- £30k funding
- Ted Happold Prize
- Happold Brilliant Award

In the last year, our funding focussed on specific projects and initiatives that strengthen the education of university students studying engineering. The Foundation has provided support to projects in the UK and the US, providing opportunities for students as well as recognising high quality teaching.

The Happold Brilliant Award

Every year, we celebrate the educators that demonstrate excellence in the teaching of building services engineering. In partnership with the **Chartered Institute of Building Services Engineering (CIBSE)**, we sponsor the **Happold Brilliant Award**, which is presented to an institution that provides outstanding education provision. The award provides a £1000 prize to the winning institution.

In October 2023 the Happold Brilliant Award was presented to **Hong Kong Polytechnic Institute**, recognising their contribution to outstanding teaching in building services engineering.

NRAC Accessibility and Inclusive Design Training

Recent years has seen a dramatic increase of interest in and demand for inclusive design and accessibility, but there is a shortage of specialists with appropriate training and experience. So this year the Happold Foundation partnered with the **National Register of Access Consultants (NRAC)** to fund the development of a new career development training module primarily geared towards existing architecture and engineering professionals wishing to specialise in accessibility and inclusive design.

We hope to have courses up and running by October 2024. The NRAC will be offering heavily discounted places for people on low income.



Bath University Ted Happold Prize

Now in its fourth year, the initiative gives final year students from across Bath's Faculty of Engineering and Design the opportunity to work within an interdisciplinary team to design a project based on an architectural brief. The entries are assessed by a panel of judges, with awards given for first, second and third place.

This year, the brief was to create a new Higher Education institution and industry innovation hub for 5,750 students in Swindon, UK. Designed to act as the public face of a regional university and industry collaboration, in addition to creating an environment to inspire 16-18 year old students to study STEM (science, technology, engineering, arts and mathematics) fields. Teams needed to design a space that would support training workshops, meeting facilities and exhibition spaces.

When developing their projects, the teams needed to consider the practical use of the building, the architecture and building design and the geographical location of the development. The students were briefed to use the principle of 'leaving no-one behind' and to consider the Sustainable Development Goals (SDGs).



Group 10's The Retrofit Institute

2024's third place was awarded to **Group 22**, for their project '**The School of Material and Sculpture Studies (MASS)**'. Second place was awarded to **Group 17** for their design '**Re: Institute**'.

The **Ted Happold Prize** was awarded to **Group 10**, for their project '**The Retrofit Institute**'. Their design focused on reinvigorating the area to inspire young people and creating new job opportunities for professionals, by embracing future technology as a tool rather than competition in labour-intensive sectors. The library features as the public face of their plans, with a 1:1 prototyping workshop sitting at the heart of the campus.



Group 10's The Retrofit Institute



Students taking part in a Pando Days activity

Our work in the USA: Pando Days

This year the Happold Foundation sponsored the Pando Days 2023 project season. Pando Days is a non-profit organization that was created to address the challenges of the **LA County Sustainability Plan** through civic engagement.

The program activates student teams at colleges, universities and trade schools across LA County to develop visionary projects aimed at implementing the core elements of the Sustainability Plan.

Over the course of the fall semester, 16 teams of students from 12 colleges developed innovative solutions tackling urban biodiversity, disaster preparedness and resilience, urban heat island effect, food insecurity and composting, beach pollution, and much more.

Sustainable Development Goals

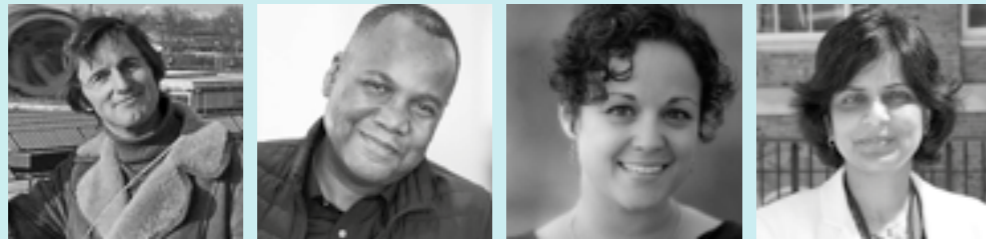
Focusing on:



OUR TRUSTEES AND EXECUTIVES

Our Trustees provide essential support, knowledge and guidance to enable us to run our initiatives and continue to develop new programmes. Their hard work and commitment allows us to continue furthering the impact that engineering has on our world.

The executive team are the guardians of the Happold Foundation, working hard to ensure it is healthy, resilient and sustainable so that it continues to do great work far into the future.



Ian Liddell CBE Robert Okpala Sarah Sachs Dr. Priti Parikh, FICE, CEng, FRSA



Tom Newby Matthew Happold Fergus Anderson Celia Way



Clare Gholam Kitty Walker Sam Youdan

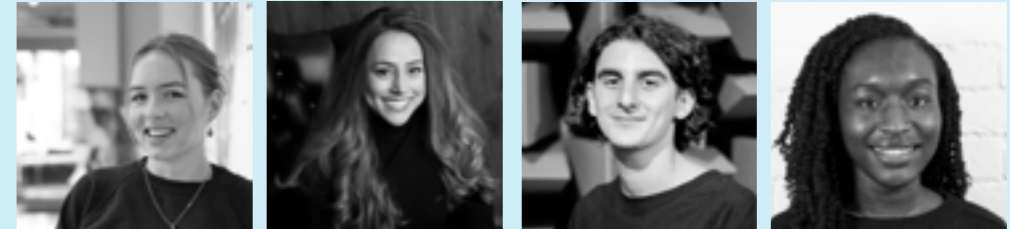
OUR EXECUTIVES



Ian Maddocks, Chairman Lorraine Milne, Secretary Jonathan Fox, Treasurer Alison Ulldemolins, Communications Director

OUR AMBASSADORS

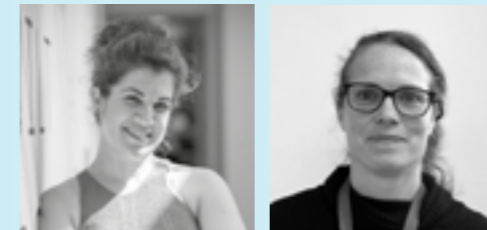
Our Ambassadors provide invaluable support representing the Happold Foundation and the projects we sponsor by volunteering their time to help arrange events, Chair Conversations and develop relationships with partner organisations.



Rhea Balmforth Laura Plazas Leo Fernandez Shinade Wilson

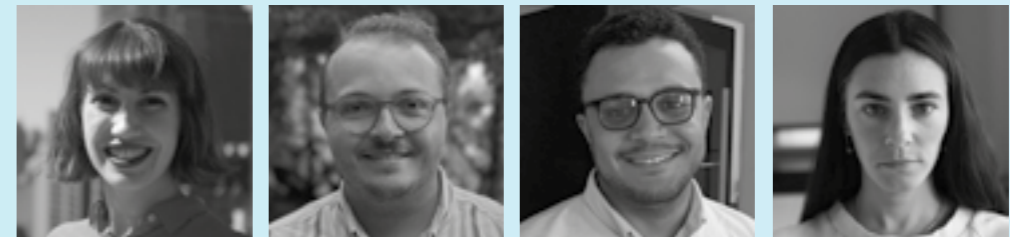


Maddie Adas Storm Hayward Olivia Hughes Abi Donald

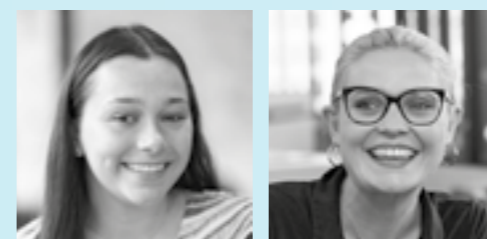


Myrto Skreta Krikou Nyomi Rowsell

OUR AMERICAN AMBASSADORS



Hannah Valentine, New York John Sloane, New York Trevor Reynolds, New York Jaclyn Hersh, San Francisco



Rachel Deradoorian, Chicago Kathleen Hetrick, Los Angeles

HAPPOLD FOUNDATION



Since our charity was founded nearly 30 years ago, we have worked to encourage and promote those working in the built environment to help shape the future of engineering.

We understand how engineering can make a difference, so we talk about the key issues that affect us, support tomorrow's engineers, provide engineering services and career training to communities most in need and encourage thought leadership throughout our community.

The Happold Foundation

Levels 5-8, The Featherstone Building
66 City Road
London, EC1Y 2AL, UK

www.happoldfoundation.org

THE HAPPOLD FOUNDATION
 INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING
 30 April 2024

	<u>2024</u>	<u>2023</u>	<u>2022</u>	<u>2021</u>	<u>2020</u>
INCOME					
Donations received	360,000	300,150	241,002	182,004	249,280
Bank Interest	600	168	4	10	251
	<u>360,600</u>	<u>300,318</u>	<u>241,006</u>	<u>182,014</u>	<u>249,531</u>
EXPENDITURE					
Covenanted payments	-	-	-	-	-
Donations and scholarships	213,307	202,128	164,626	170,528	224,917
Legal and Professional	4,386	4,955	4,200	5,805	1,150
Student sponsorship	-	-	-	20,400	24,700
Sundries & Administrative Expenses	8,559	764	2,076	634	7,830
	<u>226,252</u>	<u>207,848</u>	<u>170,902</u>	<u>197,367</u>	<u>258,597</u>
Net Surplus (Deficit) for year	134,348	92,470	70,104	- 15,352	- 9,065

THE HAPPOLD FOUNDATION
BALANCE SHEET FOR THE YEAR ENDING
30 April 2024

	<u>2024</u>	<u>2023</u>	<u>2022</u>	<u>2021</u>	<u>2020</u>
CURRENT ASSETS					
Bank and building society accounts	487,104	352,757	260,287	190,183	205,535
	<u>487,104</u>	<u>352,757</u>	<u>260,287</u>	<u>190,183</u>	<u>205,535</u>
CURRENT LIABILITIES					
Creditors	-	-	-	-	-
	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Net	<u><u>487,104</u></u>	<u><u>352,757</u></u>	<u><u>260,287</u></u>	<u><u>190,183</u></u>	<u><u>205,535</u></u>
GENERAL FUND					
Balance brought forward	352,757	260,287	190,183	205,535	214,600
Surplus (Deficit) for the period	134,348	92,470	70,104	- 15,352	- 9,065
Net	<u><u>487,104</u></u>	<u><u>352,757</u></u>	<u><u>260,287</u></u>	<u><u>190,183</u></u>	<u><u>205,535</u></u>

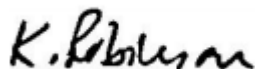
External Scrutiny Report to the Trustees of the Happold Foundation

Accounts for the Period to 30th April 2024

I have reviewed the Financial Statements for the Happold Foundation for the year ending 30th April 2024 using the records and information provided to me by the trustees.

I have inspected the bank statements to check both the transactions made during the year and balances held at the end of the year. I have found no evidence of any misstatement or incorrectly recorded transactions in the underlying records.

I am not a trustee of the foundation.

A handwritten signature in black ink, appearing to read 'K. Robinson'.

Katie Robinson ACA
25/10/2024