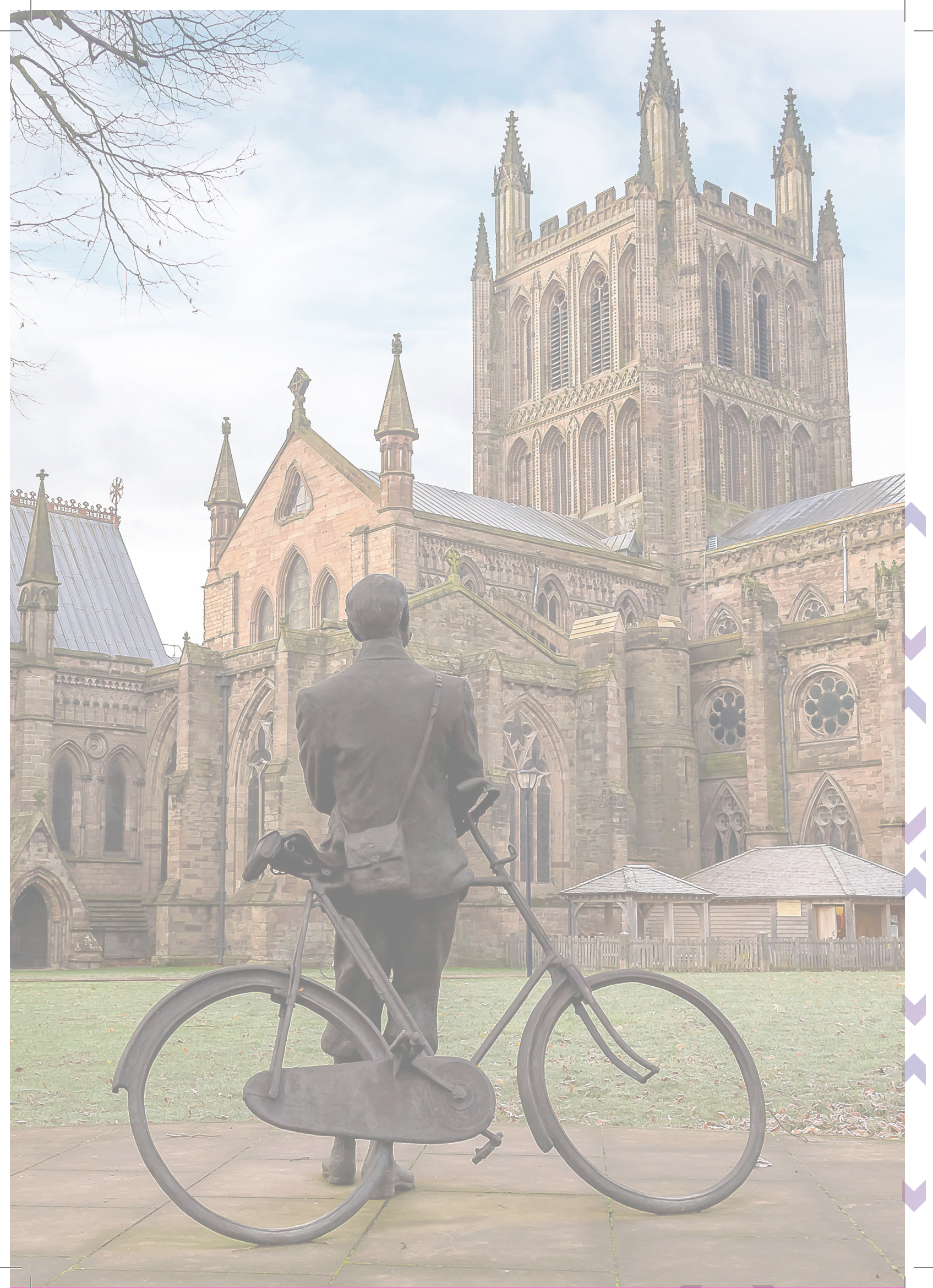


New Model

in Technology
& Engineering

NMiTE 2018/2019
PROGRESS REPORT





Dear supporters

Welcome to our 2018/2019 Progress Report.

This report is proof of how far we have come in the last 12 months, with 2019 being a pivotal year in NMiTE's growth. We hope you find the information enclosed to be of interest, bringing you up to date with our continuing development.

The following pages will give you a brief overview of the accomplishments that have been achieved with your support. The team at NMiTE have received numerous awards and accreditations, hosted a multitude of events, built partnerships with scores of local and national businesses, and inspired hundreds of young people to consider a career as Britain's future engineers.

At NMiTE we are determined to engage fully with Hereford and the surrounding area. True to this ethos, one of our core propositions is to encourage future NMiTE learners to contribute to the Herefordshire community in a meaningful way - both through our courses and in their free time. You will read about the numerous community projects that our 25 Design Cohort Participants became involved in during their time with us - from sports clubs, to drama groups, to Lego exhibitions and more. It is exciting to imagine the impact that our full cohorts of future learners could make to the country.

2020 promises to be another significant year for NMiTE as we continue to strive towards our goal of becoming an innovative New Provider of higher education in the UK. Many of you have supported the project, and not just financially. We are grateful for your time, your expertise, and your ongoing friendship. We really could not have got this far without you. Thank you.

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

Professor Elena Rodriguez-Falcon, FIET, PFHEA, FCMI

Key Moments in 2018/19

The NMiTE Team:

We grew from 15 to 32 permanent members of staff.



We said farewell to 25 Design Cohort Participants, who partnered with us to co-create NMiTE's academic approach and learner experience.



Six members of the Design Cohort returned to NMiTE on fixed-term contracts as Trial Learners, helping us to perfect and trial the proposed learning programme and student experience. The Trial Learners completed their contracts in December, but we will see them again in the future.

"Being a part of NMiTE has been nothing but a great experience, I have learnt so much, broadened my engineering horizons, and met many interesting people"
- Morgan, Design Cohort Participant



Spaces:

We are using funding of £2.34m from the Marches LEP to transform the former Robert Owen Academy at Blackfriars. The vacant buildings are currently being completely renovated to provide over 3,000 square meters of state-of-the-art teaching space, studios and workshops.

The Marches LEP released a further £5.66m to fund the development of three new buildings at Skylon Park in Hereford Enterprise Zone.

The expanding NMiTE team moved to a new, larger office at Gardner Hall on Venns Lane.



Fundraising and Partnerships:

£16m worth of support has been generated from private sector sources in the last 18 months, including:

- Licenses for cutting-edge CAD software from Dietrich's, a provider of specialised software for the timber construction industry.
- £9.5m worth of electronics design & test software from Pulsonix, a leading provider of electronic design automation software.
- £200,000 worth of Solid Edge software from One PLM Ltd., providing industry-leading Mechanical Design.
- A substantial donation of educational equipment and in-kind contributions to research and development from Quanser, the global standard in engineering lab equipment.



Stephen and Woof Hay Event (Oct 2019)



Women of Herefordshire Event (July 2019)

Over £50,000 from public engagement events that have been hosted by friends of NMiTE to raise funds and awareness for the project.

Over £400,000 of donations and pledges to support the Pioneer Fund. This will enable us to provide the best possible start for our first 50 learners, as well as pay for their tuition and accommodation for their first year of study with NMiTE.



We have been engaging with over two hundred local and national businesses, many of which have become formal Partners, hosted industry placements for Design Cohort Participants, and set real-life engineering challenges. These businesses will play a pivotal part in delivering NMiTE's practical and employer-led programme.



Academic Programme:

We continue to refine our proposed Academic Programme and elements of it have been trialled by our colleagues, the Trial Learners, to provide valuable feedback in advance of the arrival of the Pioneer Cohort.

We held two Open Days where potential future engineers took part in a real life engineering project, visited the new learning spaces, spoke to the NMiTE team, met with NMiTE partner organisations and explored the city of Hereford.

Armed Forces:

NMiTE and five of our employer partners signed the Armed Forces Covenant, demonstrating our commitment to armed forces members, leavers, veterans and their families.

We were awarded a prestigious Silver Award through the Armed Forces Covenant Employer Recognition Scheme.



"We share your view that learning is life long and we believe it can cover the transition from military life into civilian life. I am sure that you and others can provide the training and skills to serving people and their family members"
- Councillor Barry Durkin, Chairman, Herefordshire Armed Forces Covenant



Individual Achievements:

Our CEO, Professor Elena Rodriguez-Falcon, won the Regional Award for the Stem Leader Category in the Forward Ladies National Awards and Summit 2019. Elena was also elected as a Fellow of The Institute of Engineering Technology and The Chartered Management Institute.

Professor Helen Rogers was elected Fellow of the Institute of Physics.

Professor Martha Guerrero-Mata was elected Fellow of the Institute of Materials, Minerals and Mining.

Reaching future engineers:

Our community engagement programme, the Ingenuity Studio, visited 15 schools across four counties, delivering STEM activities to 1184 students. It has landed at four major festivals, reaching thousands of potential engineers.



Members of the Design Cohort delivered presentations to students at schools in Hereford to generate interest in engineering careers.



The team attended numerous careers fairs, giving practical demonstrations and capturing the imaginations of young people.



Honorary Professor Peter Goodhew produced a comprehensive and detailed chronicle of the first 10 years of NMITE's history titled: "Idea to Inauguration", which will be available online in the New Year.

Continuing Professional Development:

We officially launched our Lean Manufacturing CPD courses with Avara Foods as Anchor Partner, and our Defence & Security courses with 3CDSG as Anchor Partner.

We delivered the first of our Business Start Up workshops to military leavers. These workshops have been successfully accredited by The Institute of Leadership and Management.



NMiTE in the Community

NMiTE aims to be a major asset to the city and county, not just economically but civically too. We believe that our future learners should form a key part of the local community and be fully engaged in the city that will be their home for 46 weeks a year, for three years.

During their time at NMiTE, the Design Cohort Participants got involved in a wide range of extra-curricular activities, bringing their energy and imagination to the Hereford community:



Taking part in, and volunteering for, local events such as Hereford Parkrun, the Lego Brick History Exhibition at Hereford Museum, and Vennture's Lean on Me initiative



Participating in annual festivals and events such as H.Art, the Big Education Conversation, Herefordshire Council Take Over Day and the Canary Girls' Memorial Bike Ride

"Within two weeks of joining NMiTE I had joined a street jazz dance class, I found a Girlguiding Unit so that I could continue leading Guides as I had done in Wales, I had volunteered and ran at the Hereford Racecourse parkrun and befriended the local pub pool players."

- Geena, Design Cohort Participant

Joining sports groups, such as the Tupsley Ladies Football Team, Hereford Rowing Club, Hereford Triathlon Club and Hereford Rugby Club



Joining Performing Arts and Music groups, such as Laura Gale's Dance School, Ludlow Amateur Dramatics Society, Hereford Choral Society and Hereford French Circle



Designing and developing a tool to help a seven-year-old girl with partially-formed fingers learn to play the violin



Initiating conversations with key community members and organisations, such as Herefordshire Council, Market Town Mayors, local businesses, Hereford Library and Rural Media projects

Our Vision for 2020

2020 will be another significant year for NMiTE, and below are just a few examples of our plans. As ever, we need your help to continue innovating and growing so that our local, national and regional presence can be truly transformational.

Becoming a New Provider of Higher Education:

We are continuing to work through the rigorous approval processes of the regulatory framework required to become a New Provider of Higher Education in the UK. The strict requirement of ensuring academic quality and standards is pivotal to the strong global brand of UK higher education, and it is vital that our proposed curriculum and educational strategy meet these standards. Our major goal for 2020 is to complete these processes so that we can make the final push towards recruiting and welcoming our first cohort of learners.



Blackfriars:

NMiTE Blackfriars, which was funded by a Marches LEP grant of £2.34m, will be completed in 2020, and will provide the learning space for the first two to three years of student intake. The space will include 10 studios, each accommodating groups of up to 25 students, as well as other breakout, technical, and quiet spaces. The ground floor will house a sophisticated engineering “factory”, where students will have access to high-specification tools and equipment.

North Magazine Development:

The Hereford Enterprise Zone board has approved a 3.9 acre site on the North Magazine of Skylon Park at Rotherwas for three new buildings: The Centre for Advanced Timber Technology, the Centre for Automated Manufacturing and the Centre for Future Skills. This ground-breaking project, which has received £5.66m of funding from the Marches LEP, will provide state-of-the-art teaching and learning spaces at the heart of Hereford's industrial hub in preparation for the development of our first Degree Apprenticeship programmes.



Continuing Professional Development Courses:

The first CPD courses offered by NMiTE were launched in 2019. These have been tailored to fill the current skills gaps that have been identified by employers. Throughout 2020 a suite of courses focusing on Future Skills will be launched. These courses will develop the skills that companies are going to need to prepare their workforce for significant changes to roles that Industry 4.0 and Artificial Intelligence automation will trigger.



Ingenuity Studio 2:

Following the success and popularity of the Ingenuity Studio, NMiTE is working with Vinco Sales Ltd to convert a shipping container in to NMiTE's second mobile engineering lab. Hitting the roads in 2020, Ingenuity Studio 2 will enable NMiTE to widen its reach and have a presence at more schools and events across the nation.

Thank You

It has taken nine years and over two hundred visionaries, employees, trustees, volunteers, advisors and supporters working together to bring NMiTE to the point where we are close to welcoming our very first engineers in the Making. The Department for Education, the Department for Business, Energy & Industrial Strategy, Herefordshire Council and The Marches LEP are key institutional players in our journey. We are grateful for the support of generous organisations and individuals, who have donated their funds, time and expertise to help deliver this important project. Thank you.

Key Outputs in 2018/2019: A summary of what your support helped us to achieve last year...



Ingenuity Studio:

We engaged with young people across the country, promoting engineering as a profession that is accessible to all.



Academic Programme:

Our Academic team and Design Cohort continued to develop and refine our academic programme in preparation for the rigorous approval processes set by the regulatory framework for UK higher education.



Partnerships:

Our Partnerships team collaborated with local, national and regional businesses to ensure that NMiTE's programme is relevant and employer-led.



Marketing:

NMiTE's marketers increased NMiTE's visibility, creating a strong organisational brand to attract the very best future engineers.



Campus Services:

We continued to prepare and develop a portfolio of administrative centres, student accommodation and learning spaces across the centre of Hereford.



Fundraising:

Our Fundraising team continued building strong relationships with generous individuals and organisations, connecting them with NMiTE's vision and ensuring that NMiTE has the financial means to grow and innovate.

Partner Organisations:

ABT Products Ltd.*
allpay Ltd.*
Arctic Circle Ltd.*
Avara Foods Ltd.
Balfour Beatty plc*
Barrs Court Engineering Ltd.*
Business Checkmate Ltd.
Caplor Energy Ltd.
Caplor Horizons

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Kinetic Six Ltd.
Level Peaks Ltd.
Minerva Elite Performance Ltd.
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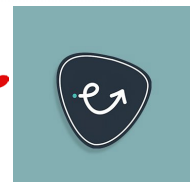
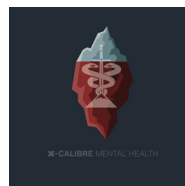
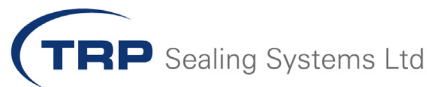
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