Dear Chancellor,

We are writing to share with you the National Engineering Policy Centre's submission to the 2020 Comprehensive Spending Review. Please find a copy of the submission, *Engineering a resilient and sustainable future*, as attached.

Led by the Royal Academy of Engineering, the National Engineering Policy Centre is a partnership of 43 of the UK's professional engineering organisations with a combined membership of over 450,000 engineers. It connects policymakers with critical engineering expertise to inform and respond to policy issues of national importance, giving policymakers a route to the best independent advice available from across the whole profession, and access to the unified voice of the engineering profession on shared challenges.

The National Engineering Policy Centre recognises that the 2020 Spending Review is one of the most important in a generation. Investing in the engineering actions we set out will result in progress for all of the priorities of the Spending Review, not only increasing jobs and skills and levelling up through investment in infrastructure, innovation and talent, but also securing the UK's place in the world, improving public services and establishing the UK as a science, engineering and innovation superpower.

- **Net zero**: We set out priorities for progressing a step change to achieve a thriving, low-carbon economy while creating skilled jobs across the country, for instance by deploying and integrating existing low carbon technology and prioritising low-carbon retrofit and refurbishment of the existing building stock.
- **Innovation**: Go beyond the ambition for the UK to be a science superpower to create a science, engineering and innovation superpower which fully realises the economic and social benefits of our science base, makes the UK a more attractive place for businesses to invest in R&D, and supports small businesses to upskill and adopt digital technologies.
- **Education and skills**: plan for the long-term engineering and skills need, with an education system fit for the future and a plan for training, up-skilling and reskilling to ensure we have diverse engineers and technicians needed to deliver the government's ambitious plans.
- **Infrastructure**: We outline action on how to progress delivery of high-performing infrastructure that improves productivity, collective wellbeing, social inclusivity, healthy lifestyle choice, safety, security and resilience.

If government takes these practical actions proposed by the National Engineering Policy Centre it will create more jobs and prosperity across the nation, addressing the needs of our future society with efficiency, sustainability and resilience.
We would be delighted if you were able to meet with representatives of the Policy Centre to discuss how we would be able to work with you further during and after the Spending Review process.

With best wishes,

**Professor Sir Jim McDonald FREng FRSE**
President, Royal Academy of Engineering

**Paul Fletcher FRSA FBCS**
Chief Executive, BCS The Chartered Institute for IT

**John Hansen CEng MIET FinstNDT**
President, British Institute of Non-Destructive Testing

**Dr Gavin Dunn, FCABE, Chartered Building Engineer**
CEO, Chartered Association of Building Engineers

**Stuart MacPherson PhD CEng FCIBSE**
President, Chartered Institution of Building Services Engineers

**Ann Allen MBE FRICS**
Chief Executive Officer, Chartered Institution of Civil Engineering Surveyors

**Sue Percy CBE FCIHT FIAL MRTPI**
Chief Executive Chartered Institution of Highways and Transportation

**Kevin Wellman Eng Tech FCIPHE RP MCGI FCMI MIoD FinstLM**
Chief Executive Officer, Chartered Institute of Plumbing and Heating Engineering

**Terry Fuller**
Chief Executive, Chartered Institution of Water and Environmental Management

**Steve Holliday FREng FIE**
President, Energy Institute

**Alasdair Coates CEng FICE MCIHT CMIOSH**
Chief Executive Officer, Engineering Council

**Dr Hilary Leever**
Chief Executive, Engineering UK

**Stephen Turner MA, MSc, HonFIOA**
President, Institute of Acoustics

**Paul Hemingway CEng FIAgrE**
President, Institution of Agricultural Engineers

**Stephen Hill FICME**
President, Institute of Cast Metals Engineers

**Nick Baveystock DL CEng FICE FinstRE CCI**
Director General and Secretary, Institution of Civil Engineers

**Jon Prichard CEng FICE FinstRE**
Chief Executive, Institution of Chemical Engineers

**Libby Meyrick FRSA**
Chief Executive, Institution of Engineering Designers

**Nigel Fine**
Chief Executive, Institution of Engineering and Technology

**Steve Spender CEng HonFIHE**
Chief Executive, Institute of Highway Engineers

**Pete Sellars CEng FIHEEM**
Chief Executive Officer, Institute of Healthcare Engineering and Estate Management

**Kirsty Akroyd-Wallis BEng(hons) CSEP CEng MIET MINCOSE**
President INCOSE UK

**Dr Colin Church FIIMMM CEnv MCIWM**
Chief Executive, Institute of Materials, Minerals and Mining

**Stephanie Smith**
Chief Executive, Institute of Measurement and Control
Terry Spall CEng FI MechE
President, Institution of Mechanical Engineers

Professor Paul Hardaker FIInstP FR MetS C Met
Chief Executive Officer, Institute of Physics

J D Acornley MA CGI FIInstRE
Chief Executive, The Institution of Royal Engineers

Lynn Cooper CPFA CEnv
Chief Executive, Institute of Water

Blane Judd BEng FCGI CEng FIET FRSA FCIBSE FCIPHE FIInstLM
Chief Executive, Institution of Railway Signal Engineers

Martin Powell
Chief Executive, Institution of Structural Engineers

Sarah Beacock FEI
CEO, Nuclear Institute

Stephen Barber
Chief Executive, Permanent Way Institution

Sir Brian Burridge FRAeS
Chief Executive, Royal Aeronautical Society

Dr Jacqueline Ward MBE, HFSaRS, CPsychol, CSci, AFBPsS
CEO, Safety and Reliability Society

Michael Sweetmore EngTech MSOE MIRTE
President, Society of Operations Engineers

Aamir Khalid
Chief Executive, The Welding Institute