

To mark World Engineering Day for Sustainable Development on 4 March, the Royal Academy of Engineering is launching a new series of videos showcasing how engineering is vital to tackling the UN Sustainable Development Goals (SDGs).

The videos, featuring Academy awardees, partners, and engineers from around the world, each focus on a different goal and give an example of the role engineering is playing in building a more sustainable and inclusive world for all.

The videos are hosted on a new SDG hub on the Academy's website which features further information to explore the examples in more detail, along with additional links and case studies.

We welcome your support in sharing the videos and webpages over the coming weeks to help demonstrate the vital role of engineers working in partnership to address the SDGs.

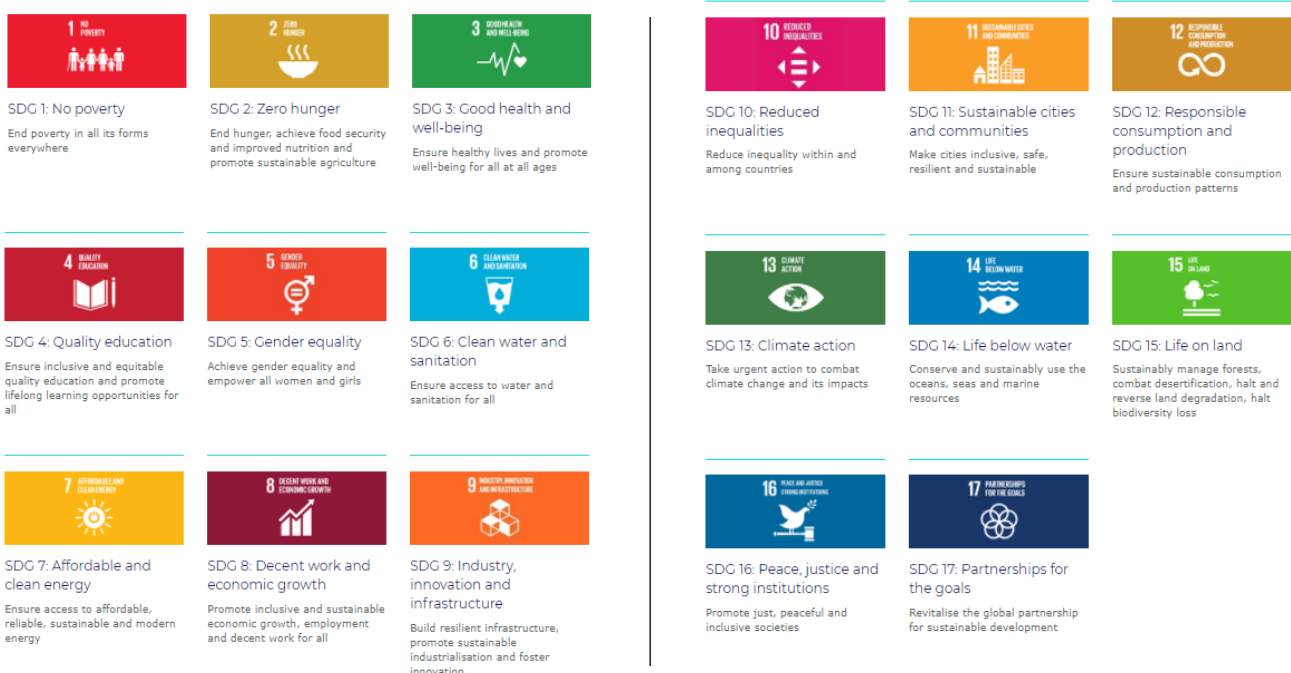
The SDG videos

The new videos are now live on the Royal Academy of Engineering website. Explore them at:

- raeng.org.uk/SDGs

The videos also feature in [a playlist](#) on the Royal Academy of Engineering YouTube channel, from where they can be embedded into your own webpages or social media posts.

Each of the videos will be previewed on the dates below in the run up to World Engineering Day on the [@RAEngGlobal Twitter channel](#). We welcome your support in sharing the videos on these dates and on 4 March itself.



The Royal Academy of Engineering supports the Sustainable Development Goals

Date	SDG	Name, Location Role <i>Royal Academy of Engineering programme, if applicable</i>	Link	Twitter handles	
Thursday 18 February	SDG 1 No poverty	Irshaad Vawda , South Africa CEO, Engineers Without Borders	raeng.org.uk/SDG1	@irshaadv	
Friday 19 February	SDG 2 Zero hunger	Dr Jeffrey Smithers , South Africa Secretary General, Pan African Society of Agricultural Engineering <i>GCRF Africa Catalyst awardee</i>	raeng.org.uk/SDG2		
Saturday 20 February	SDG 3 Good health and wellbeing	Kitty Liao , UK CEO and Founder of Ideabatic <i>Enterprise Fellow</i>	raeng.org.uk/SDG3	@ideabatic	
Sunday 21 February	SDG 4 Quality education	Professor Peter Goodhew CBE FEng , UK Honorary Professor, NMITE <i>Chair, Engineering X Engineering Skills Where They Are More Needed programme</i>	raeng.org.uk/SDG4	@good2reader	
Monday 22 February	SDG 5 Gender equality	Naadiya Mossajee , South Africa Director, WomEng <i>GCRF Africa Catalyst awardee</i>	Ian Mutamiri , Zimbabwe, Founder, Purple Future Trust <i>Africa Prize for Engineering Innovation alumnus</i>	raeng.org.uk/SDG5	@NaadiyaMoosajee @ahsaynbeatmaker
Tuesday 23 February	SDG 6 Clean water and sanitation	Dr Askwar Hilonga , Tanzania Director, Gongali Model Co <i>Africa Prize for Engineering Innovation winner</i>	raeng.org.uk/SDG6	@askwarhilonga	
Wednesday 24 February	SDG 7 Affordable and clean energy	Dr Kelleh Mansaray , Sierra Leone Dean of the Faculty of Engineering and Architecture, University of Sierra Leone <i>Higher Education Partnerships in sub-Saharan Africa (HEP SSA) awardee</i>	raeng.org.uk/SDG7		
Thursday 25 February	SDG 8 Decent work and economic growth	Hermina Johnny , USA Founder, Aspire Artemis Foundation	raeng.org.uk/SDG8		
	SDG 9 Industry, innovation and infrastructure	Dr Waessara Weerawat , Thailand Assistant Professor, Department of Industrial Engineering, Mahidol University <i>Engineering X Transforming Systems Through Partnership awardee</i>	raeng.org.uk/SDG9	@mahidolu	
Friday 26 February	SDG 10 Reduced inequalities	Dr Petro Erasmus , South Africa Senior lecturer, Department of Psychology, North West University <i>Leaders in Innovation Fellow</i>	raeng.org.uk/SDG10	@theNWU	
Saturday 27 February	SDG 11 Sustainable cities and communities	Festus Jones , Sierra Leone Vice President, Sierra Leone Institution of Engineers <i>GCRF Africa Catalyst awardee</i>	raeng.org.uk/SDG11		

Sunday 28 February	SDG 12 Responsible consumption and production	Dr Costas Velis , UK Lecturer in Resource Efficiency Systems, University of Leeds <i>Project lead, Engineering X Global Review on Safer End of Engineered Life</i>	raeng.org.uk/SDG12	@costasvelis
Monday 1 March	SDG 13 Climate action	James McKeivitt , Austria Researcher, Institute of Astrophysics, Vienna <i>Engineering Leaders Scholar</i>	raeng.org.uk/SDG13	@jemckevitt
Tuesday 2 March	SDG 14 Life below water	Dr Paula Zapata-Ramirez , Colombia Assistant professor, Universidad Pontificia Bolivariana <i>Engineering X Transforming Systems Through Partnership awardee</i>	raeng.org.uk/SDG14	@upbcolombia
	SDG 15 Life on Land	Diego Almendrades , Peru Director, EcoSwell <i>Frontiers Champion</i>	raeng.org.uk/SDG15	@ecoswell_
Wednesday 3 March	SDG 16 Peace, justice and strong institutions	Wahidullah Azizi , UK Programme Manager, Royal Academy of Engineering <i>Engineering X Engineering Skills Where They Are Most Needed programme manager</i>	raeng.org.uk/SDG16	@raengglobal
Thursday 4 March	SDG 17 Partnerships for the goals	Dr Kate Roll , UK Faculty Lead for Public Policy, UCL Institute for Innovation and Public Purpose	raeng.org.uk/SDG17	@IIPP_UCL

What you can do

- 1. Follow** the Royal Academy of Engineering on Twitter and LinkedIn and watch, like, and share the new videos.

[@RAEngGlobal on Twitter](#)

[Royal Academy of Engineering on LinkedIn](#)

- 2. Post** the videos or links to the website on your own social media channels on, or before, 4 March.

Please remember to **tag us** and use the **#SDGs hashtag** to reach an even wider audience.

Some **suggested posts** are included on the next page.

- 3. Share** the links with your colleagues, friends, and other contacts

Whether you're involved in the projects featured or are helping to address the SDGs in other ways, help us to raise awareness of the Sustainable Development Goals and **engineering's role in meeting them.**

Suggested posts

Please share the videos on social media on or before the 4 March, World Engineering Day, to demonstrate how engineering is vital to meeting the SDGs. You could also include examples of your own work or experience of tackling challenges associated with a goal.

Please remember to **tag us** on social media so that we can see and share your post, and use the **#WorldEngineeringDay** hashtag to reach an even wider audience.

You should also use the **#SDGs** hashtag, or a tag for a specific goal (**#SDG1**, **#SDG2**, etc).

Example Twitter posts

- To mark #WorldEngineeringDay, @RAEngGlobal have launched a series of videos demonstrating how engineering is vital to addressing the #SDGs: raeng.org.uk/SDGs
- I'm committed to addressing the Sustainable Development Goals and working with partners from every profession to meet them. On #WorldEngineeringDay, take a look at what engineers are doing in these new videos from @RAEngGlobal: raeng.org.uk/SDGs #SDGs
- From Colombian oceans to Thai metros, these new videos from @RAEngGlobal showcase the role of engineering in addressing the #SDGs and building a sustainable, inclusive world: raeng.org.uk/SDGs
- We need innovative engineering solutions to meet #SDG3. This new video from @RAEngGlobal shows how one entrepreneur's smart vaccine carrier can help protect remote communities: raeng.org.uk/SDG3
- I'm so proud to see the work of these African innovators celebrated on #WorldEngineeringDay. Engineering can help empower women and girls as we address #SDG5 together: raeng.org.uk/SDG5

Example LinkedIn post

- 4 March is World Engineering Day for Sustainable Development, and what better time to showcase the vital work of engineers in meeting the UN's Sustainable Development Goals?

From smart vaccine carriers to water filters, from ocean monitoring to metro systems, engineering underpins so much amazing work around the world to improve health, sanitation, biodiversity, urban life, and so much more. There's not a single SDG that doesn't rely on the world of engineers.

Take a look at these new videos from the Royal Academy of Engineering sharing examples of the engineers making a difference to each of the 17 Goals.
raeng.org.uk/SDGs #WorldEngineeringDay #SDGs

Links and assets

- [Images and assets for use social media](#)
- [SDG videos on YouTube](#)
- [SDG hub on the Royal Academy of Engineering website](#)

Further information

SDGs

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future.

At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership.

They recognise that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

sdgs.un.org

World Engineering Day for Sustainable Development

The World Engineering Day for Sustainable Development was proclaimed by UNESCO at its 40th General Conference in 2019. It is celebrated worldwide on 4th March of each year since 2020. The day offers an opportunity to highlight engineers and engineering's achievements in our modern world and improve public understanding of how engineering and technology are central to modern life and for sustainable development.

The World Engineering Day 2021 (WED2021), with the theme “Engineering for A Healthy Planet- Celebrating the UNESCO Engineering Report”, will focus on celebrating the launch of the 2nd UNESCO Engineering Report “Engineering for Sustainable Development: Delivering on the Sustainable Development Goals”.

worldengineeringday.net

Royal Academy of Engineering

The Royal Academy of Engineering is harnessing the power of engineering to build a sustainable society and an inclusive economy that works for everyone.

In collaboration with our Fellows and partners, we're growing talent and developing skills for the future, driving innovation and building global partnerships, and influencing policy and engaging the public. Together we're working to tackle the greatest challenges of our age.

raeng.org.uk