

# Voyage to net zero in maritime underway as UK confirms £12 million for zero emission technologies

- multimillion investment announced for innovative projects to help stop vessels polluting our seas
- competition will create cleaner and greener routes on key domestic and international travel, fulfilling the UK's COP26 commitment, as well as domestic green ferry sailings
- UK SHORE, created to decarbonise the maritime sector, is a fundamental element of the UK's voyage to net zero shipping by 2050 and will support thousands of skilled jobs around the country

Zero emission ferries and vessels are one step closer to being a reality, as Maritime Minister Robert Courts today (24 May 2022) confirmed £12 million funding to accelerate the research and development of zero emission maritime technologies.

Now in its second round, the [Clean Maritime Demonstration Competition \(CMDC\)](#) was born out of the Prime Minister's 10-point plan to tackle carbon emissions. The latest funding cements the UK's position as world leaders in clean maritime technologies and supports the creation of thousands of skilled jobs across the UK.

The CMDC is one of the first initiatives from UK SHORE, a new unit launched to make the maritime sector greener. Dedicated to creating a world free from shipping emissions, UK SHORE will work with industry to tackle numerous shipping emission challenges.

Through research and development (R&D) investments, it will include the provision of domestic zero emission ferries, helping to tackle the approximately 1 million tonnes of carbon dioxide emissions that roll-on/roll-off vessels and passenger-only ferries contribute to the UK's domestic shipping emissions.

Robert Courts Minister for Maritime said:

I want to see a new green age for maritime travel that is free from emissions.

Following the success of last year's competition, this second round has been designed to support a shipping future that uses the most creative and innovative ways for people and goods to sail in cleaner and greener ways.

At COP26, we pledged to create a green maritime legacy for generations to come, and UK SHORE puts us at the forefront of the

global green maritime revolution – supporting thousands of green jobs around the country.

The Maritime Minister announced the funding for the competition today in Portsmouth, the heartland of British shipping, as he met with some of the [55 winners from last year's competition](#). At Portsmouth International Port, some of the previous winners showcased their projects.

One of the winners last year, MJR Controls, won funding to create wind turbine charge points for electrical vessels. Eight months on, it has created the charging ports and the installation will take place around late summer in Lynn and Inner Dowsing offshore wind farms.

Fulfilling the Clydebank Declaration agreed at COP26 to create green routes known as 'green shipping corridors' to and from the UK, this next round of the CMDC funding will include feasibility studies to help us work in partnership with industry to ultimately deliver green corridors both within the UK and internationally.

The £206 million research and development funding for UK SHORE, the biggest investment in maritime ever, was announced as part of the [National Shipbuilding Strategy](#) in March 2022. This investment will accelerate the sector's transition to a cleaner future supporting our voyage to net zero by 2050.

Maritime UK Chief Executive, Ben Murray, said:

The establishment of UK SHORE is a very important step on the UK maritime sector's decarbonisation voyage.

Its first intervention – an extension to the Clean Maritime Demonstration Competition – is showing the UK is determined to be a global leader in clean maritime. As before, industry will co-invest to create the solutions needed to decarbonise.

The projects on display today – from remotely operated vessels to green port infrastructure and electric wind turbine charging points – proves Britain remains an island of maritime pioneers.

Continued investment and collaboration with government will drive the momentum we need and create skilled jobs around our coast.

UK Chamber of Shipping Policy Director (Safety and Environment), Anna Ziou, said:

The UK Chamber of Shipping welcomes the announcement of the second round of the Clean Maritime Demonstration Competition.

The journey toward the decarbonisation of shipping has started and

these investments are critical to charter a clear pathway.

We are looking forward to working closely with the government and the UK SHORE to secure further funding opportunities for the industry and explore the necessary transformative actions to help shipping deliver the commitment to net zero.

The first Clean Maritime Demonstration Competition was launched last year by DfT to kickstart innovation in decarbonisation in the maritime sector.

Future elements of UK SHORE's 3-year programme will include several more rounds of the Clean Maritime Demonstration Competition alongside other interventions to accelerate the development and use of key technologies.

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## **Conclusion of Somali electoral process provides opportunity to re-focus on issues of urgent national importance**

Thank you, Madam President. Let me thank SRSW Swan for his briefing, and we look forward to hearing from Special Representative Madeira.

I will focus my remarks today on three topics: the Presidential elections in Somalia, security and the humanitarian situation.

The UK welcomes the completion of the Presidential election on 15 May and warmly congratulates Hassan Sheikh Mohamud on his election. Although the representation of women in parliament was once again below the 30% target, we welcome the historic election of Sadia Yasin Haji as Somalia's first female Deputy Speaker.

The conclusion of the electoral process provides an opportunity to end political uncertainty and re-focus on issues of urgent national importance: addressing the threat posed by Al-Shabaab, maintaining fiscal stability, delivering constitutional reform, and responding to the devastating drought. The United Kingdom stands ready to support President Hassan Sheikh's government in its efforts, and encourages all Somalia's leaders to work together in the spirit of reconciliation and collaboration.

Turning to security, we thank ATMIS for providing security support throughout the elections, and condemn Al-Shabaab's persistent attempts to disrupt the process. We send our condolences to those affected by the Al-Shabaab terrorist attack on the Burundi ATMIS contingent on 3 May.

The ongoing threat posed by Al-Shabaab highlights the need for the new

government to secure broad-based political agreement on a national security architecture that is effective, affordable, and which facilitates sustainable transition to Somali-led security, while maintaining pressure on Al-Shabaab. The United Kingdom will continue to work with Somalia's Federal Government and Federal Member States, and alongside other international partners, to achieve this.

Madam President, as we've heard, the impact of the drought is alarming. It's increasingly likely that Somalia will face famine, despite our collective commitment that this would never happen again. More funds and collective action are needed if we are to prevent famine in Somalia. The UK Minister for Africa announced an additional \$31 million in response to the humanitarian crisis in Somalia, on top of the \$25 million already committed this year.

While we celebrate recent achievements in Somalia, we must not lose sight of the work still needed to ensure that the situation continues to move forward in a peaceful and stable manner. We look forward to working with President Hassan Sheikh and his government to advance peace, stability and prosperity in Somalia for the benefit of all Somalis.

Thank you.

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## **Technology is changing how we monitor, understand and respond to conflict and to humanitarian crises**

Thank you very much, Madam President, and thank you for this discussion today. We're also very grateful to the briefers for their contributions. As they illustrated, technology is changing how we monitor, how we understand and how we respond to conflict and to humanitarian crises around the world.

And, it's clear that, first, it can play a role in actually preventing the outbreak of conflict. If we can see risks in advance, then we can, and we should, act before the crisis hits. And, more timely decision-making enables early and preventative action – and that's an area I think this Council should explore more, in conjunction with the Secretariat. It's also why we are working with others, and with industry, to develop AI-driven conflict prevention models.

Secondly, during conflict itself, accurate situational awareness for UN peacekeepers on missions is essential. And, combining digital technologies, such as remote monitoring with improved intelligence, surveillance and reconnaissance processes, can enable peacekeeping and monitoring missions to improve their understanding of threats and vulnerabilities on the ground. If we can get those drones, described by our colleague from the UAE, to help

peacekeepers, instead of attack people, we can make progress.

Thirdly, technology also enables greater accountability. Social media, as we've heard today – including from our brilliant briefers, enables greater accountability. It empowers people to tell the world about the conflicts, as they are experiencing them, and make sure the world knows what is happening on their terms

This means that the truth – including evidence of mass atrocities or violations of international humanitarian law – cannot be hidden by those who wish to hide it.

But, as we have also heard today, technology is being used by States, and by other actors, to suppress human rights, to spread disinformation, and as a tool in conflict. We see some States attempt to hide the truth by blocking access to social media or independent media sites. We saw this, as others have noted, last year when the military junta shut down the internet in Myanmar. We also see authoritarian regimes use surveillance technology to monitor and persecute their own citizens – denying them their human rights.

Technology can also be used by those seeking to destabilise – and this is particularly true in the context of Russia's invasion of Ukraine, where Russia has conducted cyber-attacks and, as we have reported, used an online troll factory to spread disinformation and manipulate public opinion about their illegal war.

Fortunately, technology can also help us to combat disinformation. Russia tried to claim, and tried to claim again today, that bodies of victims lying in the streets of Bucha were a "staged provocation" by Ukraine. They suggested the Ukrainian forces had undertaken this staged provocation after they retook the town. But, satellite imagery proved that the bodies in the streets of Bucha had been there for several weeks, making it clear that they were killed during the period when Russian forces occupied the town.

Today, Madam President, rather than talk of a staged provocation, we were spun some new nonsense about obsolete artillery. This is another Russian tactic to attempt to distract us, and confuse us, and obfuscate. Layers of contradictory and competing lies are pushed out, so that people are confused and don't know what to believe.

But, one should not be fooled by this. And, we look forward to the ICC undertaking a full investigation so that we can know the truth about what happened in Bucha, based on real evidence – and hopefully, indictments will flow from that – because combating misinformation and defending media who are committed to reporting the truth online, is critical to the proper functioning of the international system.

So, when the Russian delegation bemoan the fact that they are sanctioned on social media, or that their state propaganda outlets are blocked, they should not be. In the digital space, as in all spaces, we must strive to protect the truth from this new double-speak.

Madam President, in conclusion, we need to work together, including with civil society organisations, the private sector and other communities, to realise the benefits of, but also to counter the risks associated with, digital technologies. This will involve adapting institutions and upholding norms that are rooted in high standards, human rights, and democratic values.

This Council must ensure that existing frameworks and international law remain our guiding principles, as we do this.

And, if we do, we can ensure that digital technologies are a force for good and a transformative opportunity for sustaining peace and development.

Thank you, Madam President.

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## [PM meeting with President Pou of Uruguay: 23 May 2022](#)

Press release

Prime Minister Boris Johnson welcomed the President of Uruguay, Luis Lacalle Pou, to Downing Street.



The Prime Minister welcomed the President of Uruguay, Luis Lacalle Pou, to Downing Street today.

The leaders welcomed the deep alignment between the United Kingdom and Uruguay across a range of issues, from free trade to belief in democratic values and civil liberty. At a time of rising global food prices and energy insecurity, the Prime Minister highlighted the huge opportunities offered by Uruguay's leading agricultural production and renewable energy use.

The Prime Minister and President Lacalle Pou committed to take immediate steps to reduce trade barriers between our two countries, intensifying trade and investment in industries including pharmaceuticals and IT software. They

also pledged to foster increased private sector investment in green finance and green energy.

On security, the leaders agreed to boost defence cooperation, including defence procurement, in support of regional and international security. The Prime Minister welcomed Uruguay's strong stance on Russia's invasion of Ukraine, and they expressed their admiration for the bravery of Ukraine's armed forces.

The Prime Minister thanked the President for visiting London and looked forward to driving forward the UK-Uruguay partnership, as we recover from the pandemic and work together to address global challenges.

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## [Ditching costly gas and oil is cheaper thanks to heat pump scheme](#)

- Government grants of £5,000 are now available for homeowners choosing to replace fossil fuel boilers with efficient low-carbon heat pumps
- £450 million 3-year Boiler Upgrade Scheme helps make electric heat pumps much cheaper and a viable alternative when families come to replace gas and oil heating
- government's commitment to low-carbon heating technology to help protect households from record high oil and gas prices

Costs to install cleaner, more efficient heating solutions have been slashed by thousands of pounds as consumers can now receive grants through the government's new £450 million [Boiler Upgrade Scheme](#).

Homeowners across England and Wales can now benefit from £5,000 grants to fit clean heating systems when they come to replace their oil and gas boilers. This includes clean heating systems installed from 1 April this year.

Heat pumps are now much cheaper and more competitively priced against gas and oil boilers than ever before and thanks to these grants, it will be significantly cheaper for consumers to install a heat pump and closer to the cost of installing a traditional gas boiler, whilst improving the energy efficiency of their homes, reducing their energy bills and cutting emissions in the long-term.

The scheme will also help kick-start the British heat pump manufacturing industry, helping government and industry to achieve the aim of bringing down the cost of the technology to ensure they are no more expensive to buy and run for consumers than fossil fuel boilers by 2030 when more households will

be looking to make the switch.

With the market for electric heat pumps set to rapidly expand in Europe over the coming years, there is also a huge export opportunity for British firms in research and development, production, supply chain and installation over the next decade, creating well-paid jobs across the country.

It will contribute to the 175,000 green skilled jobs we expect to be delivered by 2030 through the BUS and other government commitments made in the Heat and Buildings Strategy.

Energy Minister Greg Hands said:

The Energy Security Strategy showed our strong commitment to powering Britain with homegrown renewable and nuclear energy.

Thanks to the government's Boiler Upgrade Scheme, heat pumps using this clean, cheaper electricity will be the cheaper, obvious choice for households choosing to replace their fossil fuel boiler.

It will also kick-start a British manufacturing industry that will help bring down prices even further whilst creating huge investment and job opportunities.

Scheme funding will be available through a simple application procedure that installers carry out on behalf of property owners, with the up-front funding taken off their quote.

The grants are in addition to the 5-year long 0% rate of VAT on the installation of heat pumps and biomass boilers, announced as part of a package of measures to help ease the cost of living.

With a global spike in oil and gas after unprecedented pressures on global markets, the government is committed to ensuring households are better protected from unforeseen rises in fossil fuel prices by encouraging them to gradually move away from using gas and oil to heat their homes.

The scheme has a committed budget of £450 million over 3 years from 2022-2025, with an annual budget allocation of £150 million and property owners will be able to get:

- £5,000 off the cost and installation of an air source heat pump
- £5,000 off the cost and installation of a biomass boiler
- £6,000 off the cost and installation of a ground source heat pump

In its landmark [Heat and Buildings Strategy](#), the government committed to working with industry to help meet the aim of heat pumps costing the same to buy and run as fossil fuel boilers by 2030, with big cost reductions of between a quarter and a half by 2025 expected as the market expands and technology develops.



The Boiler Upgrade Scheme is designed to kickstart the mass rollout of heat pumps across the country in a similar way that government grants have accelerated the uptake of electric vehicles.

Business and Energy Minister Lord Callanan said:

We want to make it easier and more cost-effective for homeowners to move away from using expensive fossil fuels for heating. The Boiler Upgrade Scheme means they can make the switch to more efficient, greener alternatives today in an affordable and practical way.

This scheme makes it a straightforward process for consumers and installers to access significant funding so that, added to the zero rate of VAT on installations, heat pumps are an attractive proposition when looking to replace a gas or oil boiler.

In the Heat and Buildings Strategy, the government also confirmed its intention that by 2035, all new heating systems installed in UK homes will either be low-carbon technologies, such as electric heat pumps, or will support new technologies like hydrogen-ready boilers, where we are confident we can supply clean, green fuel.

No-one will be forced to remove their existing boiler, with this transition of the next 13 years seeing the UK's households gradually move away from fossil fuel boilers in an affordable, practical and fair way. The new Boiler Upgrade Scheme grants are helping to make heat pumps an affordable option for homes and small businesses across England and Wales. Government-funded studies by the [Energy Systems Catapult](#) have recently shown that there is no property type or age that is unsuitable for a heat pump.

As well as not having to use expensive fossil fuels, heat pumps are also more efficient to run, able to deliver more than 3 units of heat for every unit of energy input, while traditional gas and oil boilers deliver less than one unit of heat per unit of energy.

CEO and founder of Octopus Energy Group Greg Jackson said:

Heat pumps are up to four-times more energy efficient than gas boilers but they need to come down in price. The government's new scheme will not only reduce the cost – often to the same price as a boiler – but it'll kickstart an industry so that sooner or later we won't need subsidies. The scheme is super simple and we are already seeing it help families move to cheaper green heating.

The Boiler Upgrade Scheme is being administered by [Ofgem](#).

Ofgem Director of Delivery and Schemes Philippa Pickford said:

Ofgem is helping to create the infrastructure for net zero to thrive so we have clean, affordable and secure home grown energy. Heat pumps are a proven scalable option to heat homes and businesses without reliance on fossil fuels.

Ofgem is delighted to be administering the Boiler Upgrade Scheme on behalf of government, which will play an important role in supporting energy customers to switch to greener technologies in an affordable way. Today is an important milestone for the Boiler Upgrade Scheme as installers will be able to submit applications for grant funding.

Chair of the Heat Pump Association Phil Hurley said:

The Heat Pump Association welcomes the launch of the Boiler Upgrade Scheme and the financial support it will provide to those who opt for a heat pump. An upfront financial incentive like this will not just help to kickstart the industry by making the technology more accessible but will also provide heating installers with the confidence boost they need to upskill.

With the capacity to train 40,000 installers each year, we have made huge strides as an industry to improve the heat pump training pathway, and we are hopeful that this scheme will inspire the workforce to take up the opportunities available.

Heat pumps represent a readily available and long-term solution to fossil fuel heating and the scheme is a big step towards kickstarting the mass rollout needed to grow the sector and put the UK economy on track to meet Net Zero.

Energy UK Deputy Director of Policy (New Energy Services and Heat) Charles Wood said:

Energy UK welcomes the Boiler Upgrade Scheme as a mechanism to deliver clean heat to households across the country.

Aligning this scheme with the government's objectives for improving the energy efficiency of homes, and delivering the smart meter roll out, will enable energy suppliers to decarbonize their customers' homes faster and more affordably.

MCS CEO Ian Rippin said:

The Boiler Upgrade Scheme is a huge opportunity to increase momentum of the home heating revolution and an integral part of the shift towards net zero. We welcome the BUS as part of the drive

to make home-grown energy more accessible and affordable. With heat pump installations and contractor certifications at an all-time high, this is the perfect time for a strong financial incentive for people to decarbonise their home heating.

Managing Director of Customers at EDF Philippe Commaret said:

Heat pumps are a proven, low carbon technology which will help customers significantly reduce their carbon emissions at home.

The grants available through the Boiler Upgrade Scheme will help even more households switch to clean, electric heating now, reducing the UK's dependence on gas and protecting customers from increasingly volatile global fossil fuel prices.

Smart Solutions Director at ScottishPower Chris Carberry said:

Now is the time to really accelerate the delivery of both energy efficiency improvements and clean home heating solutions, such as electric heat pumps. This will help to reduce our dependence on gas and ease the upward pressure on energy bills for households.

We strongly welcome the government's new Boiler Upgrade Scheme with upfront grants for households to install a heat pump, and look forward to further progress on the Heat & Buildings Strategy. Our Smart Solutions business is committed to playing its part in helping consumers across the UK to realise the benefits of a low carbon transition in their homes and progress towards meeting the Net Zero challenge.

Home Insulation & Energy Systems Quality Assured Contractors Scheme Chief Executive Faisal Hussain said:

The Boiler Upgrade Scheme should help consumers transition from fossil fuel to low-carbon technologies such as heat pumps. This in turn will help the climate and should give us the platform to achieve net zero-carbon by 2050.

Director of Consumer Codes at Renewable Energy Assurance Ltd (which administers the Renewable Energy Consumer Code (RECC)) said:

RECC welcomes the Boiler Upgrade Scheme going live today. We will continue to assist with the scheme by providing information and assistance to both our member installers and consumers. Our aim is to ensure that the grant-issuing process is well-understood and straightforward for all concerned so that take-up will be high.

To meet its net zero targets government needs to scale up installations of low carbon heating systems including heat pumps and biomass boilers. But, if the Boiler Upgrade Scheme is to deliver cost efficiency and greenhouse gas emissions reductions, we must ensure that heating systems are well-designed and correctly installed in homes that are well insulated.

The BUS is an installer-led scheme which provides up-front capital grants to support the installation of heat pumps and, in limited circumstances, biomass boilers in domestic and small non-domestic buildings in England and Wales. Grants of £5000 will be available for air source heat pumps (ASHPs) and biomass boilers, and grants of £6000 will be available for ground source heat pumps (GSHPs). The grant value is deducted from a consumer's quote upfront.

[Consumers can find out whether they are eligible for the scheme](#) and installers can find full guidance on the website of the [Boiler Upgrade Scheme administrator, Ofgem](#).

Consumers can be eligible for a BUS grant for clean heating systems installed from 1 April. We have been gradually opening up the scheme working closely with installers. Installers have been able to open their accounts since 11 April. From 23 May, the scheme will be opens for grant applications and payments.

Installers fitting heat pumps under the Boiler Upgrade Scheme will need to be certified by the [Microgeneration Certification Scheme](#). This demonstrates that installers are technically competent, that the installation will be compliant with scheme requirements and that homeowners are covered by consumer protection schemes.

To help grow the electric heat pump market and expand British manufacturing, a £60 million [Heat Pump Ready innovation programme](#) is being run by the government, part of the £1 billion Net Zero Innovation Portfolio.

In the [British Energy Security Strategy](#), the government has also committed to expanding heat pump manufacturing in this country through the £30 million Heat Pump Investment Accelerator Competition.