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Galloper Offshore Wind Farm officially inaugurated

- ***£1.5 billion investment with almost 60 percent going to UK companies over the lifetime of the project***
- ***Expected to generate on average each year enough green power to meet the annual electricity needs of more than 380,000 UK households***
- ***New Galloper Operations & Maintenance Base in Harwich is set to deliver £10 million boost to the local economy and create around 120 construction jobs***

Galloper Offshore Wind Farm, sited 27 kilometres off the Suffolk coast, was officially inaugurated today in London by Hans Bunting, Chief Operating Officer Renewables of innogy SE.

Galloper is owned by innogy SE (25%), Siemens Financial Services (25%), Sumitomo Corporation (12.5%), ESB (12.5%) and a consortium managed by Green Investment Group and Macquarie Infrastructure and Real Assets (25%). innogy SE has led the development and construction of Galloper Offshore Wind Farm and will operate the wind farm on behalf of the project partners.

Construction of the 353 megawatt (MW) wind farm created 700 jobs, with the foundations installed at a rate of four per week and all 56 turbines constructed in just one season – both firsts for innogy on a project of this scale. Galloper will run for over 20 years, making a significant contribution towards the decarbonisation of the UK's energy supply. The amount of green power the wind farm is expected to generate on average each year is approximately equal to the annual electricity needs of more than 380,000 UK households ¹.

The Rt Hon Claire Perry MP, Minister of State for Energy and Clean Growth, congratulated innogy and everyone involved in Galloper for delivering this “fantastic project”. The Minister said: “The offshore wind sector as a whole has been a great success story as the UK is now a world leader in

terms of installed capacity, and that continues to grow every year. It is a testament to the work Government and industry have done together, that we have brought forward so much of this fantastic energy source at such competitive prices”.

Hans Bunting, COO Renewables of innogy SE said: “I am extremely proud to inaugurate Galloper Offshore Wind Farm, the fifth offshore wind farm that innogy has constructed in the UK. Offshore wind is now a key industrial sector for the UK and offers particular opportunities to key regional hubs, such as East Anglia – the home of both Galloper’s construction base and its operation and maintenance facility.

“With all our projects, we always strive to invest in local businesses and during its operating lifetime, almost 60 percent of the investment in Galloper is expected to go to UK companies. At innogy, we look forward to continuing to play an active role in the impressive UK offshore wind story. We have recently begun construction, together with our partners, on our sixth and largest offshore wind project to date, the 860MW Triton Knoll.”

Galloper Project Director Toby Edmonds added: “Galloper Offshore Wind Farm represents a total investment of around £1.5 billion so it is with thanks to our investment partners that the construction of the wind farm was made possible. Seven hundred jobs were created during construction, a team of 60 will operate the wind farm and it is also supporting many long-term jobs through our local suppliers.

“Galloper was a great team effort with main contractors: Siemens Gamesa , GE and Petrofac, VBMS, NKT, GeoSea and National Grid; plus the myriad of national and local suppliers all contributing to ensuring the wind farm was built with such awe-inspiring speed and efficiency and importantly, with an exemplary safety record of no significant injuries.”

Earlier this month (14 September) it was [announced](#) that the authorities had given the go ahead for the construction of the Galloper Operations & Maintenance base in Harwich International Port, Essex, enabling local contractors to get underway and with the potential to create 120 local jobs during construction.

ENDS

Photo: *Galloper Offshore Wind Farm officially inaugurated today (Friday 28 September)*

For more information about the Galloper visit: www.galloperwindfarm.com

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Notes to editors

Galopper Offshore Wind Farm is a 353MW project located 27km off the coast of Suffolk. The wind farm represents an investment of around £1.5 billion. It is estimated that the average annual generation expected at the site will be equivalent to the approximate domestic needs of more than 380,000 average UK households.¹

1 - Energy predicted to be generated is derived using wind speeds monitored in the local area and correlating to historical weather data providing longer term data. The calculations are based on an installed capacity of 353 MW. The energy capture predicted and hence derived homes equivalent or emissions savings figures may change as operational data are gathered. Equivalent homes supplied is based on an annual electricity consumption per home of 4100 kWh. This figure is supported by recent domestic electricity consumption data available from The Digest of UK Energy Statistics and household figures from the UK National Statistics Authority.

Quotes from the Galopper partners and turbine supplier

Siemens Financial Services

“As an investor in the Galopper Offshore Wind Farm, Siemens Financial Services is excited to see the successful inauguration of this project,” commented Kirk Edelman, CEO of Energy Finance, Siemens Financial Services. “Having been involved with the project since its development phase, this is a significant milestone that we are proud to be part of.”

Macquarie Infrastructure and Real Assets

David Tilstone, Managing Director at Macquarie Infrastructure and Real Assets, said: “The successful delivery of Galopper Wind Farm, on schedule and within budget, marks another significant development in the UK’s journey towards a future powered by clean energy. We are proud of the contribution this innovative project has already made to the local community, and we will work closely with our investment partners to provide a source of green electricity for the UK grid for decades to come”.

Sumitomo Corporation

“It is our utmost pleasure to celebrate the inauguration of Galopper offshore wind farm. We highly appreciate the effort and achievement of Galopper management team led by innogy as well as the contributions that have been made by all the other shareholders, namely GIG/Macquarie, Siemens, ESB and ourselves. It is remarkable that all the construction work has been completed successfully without any severe safety incident. We are confident that Galopper will contribute to the local society as well as to the greener world.” - Tsutomu Akimoto, Managing Executive Officer, General Manager Infrastructure Business Unit, Sumitomo Corporation.

ESB

Commenting on the project, Jim Dollard, Executive Director, Generation and Trading, says: “ESB’s investment in the Galopper Wind Farm demonstrates our commitment to the transition to a low-carbon economy. Renewable energy is key to this transition with offshore wind playing a fundamental role in this transition, and creating a brighter future for all. This also cements ESB’s long-serving commitment to the UK market where we continue to invest in the energy market both in retail through ESB Energy and in its generation business through such assets as Carrington Power and a range of other renewable investments.”

Siemens Gamesa Renewable Energy (turbine supplier)

“We fully supported Galopper’s clear vision and values, which enabled us to create a powerful relationship to jointly deliver the project. We enjoyed a shared understanding of the project’s strong culture and spirit of cooperation, allowing all parties to openly and swiftly solve joint tasks. Congratulations to everyone involved as we mark this milestone today,” says Andreas Nauen, CEO of the Offshore Business Unit at Siemens Gamesa Renewable Energy.

About the Galopper partners

About innogy SE

innogy SE is a leading German energy company, with revenue of around €43 billion (2017), more than 42,000 employees and activities in 15 countries across Europe. With its three business segments Renewables, Grid & Infrastructure and Retail, innogy addresses the requirements of a modern, decarbonised, decentralised and digital energy world. Its activities focus on its about 22 million customers, and on offering them innovative and sustainable products and services which enable them to use energy more efficiently and improve their quality of life. The key markets are Germany, the United Kingdom, the Netherlands and Belgium, as well as several countries in Central Eastern and South Eastern Europe, especially the Czech Republic, Hungary and Poland. In renewable power generation, the company is also active in other regions, e.g. Spain, Italy and the USA, with a total capacity of 3.9 gigawatts. As a leader of innovation in future-oriented fields like eMobility, we are represented in the international hot-spots of the technology industry such as Silicon Valley, Tel Aviv and Berlin. We combine the extensive expertise of our energy technicians and engineers with digital technology partners, from start-ups to major corporates.

About Siemens Financial Services

Siemens Financial Services is the financing arm of Siemens. For further information on Siemens Financial Services, please visit www.siemens.com/finance. Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of

electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

About Macquarie Infrastructure and Real Assets

More than 20 years ago Macquarie Infrastructure and Real Assets (MIRA) pioneered investment in a new asset class for institutional investors – infrastructure. Today we combine two decades of experience and expertise to identify and unlock investment opportunities in the assets that people use every day – extending beyond infrastructure to real estate, agriculture and energy. Managing investments that underpin economies and communities requires a careful balance of local knowledge, experience and foresight to create enduring value. Our dedicated operational and financial experts in each region work closely with our global network to help our clients to see across the regions and deep into local markets, working where our funds invest and portfolio companies operate.

As at 31 March 2018, MIRA has assets under management of more than €96.9 billion invested in 148 portfolio businesses, ~330 properties and 4.5m hectares of farmland. MIRA is a division of Macquarie Asset Management, the asset management arm of Macquarie Group, a diversified financial group providing clients with asset management, banking, advisory and risk and capital solutions across debt, equity and commodities. For more information, visit www.macquarie.com

About Green Investment Group

Green Investment Group Limited (GIG) is a specialist in green infrastructure principal investment, project delivery and the management of portfolio assets, and related services. Its track record, expertise and capability make it a global leader in green investment, dedicated to supporting the growth of the global green economy. The business was launched initially by the UK Government in 2012 as the first institution of its type in the world. The organization was acquired by Macquarie Group in 2017, creating one of Europe's largest teams of dedicated green infrastructure investors, and now operates under the name Green Investment Group. For more information, visit www.greeninvestmentgroup.com

About Sumitomo Corporation

Sumitomo Corporation ("SC") is a leading Fortune 500 global trading and business investment company with 108 locations in 65 countries and 22 locations in Japan. The entire SC Group consists of more than 900 companies. SC conducts commodity transactions in all industries utilizing worldwide networks, provides related customers with various financing, serves as an organizer and a coordinator for various projects, and invests in companies to promote greater growth potential. SC's core business areas include Metal Products, Transportation and Construction Systems, Infrastructure, Media and ICT, Living Related and Real Estate, Mineral Resources, Energy, and Chemical and Electronics.

About ESB

ESB operates across the electricity market: from generation, through transmission and distribution to the supply of customers with an expanding presence in the Great Britain generation market. In addition we extract further value through supplying gas, energy services and using our networks to carry fibre for telecommunications. ESB is the owner of the distribution and transmission networks in the Republic of Ireland (via ESB Networks) and Northern Ireland (via Northern Ireland Electricity Networks Ltd). In 2017 it had a 42% share of generation in the all-island market (via Generation and Wholesale Markets) and a 34% share of electricity supply in the all-island market (via Electric Ireland) with 1.4 million customer accounts.

ESB has been a leading independent energy company in the UK for over 23 years where the company has invested almost £2bn in generation and power network assets. This year, ESB Energy was launched in Britain, offering very competitive electricity and gas offerings to residential customers. ESB contributes almost €2 billion annually to the Irish economy through dividends, investments, taxes and jobs. ESB provides significant employment both directly, with over 7,790 employees, and indirectly through contractors and service providers. For more information: www.esb.ie.

Turbines supplied by Siemens Gamesa Renewable Energy

Siemens Gamesa is a global leader in the wind power industry, with a strong presence in all facets of the wind business: offshore (#1), onshore (#2) and services (#2). In 2017 Siemens Gamesa was the number-one company in the sector, with a 17% share of new capacity installed, according to MAKE Consulting. Through its advanced digital capabilities, the company offers one of the broadest product portfolios in the industry as well as industry-leading service solutions, helping to make clean energy more affordable and reliable. With 85 GW installed worldwide, Siemens Gamesa manufactures, installs and maintains wind turbines in the onshore and offshore segments. Its order backlog stands at €22 billion. The company is headquartered in Spain and listed on the Spanish stock exchange (traded in the Ibex-35 index).

