Offshore Wind Delegation

to Japan 27 February - 3 March 2017

in honour of
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STRENGTHENING BUSINESS RELATIONS WITH SUSTAINABLE WIND ENERGY

In 2017, Denmark and Japan celebrate 150 years anniversary of diplomatic relations since the conclusion of the “Treaty of Friendship, Commerce and Navigation” in 1867. The treaty was the first free trade agreement between Japan and Denmark. This delegation is a proof that the relations between Japan and Denmark continue to develop new business partnerships – in this case within the wind energy sector.

The energy sector in Japan is undertaking a rapid development towards more sustainability. New projects with offshore wind farms are in progress at various sites of the country. Denmark offers a unique experience from our energy mix and has great knowledge within the wind energy sector from our own history.

Denmark is an open and globalized economy with a strong private sector. This delegation represents nine Danish companies all with unique knowledge, technique and holistic solutions in their line of business within the wind sector. I will encourage you to learn about these companies in this folder.

Thank you to both the Japanese stakeholders and Danish companies for participating in making this delegation successful. I wish you the best of luck.

H.E. Freddy Svane
Danish Ambassador to Japan
ALL NRG provide solutions in all phases of the wind turbine life cycle!

ALL NRG hold a globally leading position as a full-scope provider delivering highly qualified solutions to the onshore and off-shore energy sector. With an exceptional track record of successful international projects, customers benefit from hands-on experience, specialist know-how and extensive service.

ALL NRG holds the world record for offshore grid connection. Our involvement in more than 90% of the world’s installed offshore wind turbines proves that.

Providing solutions from design and development over installation and service to final decommissioning, ALL NRG is a result-oriented business partner combining great responsiveness with the will to take full responsibility. We have a clear focus on the needs of our customers, and our extensive experience makes ALL NRG the preferred partner in all project stages.

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Copenhagen Infrastructure Partners is an infrastructure fund management company. The company is managed by five partners. Each of them has extensive experience of investing in energy, infrastructure and general mergers & acquisitions. Throughout the last 13 years they have worked closely together and have been responsible for the construction and operation of some of Europe’s largest offshore wind projects.

In total, the partners have more than 50 years of experience in infrastructure investments and have carried out numerous transactions with a combined value of more than EUR 30bn. Copenhagen Infrastructure Partners K/S manages, as of today, three funds, Copenhagen Infrastructure I K/S, Copenhagen Infrastructure II K/S and CI Artemis K/S. The total commitment for these funds is EUR 3bn.

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Leading fund with extensive offshore wind experience

Copenhagen Infrastructure Partners (CIP)は、エネルギー／インフラへの投資やM&A全般に豊富な経験をもつ5人のパートナーが運営するインフラファンド運用会社です。過去13年間にわたって緊密に協力し、欧州最大級の洋上風力プロジェクトの建設と運営を手がけてきました。

インフラ投資におけるパートナー5名の実績は合計で50年以上にのぼり、手がけた案件は300億ユーロを超える規模となっています。

現在はCopenhagen Infrastructure I K/S、Copenhagen Infrastructure II K/S、CI Artemis K/Sという3つのファンド、総額は30億ユーロを管理しています。
COWI is an independent international consulting company owned by the COWI foundation.

Within Offshore Wind, COWI offers the full range of engineering and design services related to offshore wind energy.

COWI’s extensive experience from offshore engineering design projects has been applied in the detailed foundation design of numerous windfarms worldwide.

The projects include monopile-, gravity-, jacket- and floating foundation design along with related design services from fabrication through transport and installation phases.

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DAFA A/S is a family-owned Danish company established in 1939. We have developed, produced and sold special foam, rubber and plastic products for the wind industry for more than 20 years.

Nacelles
We offer a large variety of nacelle solutions. These solutions help structures and electronic components in the nacelle to withstand significant stress, perform better and last longer.

Blades
Safety is of vital importance when transporting blades, and high quality is crucial in blade production. In both cases, our foam and rubber solutions offer significant benefits for the design and strength of the blades, making them last longer.

Towers
Our tower structure solutions improve safety to avoid accidents and make maintenance easier. This benefits operating costs and increases the durability and service life of the tower. Our tower solutions help make transport safer, thereby reducing the number of expensive repairs.

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Your partner for foam, rubber and plastic

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DONG Energy (NASDAQ OMX: DENERG) is one of Northern Europe’s leading energy groups and is headquartered in Denmark.

Approximately 6,500 ambitious employees are involved in developing, constructing and operating offshore wind farms, producing electricity and heating from our power stations, supplying energy to residential and business customers and producing oil and gas.

Group revenue was DKK 71 billion (EUR 9.5 billion) in 2015. For further information, visit www.dongenergy.com.

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DONG Energy はデンマークに本社を構える北欧屈指のエネルギーグループです。

約6,500人の意欲ある従業員が洋上ウィンドファームを開発、建設、運転に関わり、住宅やオフィスに電気や熱を供給しているほか、石油やガスの生産も行っています。

2015年のグループ収益は710億デンマーククローネ（95億ユーロ）。詳細はホームページをご覧ください: www.dongenergy.com
EKF is Denmark’s Export Credit Agency. We help Danish companies make it possible and attractive for customers abroad to purchase Danish products. We do so by helping raise financing and by insuring companies and banks against the potential financial and political risks related to international trade.

EKF is one of the leading financial institutions within the global wind industry. Within the last decade, we have participated in the financing of wind projects all over the world totaling more than USD 10 billions. In the North Sea, specifically, we have played a key role in the financing of many of the world’s largest offshore wind parks.

EKF is owned and guaranteed by the Danish state but operates as a modern financial enterprise.

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Our Knowledge is Your Strength

HjulmandKaptain is among Denmark’s largest full service law firms with more than 150 employees, including approx. 60 lawyers.

Our business clients range from international industrial groups and publicly quoted companies to medium-sized companies and public institutions.

HjulmandKaptain has prioritized the establishment of a dedicated Energy and Infrastructure team and has acquired extensive national and international experience within major construction projects – especially related to the offshore industry with a special focus on wind and renewables.

Our client portfolio within this specialized field consists of both major Danish and foreign energy operators, including clean-tech companies, suppliers, operators, public authorities and utility companies.

HjulmandKaptain has a unique international network, and we are members of the international network of independent law firms “International Jurists” which consists of 35 firms with more than 1,250 lawyers and support staff in 32 countries.

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Ramboll is an engineering, design and consultancy company founded in Denmark in 1945. Ramboll has 13,000 employees in 35 countries in Europe, North America, and the Middle East and with significant presence in Asia, Australia and Africa.

Ramboll has been involved in the offshore wind industry since the beginning in the late 1980’ies, and is known today as a leading designer of turbine foundations and substations, having designed foundations for more than 65% of the offshore wind turbines under construction or in operation today.

In addition to this, Ramboll provides a range of services within project development, planning, wind resource, site investigations, environmental assessments, financial studies, electrical concepts, O&M, taking projects from inception over implementation to operation.

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Windpal Proven Solutions for complex wind industry

20 years experience. Consortium members: World Marine Offshore, Blue Water Shipping, Vento and Comtec Int.

Windpal is able to provide Turn Key solutions for complicated projects in wind power energy. Windpal offers technical expertise, flexibility, international recognition, reliability and a diversity of services and expertise.

- Engineering, Preliminary surveys
- Logistics; Warehousing & supply chain management
- Offshore vessel & crew support
- Cable, diving & ROV operations
- Installation support on- and off-shore
- Wind blade inspections & services
- Spare part support

20年の実績。コンソーシアム参加企業：World Marine Offshore、Blue Water Shipping、Vento、Comtec Int.

Windpalは複雑な風力エネルギープロジェクトに適用できるターンキーソリューションを提供しています。技術的な専門知識、柔軟性、国際的な評価、信頼性、サービスと知識の多様性が特徴です。

- エンジニアリング、事前調査
- ロジスティクス、倉庫・サプライチェーン管理
- 洋上の船舶、作業員サポート
- ケーブル、ダイバー、ROV操作
- 陸上、洋上の設置サポート
- ブレード検査とサービス
- スペアパーツのサポート

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The Trade Council is the governmental export and investment promotion organization under the Ministry of Foreign Affairs of Denmark. The organization comprises all governmental activities designed to promote Danish export and foreign investment under one roof.

Denmark is one of the world’s leading export nations. Today, approximately one in four workplaces are linked to export industries. Extensive foreign trade is a path to higher productivity and greater prosperity for Denmark.

The Confederation of Danish Industry (DI) is a private organization owned and managed entirely by 10,000 companies within manufacturing, trade and service industry.

DI’s aim is to ensure the best possible conditions for its members to conduct business, inside Denmark as well as globally. DI’s main tasks include policy advocacy at national and international level, membership services including collective bargaining and a strong set of international services.

To Japan, DI has organized several visits the past years to create and develop business partnerships between our two nations.

Confederation of Danish Industry（DI）は製造、貿易、サービス分野の10,000社が所有・運営する民間組織です。

DIの目的は加盟企業が国内外で事業を行うための環境整備です。主な任務は国内／国際レベルの政策提言、集団交渉を初めとする加盟企業へのサービス、強力な国際サービスなどです。

DIは過去数年間、数回にわたって来日し、日本とデンマークのビジネスパートナーシップの構築・推進に努めています。

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The Trade Councilは輸出と投資の促進を目的としたデンマーク外務省の下部組織です。

デンマーク企業による輸出や外国からの投資を促進するための政府の活動を、一元的にとりまとめています。

デンマークは世界有数の輸出国です。現在、企業の4社に1社が輸出産業に関わっています。デンマークにとって、国際貿易の拡大は、生産性の向上と国の発展のための方策です。
Danish Wind Export Association (DWEA) organizes joint export drives for the Danish wind industry at the international wind fairs under the brand “Pavilion of Denmark”.

Furthermore, DWEA offers networking, seminars and delegation tours.

DWEA – owned by Danish Export Association and Danish Wind Industry Association.

Visit us at Wind Expo 2017, 1-3 March, in East Hall 1

37.6% of the Danish electricity consumption comes from wind and in 2020, the 50% mark will be reached. Since the commissioning of the world’s first offshore wind farm in 1991, Denmark has been at the constant forefront of policy, financing, research and development. Today, Denmark is home to 1,271 MW offshore wind capacity, proving that large-scale integration of fluctuating energy is possible with a first class transmission infrastructure.

Stateofgreen.jp is your online entry point for all relevant information on green solutions in Denmark and around the world. State of Green is a public-private partnership founded by the Danish Government, the Confederation of Danish Industry, the Danish Energy Association, the Danish Agriculture & Food Council and the Danish Wind Industry Association.

Stateofgreen.jpでは、デンマークや世界のグリーンソリューションに関する様々な情報をオンラインでご覧いただけます。State of Greenはデンマーク政府、Confederation of Danish Industry、Danish Energy Association、Danish Agriculture & Food Council、Danish Wind Industry Associationが出資する官民共同のコンソーシアムです。

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現在のデンマークの消費電力の37.6%が風力発電によるものであり、2020年には50%に達する見通しです。1991年に世界初の洋上ウィンドファームを建設して以来、デンマークは政策、資金、研究開発の各分野で先頭を走り続けています。現在、デンマークの洋上風力発電能力は1,271 MW。最先端の送電インフラにより、変動のあるエネルギーの大量導入が可能となっています。

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