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Energy and Climate Change Board

A group of business leaders committed to tackling the UK's triple challenges of energy security, affordability and de-carbonisation

As well as showing ambition and leadership on these issues within the business community, its members aim to work with the government to set the right conditions to attract investment in low-carbon solutions and drive consumer demand for sustainable products.

Chairman of the CBI Energy and Climate Change Board  



Ben Verwaayen, CBI Energy and Climate Change Board

Chairman

Ben Verwaayen is the former CEO of BTplc and Alcatel-Lucent. Presently he is a partner in RoBen Partners, a London based VC. He sits on various global boards, amongst others in the US and in India.

In 1988 he became a director of PTT Telecom, the state-owned Dutch telecoms group that was a forerunner of today's KPN. He was appointed to the board of Lucent Technologies in 1997, and moved to the United States to take up the role. He then became CEO of BT. During his time there, he was also a board member for Dutch TV production company Endemol.

Eric Machiels, Chief Executive, Infinis

Eric Machiels became the Group's chief executive in August 2009. Mr Machiels has been involved with Infinis since January 2008 when he was seconded into the business from Terra Firma Capital Partners Limited, having previously joined Terra Firma Capital Partners Limited as Business Director in September 2007 and the Infinis Capital Board in October 2007.

Prior to joining Terra Firma Capital Partners Limited, Mr Machiels held executive positions within two portfolio companies of Clayton, Dubilier & Rice, a US private equity firm and most recently as Managing Director of Sirva Inc.'s Continental European division from 2004 to 2007.

He worked as an Investment Director at UBS Capital from 1999 to 2002. Mr Machiels obtained an MBA from the Harvard Business School in 1996. He previously graduated from the University of Leuven Law Faculty (Belgium) in 1989.

Erik Bonino, Chairman, Shell UK

Erik Bonino has been executive vice president of Global Solutions Downstream within Shell's Projects & Technology (P&T) organisation and chairman of Shell UK since April 1 2014.

In his P&T role, Erik has responsibility for technology support to Shell's downstream assets and products (including fuels and lubricants), as well as commercial activities spanning refining and chemicals licensed technology, services and catalysts for the oil and gas, petrochemical and other processing industries. These activities are delivered primarily through teams working out of Shell's technology centres in Amsterdam, Bangalore, Hamburg and Houston with a significant population also based in the UK.

Erik had previously been Shell's executive vice president of Project and Engineering Services within P&T since June 2008 with responsibility for the delivery of new production facilities, technology and technical support for operations in reliability and asset integrity.

Erik holds a Master's degree in Business Administration from the Cranfield School of Management and a Bachelor's of Science degree in Electrical

Engineering from Southampton University. He joined Shell in 2002 following 18 years in the oil and gas industry, first as design engineer in major projects and then in consulting as Vice President Energy & Utilities at Cap Gemini Ernst & Young.

As VP of Engineering and Analytical Technology for Shell Global Solutions, Erik led the implementation consultancy focusing on business improvement programs for third party manufacturing clients, in Europe, Africa and South America. Later as General Manager of Planning and Performance Improvement, Global Manufacturing, he was responsible for business planning, performance, benchmarking and improvement of more than 30 Shell refining and chemicals sites.

Erik is a trustee of EngineeringUK, a group which supports and encourages students to take up science and technology subjects and follow a career into engineering.

Jeremy Wilson, Vice Chairman, Barclays Corporate

Jeremy Wilson is vice chairman, Corporate Banking, responsible for engagement at Board or ExCo level with Barclays' major corporate and institutional customers, for Barclays' representation on industry initiatives, and as a representative of the financial services sector on global and regional industry bodies.

Prior to assuming this role Jeremy Wilson was responsible for the operational banking needs of Barclays financial institution business and, before that, of the large corporate clients at the Group's Head Office. He also worked in the group's credit risk unit following 10 years overseas - in the United States, as personal assistant to the Chairman of Barclays' principal subsidiary; in Vanuatu, as manager of Barclays finance centre interests there; and in Australia, as a corporate account executive. He began his career at Barclays as a graduate of Durham University on the group's Management Development Program.

He is also chairman, Barclays Bank Egypt; Chair, UK Payments Industry Government Co-ordination Committee; a director of TheCityUK and chair of TheCityUK Audit Committee; chair of the Banking Industry Environment Initiative Working Group, a board director of BAFT-IFSA and chair of BAFT-IFSA Nominations Committee; and a trustee of a number of charitable Trusts covering the banking industry and education in the UK and overseas. He is also engaged in a number of sustainability initiatives. He has been Chair of Bloomsbury Publishing PLC; Chair of CHAPS Clearing Company Limited; Chair of BAFT-IFSA; a chair of the Barclays Group Credit Committee, a director of Barclays Pension Funds Trustees Limited, a director of the Bankers' Benevolent Fund, chair of the International Finance Conference (IFC) and a Co-chair of BAFT-IFSA Europe Council.

John Petter, Chief Executive, BT Consumer

John Petter, 44 was appointed chief executive, BT Consumer on September 1, 2013.

BT Consumer is the UK's leading provider of communications products and services including voice, broadband and TV services and serves around 10m consumer customers.

John leads the development of BT's innovative broadband and television services which includes the delivery of fibre broadband, BT Sport and YouView - a joint venture with the BBC, Channel 4, Channel 5, Arqiva, TalkTalk and ITV which aims to build an open internet-connected TV platform in the UK.

John joined BT in 2004 as chief operating officer for BT Retail Consumer Division, before being appointed managing director of the unit in 2008. John has previously held roles as Marketing and Commercial director at Virgin Media (formerly Telewest) and Brand Manager at Procter and Gamble.

He was appointed to chairman of the Board of Plusnet in 2008, and has overseen the development of Plusnet as a key part of BT's strategy to cover the value segment of the broadband market.

Neil Sachdev, Non-Executive Director, Intu Properties plc

Neil Sachdev is a FTSE 100 board director who has a vast experience working as a director in some of the leading company's of there sector within the UK and international scale, such as Tesco ,J Sainsburys and Intu Property Plc. He has a deep expert knowledge of customers and process engineering.

Currently he is working as a non executive at Intu plc .Neil also works with BIS ,CBI Energy and Climate Change Board and Imperial College - The Grantham Institute.

His expertise is sort after by a large number of start up businesses and entrepreneurs, who's aim is to enter the commercial world and specifically carbon waste management. This is based on his significantly proved input over his 35 year career ,delivering multi million pound projects which have resulted in solutions achieving the best results for customers optimising costs and sustainable methods.

Steve Sharratt, Chief Executive, Bio Group

Steve Sharratt is the chief executive of Bio Group, the UK's largest business of its kind. It reduces greenhouse gas emissions by generating sustainable energy and creating soils from household and commercial organic waste.

Mr Sharratt is a member of the advisory group to the climate change business summit hosted by Prince Charles, is chairman of the CBI SME Council, a member of the DTI investment taskforce and an HMRC advisory board member.

Tim Hinton, Managing Director, SME and Mid-Markets, Lloyds Bank

Tim joined Commercial Banking as Managing Director, SME and Mid Markets Banking in November 2013 following 27 years at Standard Chartered. He heads two of the largest client segments in Commercial Banking and is also responsible for Commercial Banking Lending products. Tim is a member of the Commercial Banking Management Group and also sits on a number of Group committees, including the Responsible Business Committee.

At Standard Chartered, Tim held a number of senior roles in both the Wholesale and Consumer Banking businesses including the Global Head of Mid Markets and Commodities from 2005–10 and the Global Head of SME Banking from 2012–13. He has a broad international experience having worked in London, Hong Kong, Singapore, India, South Korea and Dubai in a variety of front, middle and back office roles. Tim was a member of the Client Coverage Management Team and the Consumer Banking Management Group. He was also Non-Executive Director of the UK Business Growth Fund from 2010-12.

Sir Adrian Montague, Non-Executive Chairman, Aviva plc

Adrian is currently the non-executive Chairman of Aviva plc (insurance) and Manchester Airports Group (utilities). He is also non-executive director of CellMark Investments AB of Gothenburg and is Chairman of The Point of Care Foundation (charitable trust). He has held leadership roles in organisations and businesses operating in the energy, utilities, infrastructure and finance sectors, including chairman of 3i Group, chairman of Anglian Water Group, chairman of British Energy Group plc (utilities), non-executive director of Skanska AB of Stockholm and deputy chairman of the UK Green Investment Bank

From 1999-2001 he held senior positions connected with the implementation of Government's policies to expand the use of private finance in the provision of public infrastructure, first as the Chief Executive of the Treasury Taskforce, then as Deputy Chairman of Partnerships UK plc.

Before 1999, he was the Global Head of Project Finance at Dresdner Kleinwort Benson, having joined the bank in 1993, after 20 years as a lawyer with Linklaters & Paines.

Sir Adrian was awarded a CBE in 2001 and is a Law graduate of Cambridge University.

Mark Elborne, President & Chief Executive Officer, GE UK and Ireland.

GE has 22,000 employees in the UK and Ireland, with 60 major sites, of which more than 40 engage in R&D, manufacturing and servicing high technology products in the energy, aviation, marine, defence, healthcare, oil & gas and transportation sectors. The UK is also home for the Global HQ's of GE Oil & Gas, GE Healthcare Life Sciences and GE Capital International.

Mark has been in his current role since 2009. Mark joined GE in 2004 as EVP

and General Counsel of GE Insurance Solutions (ERC), based in Kansas City, MO. In 2006, Mark moved to Brussels as VP and General Counsel, Europe for GE International Inc.

Mark graduated with Honours in History & Politics from Exeter University in 1979, attended the College of Law in London (1979-81) and qualified as a solicitor in 1983. He spent 24 years with Cameron McKenna in London before joining GE. Mark was admitted to the Missouri Bar in September 2004.

Mark is married with five children. He lives in the UK.

Tanuja Randery, Zone President UK & Ireland, Schneider Electric

Tanuja joined Schneider Electric in 2015 from BT Global Services, where she served as President, Strategy, Marketing & Transformation responsible for the growth transformation agenda. Prior to BT, Tanuja spent 10 years at Colt Group, in both strategy and operations roles - while at Colt she led the UK/IE Enterprise Business, was MD of Benelux and setup Colt's Global Business division. Tanuja also led the acquisition of MarketPrizm - a low latency trading infrastructure company and was CEO of the entity driving the expansion into Asia and cross asset classes.

Tanuja's professional career has also seen her working as Vice President of Strategy at EMC Corp where she led a number of key M&A initiatives and she worked seven years as a Consultant at McKinsey, specialising in technology and sales and marketing effectiveness, both in the United States.

Keith Chanter, Chief Executive Officer, EMCOR UK

Keith graduated in Industrial Economics at Nottingham University in 1979 and went on to qualify as a Chartered Accountant in the London office of Deloitte Haskins & Sells (now PWC) in 1982. In 1986, Keith joined BOC PLC, the global industrial gases company, where he spent 11 years holding a number of senior- and board-level positions for several of the operating companies and business divisions. In 1997, he moved to Bristow Helicopters Group as Group Finance Director, and, in 1999, was promoted to CEO to lead a business turnaround.

After a few years in consultancy, Keith joined EMCOR, in July 2007, as Group Finance Director, and, in November 2008, he became Chief Executive Officer. In his spare time, Keith can often be seen enjoying motorsport as a club racer or "pushing the pedals" on his mountain bike.

Mark Hanafin, Group Executive Director and Chief Executive, Energy Production, Trading and Distributed Energy, Centrica

Mark has senior management experience across the energy value chain from E&P through to product sales. He has excellent midstream and trading credentials as well as a strong track record in developing supply and marketing businesses. Before joining Centrica, Mark spent 21 years with Royal Dutch

Shell, most recently as chief executive officer of Shell Energy North America in Houston. Prior to joining Shell, he worked for General Electric Company having qualified as a chartered engineer.

Carl Ennis, Managing Director, Power Generation Services, Siemens UK and Ireland.

Carl is responsible for ensuring Siemens delivers a quality service to its customers, improving operations and focusing on how technology and innovation can be applied to maintain Siemens leading position in the power and gas market.

Carl has a passion for engineering and has worked in a number of prominent management positions in the UK and overseas. Carl started his career as a technical apprentice for Whipp and Bourne Switchgear and is a keen advocate of the skills agenda, continuing to support investment in training new and existing engineering talent to address the skills shortage.

Following his apprenticeship, Carl worked at GEC Alstom for five years as a design engineer during which time he also graduated from Manchester Metropolitan University with an honours degree in Integrated Engineering Systems. He then joined Siemens as the General Manager for Siemens Industrial Projects and Systems in 1997. After three years, he left to become Managing Director of Weir Valves and Controls before returning to Siemens in 2004 to manage Siemens Transmission and Distribution's service business. In 2007 Carl was appointed Divisional Managing Director of Siemens Power Generation and in 2010 Divisional Managing Director of Siemens Energy Service.

For 3 years, Carl was based in Shanghai, China, where he was responsible for the Power Generation Services business in AsiaPacific, returning to the UK in January 2015.

Keith Anderson, Chief Corporate Officer, ScottishPower, CEO, ScottishPower Renewables

Keith Anderson is ScottishPower's Chief Corporate Officer with responsibility for the Iberdrola Group's activities in the UK - in particular leading the Group's £15bn investment plan to 2020. Keith was appointed to the Board in January 2012.

At ScottishPower, we've made a public commitment to continue to be the UK leader in renewable energy solutions. And we don't take that lightly. That's why Keith also retains his role as Chief Executive Officer of ScottishPower Renewables, which is the UK arm of Iberdrola's Renewables Division. His responsibility encompasses all of the Group's renewables activity in the UK and Iberdrola's global offshore business.

Prior to joining ScottishPower to help us meet our responsibilities, Keith worked with some major financial institutions including The Royal Bank of Scotland and

Standard Life, as well as working as a management consultant with Ernst & Young.

Sue Graham Johnston, Managing Director, BOC UK, Ireland and Africa

Sue joined BOC in June 2015 from Oracle Corporation where she had worked since 2005. She held various management positions at Oracle, most recently as Vice President Business Strategy & Product Operations for their Telecommunications Global Business Unit.

Prior to that, Sue worked for many years in the US, including for Sun Microsystems where she worked on New Product Introduction, Quality & Grid Solutions, Value Engineering and High End Supply Management. She was also a senior consultant at Bain & Company in San Francisco and Hong Kong and also used to work in the UK.

Sue holds degrees in Mechanical Engineering & Product Design and Manufacturing Systems Engineering as well as an MBA from Stanford University.