

FOR: BE SEMICONDUCTOR INDUSTRIES N.V.
Ratio 6
6921 RW Duiven, The Netherlands

PRESS RELEASE

BE Semiconductor Announces Supervisory Board Nominations

Duiven, the Netherlands, April 7, 2009, BE Semiconductor Industries N.V. ("the Company" or "Besi") (Euronext: BESI), a leading manufacturer of assembly equipment for the semiconductor industry, today announced the nomination of Messrs. Douglas J. Dunn, Dirk Lindenbergh, Kin Wah Loh and Jan Vaandrager for appointment as Supervisory Board members at the Annual General Meeting of Shareholders to be held on May 12, 2009 in Duiven, the Netherlands.

Mr. Dunn, 64, has extensive experience in the semiconductor and semiconductor equipment industries both as a managing director as well as in the capacity of a non executive director. Currently, Mr. Dunn serves as Chairman on the supervisory board of Arm Holdings PLC and also serves on the supervisory boards of STMicroelectronics N.V., Tomtom N.V. and Soitec SA. From 1999-2004, Mr. Dunn was CEO and President of ASML Holdings N.V. From 1993-1998, he worked in various executive positions for Philips NV, including Chairman and CEO of Philips Consumer Electronics, Chairman and CEO of Philips Semiconductor and a member of the management board of Royal Philips Electronics. From 1980-1993, Mr. Dunn served as Chairman and CEO of GEC Plessey Semiconductors PLC and its predecessor. Mr. Dunn, a British citizen, received a degree in electrical and electronic engineering from the Sheffield College of Advanced Technology.

Mr. Lindenbergh, 60, is a private entrepreneur and currently, according to the AFM, holds 6.62% of Besi's ordinary shares outstanding at December 31, 2008. During his career, Mr. Lindenbergh founded Errel, an international gaming company which was sold in 2000 to ABN AMRO Bank and NPM Capital. He also serves on the supervisory boards of Blue Fox Enterprises NV, Astor II Participations (private equity), Midlin N.V., Schild-Holland N.V. and Docdata N.V. Mr. Lindenbergh, a Dutch citizen, received a master in business administration from the Nyenrode University. He also studied business valuation at the Erasmus University in Rotterdam.

Mr. Loh, 54, is an experienced manager in the semiconductor and semiconductor equipment industries, with particular expertise in Asian markets. Since May 2006, Mr. Loh has been President and CEO of Qimonda AG (Munich, Germany). Between 1997 and 2006, he served in various senior management and board level positions for Infineon Technologies AG and its parent, Siemens AG including Managing Director of its Memory Products Business Group, Communication Business Group and Asia Pacific Business Group. Between 1978 and 1997, he served in various engineering and production management roles at Siemens Components both in Europe and Asia. Mr. Loh, a Malaysian citizen, received an honors degree in chemical engineering at the University of Malaya (Kuala Lumpur) and has a certified diploma in Accounting and Finance from ACCA (London, UK).

Mr. Vaandrager, 65, has extensive experience in finance, controlling and management of European public and private industrial companies. Since 2001, until retirement in 2008, he has been CFO and member of the executive board of TKH Group N.V. Prior thereto, he held various finance, treasury, procurement and general management functions for Schmalbach-Lubeca A.G., Robannic Europe B.V., Thyssen Bornemisza Europe N.V. and SHV Holdings N.V. Mr. Vaandrager received a business economics degree from the Free University of Amsterdam.

Mr. Maris has indicated to the Supervisory Board that he will resign from the board at the 2009 Annual General Meeting of Shareholders. Mr. Tom de Waard, a current member of the Supervisory Board, has replaced Mr. Willem Maris as Chairman of Besi's Supervisory Board effective April 7, 2009. Mr. Polak has indicated to the Supervisory Board that he is not available for re-appointment at the 2009 Annual General Meeting of Shareholders. If all nominees are confirmed, the Besi Supervisory Board will increase from three to five members.

About BE Semiconductor Industries N.V.

BE Semiconductor Industries N.V. designs, develops, manufactures, markets and services die sorting, flip chip and multi-chip die bonding, packaging and plating equipment for the semiconductor industry's assembly operations. Its customers consist primarily of leading U.S., European and Asian semiconductor manufacturers, assembly subcontractors and industrial companies which utilize its products for both array connect and conventional leadframe manufacturing processes. For more information about Besi, please visit our website at www.besi.com.

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Caution Concerning Forward Looking Statements

This press release contains statements about management's future expectations, plans and prospects of our business that constitute forward-looking statements, which are found in various places throughout the press release, including, but not limited to, statements relating to expectations of orders, net sales, product shipments, backlog, expenses, timing of purchases of assembly equipment by customers, gross margins, operating results and capital expenditures. The use of words such as "anticipate", "estimate", "expect", "can", "intend", "believes", "may", "plan", "predict", "project", "forecast", "will", "would", and similar expressions are intended to identify

forward looking statements, although not all forward looking statements contain these identifying words. The financial guidance set forth under the heading “Outlook” constitute forward looking statements. While these forward looking statements represent our judgments and expectations concerning the development of our business, a number of risks, uncertainties and other important factors could cause actual developments and results to differ materially from those contained in forward looking statements, including our inability to maintain continued demand for our products, the impact of the worldwide economic downturn on our business, failure of anticipated orders to materialize or postponement or cancellation of orders, generally without charges; the volatility in the demand for semiconductors and our products and services; failure to adequately decrease costs and expenses as revenues decline, loss of significant customers, lengthening of the sales cycle, incurring additional restructuring charges in the future, acts of terrorism and violence; risks, such as changes in trade regulations, currency fluctuations, political instability and war, associated with substantial foreign customers, suppliers and foreign manufacturing operations; potential instability in foreign capital markets; the risk of failure to successfully manage our diverse operations; those additional risk factors set forth in Besi’s annual report for the year ended December 31, 2007 and other key factors that could adversely affect our businesses and financial performance contained in our filings and reports, including our statutory consolidated statements. We are under no obligation to (and expressly disclaim any such obligation to) update or alter our forward-looking statements whether as a result of new information, future events or otherwise.

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PERSBERICHT

BE Semiconductor kondigt voorstel tot benoemingen commissarissen aan

Duiven, 7 april 2009, BE Semiconductor Industries N.V. ("BesI") (Euronext: BESI), een toonaangevende leverancier van assemblagemachines voor de halfgeleiderindustrie, heeft vandaag het voorstel tot benoeming van de heren Douglas J. Dunn, Dirk Lindenbergh, Kin Wah Loh en Jan Vaandrager als leden van de Raad van Commissarissen op de Algemene Vergadering van Aandeelhouders op 12 mei 2009 te Duiven bekend gemaakt.

De heer Dunn, 64, heeft jarenlange ervaring in de halfgeleiderindustrie en machinebouw voor de halfgeleiderindustrie, zowel in de functie van algemeen directeur als van commissaris. Op dit moment is de heer Dunn voorzitter van de Raad van Commissarissen van Arm Holdings PLC, en tevens lid van de Raad van Commissarissen van STMicroelectronics N.V., Tomtom N.V. en Soitec S.A. De heer Dunn was van 1999 tot 2004 President en CEO van ASML Holdings N.V. Van 1993 tot 1998 was de heer Dunn werkzaam in diverse directieposities bij Philips NV, o.a. als voorzitter van de Raad van Bestuur van de divisie Philips Consumer Electronics en de divisie Philips Semiconductor, en tevens als lid van de management board van Royal Philips Electronics. Van 1980 tot 1993 was de heer Dunn Chairman van de Board en CEO van GEC Plessey Semiconductors PLC en haar rechtsvoorganger. De heer Dunn is een Brits staatsburger en heeft een universitaire graad behaald in elektro- en electronicatechniek aan het Sheffield College of Advanced Technology.

De heer Lindenbergh, 60, is particulier ondernemer en bezit op dit moment, volgens de AFM, 6,62% van BesI's uitstaande aandelen per 31 december 2008. Tijdens zijn carrière heeft de heer Lindenbergh het bedrijf Errel opgericht, een internationaal speelautomaten- en gamingbedrijf, welke in 2000 is verkocht aan ABN AMRO Bank en NPM Capital. De heer Lindenbergh is tevens lid van de Raad van Commissarissen van Blue Fox Enterprises NV, Astor II Participations (private equity), Midlin N.V. en Docdata N.V. De heer Lindenbergh is Nederlands staatsburger en heeft een MBA titel in bedrijfskunde aan de Nyenrode Universiteit behaald. Hij heeft tevens een postdoctorale opleiding "waarderen van ondernemingen" gevolgd aan de Erasmus Universiteit in Rotterdam.

De heer Loh, 54, is een ervaren leidinggevende uit de halfgeleiderindustrie en machinebouw voor de halfgeleiderindustrie, met name in Azië. Sinds mei 2006, is de heer Loh President en CEO van Qimonda AG (München, Duitsland). Van 1997 tot 2006 heeft hij diverse senior management- en directiefuncties vervuld bij Infineon Technologies AG en haar moedermaatschappij Siemens AG, inclusief Algemeen Directeur van de Memory Products Business Group, Communication Business Group en Asia Pacific Business Group. Van 1978 tot 1997 was hij werkzaam in diverse engineering- en productiemanagement-functies bij Siemens Components, zowel in Europa als in Azië. De heer Loh, een Maleisisch staatsburger, heeft een eredoctoraat in scheikunde ontvangen van de Universiteit van Malaya (Kuala Lumpur) en heeft een gecertificeerd diploma in Accounting & Finance van ACCA (London, Groot Brittannië).

De heer Vaandrager, 65, heeft uitgebreide ervaring in finance, controlling en management van Europese beursgenoteerde en niet-beursgenoteerde industriële bedrijven. Sinds 2001, tot aan zijn pensioen in 2008, was de heer Vaandrager CFO en lid van de Raad van Bestuur van TKH Group N.V. Daarvoor heeft hij diverse finance-, treasury-, inkoop- en algemene managementfuncties bekleed voor o.a. Schmalbach-Lubeca A.G., Robannic Europe B.V., Thyssen Bornemisza Europe N.V. en SHV Holdings N.V. De heer Vaandrager heeft een universitaire graad (drs.) in bedrijfseconomie behaald aan de Vrije Universiteit van Amsterdam.

De heer Maris heeft de Raad van Commissarissen te kennen gegeven dat hij op de Algemene Vergadering van Aandeelhouders 2009 zal aftreden. De heer De Waard, lid van de Raad van Commissarissen, zal de heer Maris opvolgen als voorzitter van Besi's Raad van Commissarissen met ingang van 7 april 2009. De heer Polak heeft de Raad van Commissarissen meegedeeld dat hij niet beschikbaar is voor herbenoeming op de Algemene Vergadering van Aandeelhouders 2009. Indien alle kandidaten zullen worden benoemd, zal de Raad van Commissarissen van Besi worden uitgebreid van drie naar vijf leden.