

POWER OF ATTORNEY

The undersigned:

..... acting in his/her/its capacity of holder of shares in BE Semiconductor Industries N.V., having its official seat in Amsterdam, the Netherlands, hereinafter to be referred to as: the "Company",¹

hereby grants power of attorney, with the right of substitution, to Elmar Dijkstra, civil law notary at Taylor Wessing N.V., Amsterdam, and/or his legal substitute and/or each civil law notary of Taylor Wessing N.V.,² to attend, vote and exercise any and all shareholders rights at the Annual General Meeting of Shareholders of the Company (the "AGM") to be held on April 23, 2026, including the authority to vote, on behalf of the undersigned, on the various items of the agenda (the "Agenda"), as sufficiently known to the undersigned and as available (with annexes) on the Company's website at www.besi.com and at the Company's offices (Ratio 6, 6921 RW Duiven, the Netherlands) and ABN AMRO Bank N.V. (via email: ava@nl.abnamro.com), in the manner as set out below:³

No.	Agenda item	For	Against	Abstain
1.	Opening	N/A	N/A	N/A
2.a.	Consideration of report of the Board of Management 2025	N/A	N/A	N/A
2.b.	Consideration compliance Corporate Governance Code	N/A	N/A	N/A
3.	Adoption of annual accounts 2025			
4.a.	Reservation and dividend policy	N/A	N/A	N/A
4.b.	Declaration of dividend			
5.a.	Discharge of member of the Board of Management			
5.b.	Discharge of Supervisory Board members			
6.	Positive advisory vote on the Remuneration Report 2025			
7.a.	Reappointment of Mr Carlo Bozotti as Supervisory Board member			
7.b.	Reappointment of Mr Niek Hoek as Supervisory Board member			
8.a.	Authorization to issue ordinary shares			
8.b.	Authorization to exclude or restrict pre-emptive rights			
9.	Authorization to acquire ordinary shares			
10.	Cancellation of ordinary shares			
11.	Appointment of the external auditor for the financial years 2026 and 2027			
12.	Appointment of the external auditor to carry out the assurance of the Company's sustainability reporting for the financial years 2026 and 2027			
13.	Any other business	N/A	N/A	N/A
14.	Closing	N/A	N/A	N/A

¹ Please attach copy of passport and documents evidencing that the representative/signatory is hereby authorised to represent the company or legal entity (e.g. by means of an extract of the Trade Register evidencing the authority).

² The proxyholder Elmar Dijkstra (and/or his legal substitute and/or each civil law notary of Taylor Wessing N.V.) is authorised to share the voting instructions given by a shareholder with the Board of Management of the Company, unless the shareholder explicitly states by email to e.dijkstra@taylorwessing.com no later than 5:00 p.m. on April 16, 2026 that he/she does not consent to the sharing of the voting instructions given by him/her.

³ In case this proxy is granted without voting instructions it shall be deemed to include a voting instruction in favour of all proposals made by the Board of Management of the Company where no voting instruction was given.

and to vote on any resolution coming up for voting to maintain the integrity of the Agenda.

In the event the shareholder later decides to attend the meeting, the shareholder has the possibility to withdraw his/her/its proxy and voting instruction prior to the meeting, at the reception desk of the venue of the AGM.

The undersigned agrees to hold the proxy harmless for and indemnify the proxy against any claims or action brought against the proxy and against any damage, costs, or expenses that the proxy may sustain or incur in following these voting instructions in good faith.

Signed in on 2026

by:

title: