

Economic Mission Semiconductor Industry & Photonics to New York State, Connecticut & Ontario, 9 – 14 June 2024

	Organization	First Name	Last Name	Job position	Organization Type	Organization Description	Website	No. of employees
1	Astrape Networks	Francesco	Pessolano	CEO	Company (SME)	Astrape Networks was established in 2022 with the mission to enhance the efficiency of data center networks. Our aim is to develop optical networks that offer the same flexibility and low-latency performance as electro-optical networks, while also boosting performance for heavy data traffic typical of contemporary AI and high-frequency trading applications.	<a href="https://www.astrape.net">https://www.astrape.net</a>	10 - 49
2	Axelera AI BV	Giuseppe	Garcea	Director of Silicon	Company (SME)	Axelera AI creates cutting-edge, scalable technology with best-in-class performance and energy efficiency to accelerate AI inference at the edge. For this purpose Axelera AI builds upon a custom dataflow architecture with multicore in-memory-compute technology, making the accelerator performant, scalable, easy-to-use, are energy efficient and cost effective. Axelera AI's accelerator platform aims to boost smart applications in agriculture, manufacturing, smart city, drones and retail. Axelera AI is a multi-national European startup with offices in The Netherlands, Belgium, Switzerland, UK, and Italy with currently 160+ persons on board.	<a href="https://www.axelera.ai/">https://www.axelera.ai/</a>	50-249
3	BKB Precision	Mannes	Westhuis	CEO	Company (SME)	BKB Precision's core activity is the precise CNC machining of high-quality plastics to an accuracy of no less than 3µm (turning, milling and combined turning-milling). BKB Precision is a specialist in the field of plastic processing and CNC machining techniques. We have a lot of all-round experience, can come up with custom-made solutions, and enjoy taking on challenges. In short, when it comes to plastics, we can make the almost impossible possible.	<a href="https://www.bkbprecision.com">https://www.bkbprecision.com</a>	50-249
4	Bronkhorst High-Tech	Ric	Besseling	Lead Customized Flow Solutions	Company (Industry)	We develop and manufacture smart, sustainable and customer-specific low flow fluidics handling solutions. Our precise and reliable mass flow meters and controllers for liquids and gases find their way in a wide variety of industries. The semiconductor industry is one of our focus markets.	<a href="https://www.bronkhorst.com/int/">https://www.bronkhorst.com/int/</a>	1-9
5	Demcon Management & Support	Jan	Leideman	New business development manager	Company (Industry)	We are working on solutions to social challenges in the areas of semicon, photonics and optics, energy, high-tech systems & materials, life sciences & health, We do this by developing, manufacturing and supplying high-quality technology and innovative products.	<a href="http://demcon.com">http://demcon.com</a>	1-9
6	FabMax BV	Eduard	Hoeberichts	CEO	Company (SME)	Development of new lithography for low volume and high mix applications, e.g. small fabs in USA and EU. Applications are often new photonic and quantum structures or trust anchors and cyber security. Both co-development and implementation in low volume fabs.	<a href="http://www.fab-max.eu">http://www.fab-max.eu</a>	1-9

7	Holst Centre	Gerwin	Gelinck	CTO	R&D Institution	Holst Centre, named after Gilles Holst, a Dutch research and development pioneer and the first director of Philips Research, was founded in 2005 by leading research institutes imec and TNO. By combining valuable expertise in wireless sensor technologies flexible electronics and recently integrated photonics, our clients benefit from a unique research and innovation centre for microelectronics, currently employing over 180 specialists from 28 nations. Our partners particularly value our ability to develop demonstrators and prototypes. Building on this proof-of-concept, they turn our technologies into new products and new manufacturing processes	<a href="http://holstcentre.com">http://holstcentre.com</a>	50-249
8	HQ Pack	Martin	de Kramer	Key Account Manager Global Services	Company (Industry)	At HQ Pack, we ensure complete systems, sensitive and vulnerable components can be transported safely from one location to another. We proactively bring flexibility and reliability to meet our customer demands, while also enjoying the work we do & taking care of the entire process. We ensure everything we do and touch is focused on providing the most reliable shipment solution possible, in the most responsible way. The majority of our customers operate on a global scale, so HQ Pack has locations in three key regions. Our head office and main production facilities are in Eindhoven, the Netherlands. To offer local support and servicing we have a facility in Johor, Malaysia and three facilities in the United States of America: Brookfield (CT), Newark (CA) and San Diego (CA). Each location applies the same standards, works with the same materials and machines, and uses the same techniques. So wherever in the world you place your order, you are assured of the same high quality.	<a href="http://www.hqpack.nl">http://www.hqpack.nl</a>	250+
9	imec USA	Joseph	Pasetti	VP, Legal & Corporate Affairs	R&D Institution	Leading semiconductor research consortium	<a href="http://www.imec-int.com">http://www.imec-int.com</a>	250+
10	inPhocal	Kathy	Vredeveltdt	CFO/Co-Founder	Start-up	inPhocal technology makes laser systems more efficient and superior compared to the current technology and offers a sustainable alternative.	<a href="https://inphocal.com/">https://inphocal.com/</a>	10 - 49
11	Integrated Mechanization Solutions B.V.	Ton	Pothoven	CEO	Company (SME)	Development and realization of production- and test equipment.	<a href="http://www.ims-nl.com">http://www.ims-nl.com</a>	50-249
12	LioniX International	Arne	Leinse	CEO	Company (SME)	LioniX International is a vertically integrated foundry specialized in silicon nitride waveguide technology. LioniX develops and produces Photonic Integrated Circuit (PIC) containing modules for OEM customers. The full route from prototype development to volume production is offered to our customers.	<a href="http://www.lionix-international.com">http://www.lionix-international.com</a>	50-249
13	Mecal high tech systems	Richard	Jungman	CEO	Company (SME)	30yr experience in creating the conditions of high tech and semicon research and production	<a href="http://www.mecal-hts.com">http://www.mecal-hts.com</a>	50-249

14	MESA+ Institute	Hans	Hilgenkamp	Scientific Director MESA+ Institute, Professor in Applied Physics and Nanotechnology	University	The MESA+ Institute of the University of Twente encompasses about 500 fte researchers working in the areas of nanotechnology, electronics, photonics and fluidics. MESA+ harbours the MESA+ NanoLab, a 1250 m <sup>2</sup> cleanroom facility in which academic research and industrial innovations go hand in hand. MESA+ is involved in several large scale (Growthfund) programs, such as QuantumDelta, PhotonDelta, NXTGEN Hightech, SolarNL and others	<a href="https://www.utwente.nl">https://www.utwente.nl</a>	250+
15	NXP Semiconductors	Maurice	Geraets	Executive Director NXP Netherlands	Company (Industry)	NXP Semiconductors (NASDAQ: NXPI) brings together bright minds to create breakthrough technologies that make the connected world better, safer and more secure. As a world leader in secure connectivity solutions for embedded applications, NXP is pushing boundaries in the automotive, industrial & IoT, mobile, and communication infrastructure markets while delivering solutions that advance a more sustainable future. Built on more than 70 years of combined experience and expertise, the company has approximately 34,500 employees in more than 30 countries and posted revenue of \$13.3 billion in 2023.	<a href="http://www.nxp.com">http://www.nxp.com</a>	250+
16	PHIX, Inc.	Stefan	Heinemann	General Manager	Company (SME)	PHIX provides an assembly and packaging service for photonic integrated circuits (PICs). We support chip prototypes as well as high-volume manufacturing and our engineers help optimize your design early on.	<a href="https://www.phix.com">https://www.phix.com</a>	10 - 49
17	PhotonDelta	Jorn	Smeets	Chief Marketing Officer	Other	PhotonDelta is a growth accelerator for the photonic chip industry. Over the years, PhotonDelta has established an ecosystem of organisations that research, design, develop, and manufacture solutions with integrated photonics technology. Connecting pioneers in the field with investors, and viable markets, PhotonDelta helps to take the industry forward with funding, investments and R&D roadmaps. PhotonDelta is located in the Netherlands but connects and collaborates worldwide.	<a href="http://www.photondelta.com">http://www.photondelta.com</a>	10 - 49
18	RijksUniversiteit Groningen	Elisabetta	Chicca	Professor on Bio-inspired Circuits and Systems	University	Groningen Cognitive Systems and Materials Center (CogniGron), based at the University of Groningen, is a unique multidisciplinary research centre. We do fundamental research into self-learning materials and systems for cognitive computing — computing that has the ability to learn and to handle complex challenges in a super-efficient way, inspired by how the human brain works. This means rethinking the computer as we know it. So, we are on a mission: to find a new blueprint for future-proof computing.	<a href="http://www.rug.nl/cognigron">http://www.rug.nl/cognigron</a>	250+

19	SCIL Nanoimprint Solutions	Rob	Voorkamp	CEO SCIL Nanoimprint Solutions	Start-up	Many products like smart phones, smart glasses and cars require high performance optics in combination with traditional semicon. Nanoimprint lithography offers an interesting alternative to conventional lithography techniques that involve expensive tools, complex processes, and limitations in patterning shapes. SCIL Nanoimprint Solutions offers high-volume production solutions for complex nano-structures at low cost and very high quality using a unique and proprietary nano-imprint lithography technology (SCIL). With our combination of imprint equipment, imprint materials and process know-how SCIL Nanoimprint solutions offers robust processes enabling nanometer resolution patterns on wafer areas up to 300 mm and on a large variety of wafer materials. It can be used to make patterns with feature sizes down to less than 10 nm and overlay alignment below 1 µm.	<a href="http://www.scil-nano.com">http://www.scil-nano.com</a>	10 - 49
20	Sioux Technologies	Arnoud	de Geus	CTO	Company (Industry)	Sioux Technologies is a strategic high-tech solutions provider that develops, innovates, and assembles complex high-tech systems with advanced software, mathware, electronics and mechatronics. With more than 1200 employees, Sioux supports or acts as the R&D departments of leading high-tech companies. Sioux is happy to take responsibility; from thinking along in the concept phase up to and including the delivery of series production, with an important focus on semiconductor production equipment.	<a href="https://www.sioux.eu/">https://www.sioux.eu/</a>	250+
21	Technolution BV	Theo	Tieman	Business unit director industry	Company (SME)	Ever since we started in 1987, we have been driven by curiosity and innovation. Our 300 colleagues thrive on bringing new technologies to practical applications in your domain. Technolution develops systems and products in a wide range of domains, ranging from traffic management systems to high-tech electronics. Technolution deploys our multidisciplinary expertise in an effective way to find the best solution for you, whether this means developing electronics, programmable logic, (embedded) software or a combination of these. As a technology integrator, we work closely with our customers to create practical, technological innovations that produce real value for their business case. We strive to create the best solutions at all stages of product development. From idea to proof of concept, from proof of concept to a new product introduction. We excel when it comes to electronics, programmable logic (FPGA), embedded software and we have the experience to help our customers achieve their goals by accomplishing complex multidisciplinary projects and products. In many years of designing and developing advanced instruments, we have accumulated a lot of in-house knowledge. Our customers are science organizations that are active in industry, semiconductors, space and imaging, medical technology and life sciences.	<a href="https://www.technolution.com">https://www.technolution.com</a>	250+

22	TNO	Kees	de Koning	program manager	R&D Institution	As an independent research organization, we're the driving force behind innovation. Our work makes an important contribution to resolving societal issues. Together with companies, from start-ups to multinationals, we work on innovations that define the future. We boost the competitiveness of companies and well-being in society – and we do it sustainably. TNO sets ambitious goals for the next decade in the areas of safety and security, health, digitalization, and sustainability.	<a href="http://www.tno.nl">http://www.tno.nl</a>	250+
23	University of Twente	Lennart	de Vreede	business developer	University	Embracing a cross-disciplinary approach and benefiting from the MESA+ NanoLab, over 500 researchers deliver high-quality, frequently ground-breaking research. MESA+ actively seeks collaboration with external partners providing an excellent setting for consortium formation. Besides our excellent scientists and facilities, we offer a strong regional ecosystem that creates the breeding ground to let ideas blossom and grow into relevant, successful solutions and businesses.	<a href="https://www.utwente.nl/en/mesa-plus/">https://www.utwente.nl/en/mesa-plus/</a>	250+

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