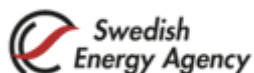




Cleantech Mission to Boston

The Nordics and The Netherlands meet the US

September 17 – 20th



Welcome

The Cleantech Mission to Boston 2019

The Nordics and the Netherlands produce top quality innovations each year and investments are currently going through the roof! Cleantech Scandinavia and Innovation Quarter organized a Cleantech Mission to Boston with some of the top companies with an interest to grow in North America, European investors and city representatives with interest to dive into the solutions and opportunities in the Boston area. This trip will be the first step towards a multi-year collaboration between the Netherlands, the Nordics, and the U.S. East Coast.

These are ambitious times in which the adoption of Energy Systems and Smart City solutions allows policy-makers and urban planners, as well as private investors and businesses to devote the critical actions required to accelerate smarter use of resources through collaborative actions and sharing knowledge and best practice.

The purpose of this Mission is to provide a platform for Nordic and Dutch Cleantech companies to grow on the US Market and for Cleantech Scandinavia's investor and industry members to grow their network with US investors, industry and cleantech companies and in general, for both groups, get a good introduction to the incredible Boston innovation eco-system.

The Mission is coordinated with MIT, Greentown Labs and Dutch Innovationquarter. It will include 15-20 Nordic and Dutch startups, with a focus on Smart City, Energy Systems and Advanced Materials. Below follows a draft agenda.

Don't miss this opportunity to get closer to some of the most innovative regions in the world.

Participation will be by invitation only.

The Program at a Glance

TUESDAY 17 SEP		WEDNESDAY 18 SEP		THURSDAY 19 SEP	FRIDAY 20 SEP
		8.00 AM – 11.00 AM Tour at Greentown Labs	8.30 AM – 10.00 AM Visit to Suffolk Downs Project	8.00 AM – 11.00 AM Meet the Buyer	Site visits & Meetings 08.30 AM – 09.45 AM Clippership Wharf 10.15 AM – 11.30 AM Bulfinch Crossing
New England Opportunities 12.00 PM – 2.30 PM		8.00 AM – 11.00 AM “Building Climate Neutral Cities” Workshop	10.15 AM – 11.15 AM HEET’s GeoMicro District Project	9.00 AM – 8.00 PM Participation and Pitching at Horizon19	12.00 PM– 13.30 PM Planning Roundtable
Site Visits & Meetings 3.00 PM – 4.00 PM MIT Senseable City Lab 4.00 PM – 5.00 PM MIT Materials Lab		11.30 AM – 5.00 PM Cleantech Showcase			13.30 PM– 13.45 PM Coffee & Mission Wrap Up
6.00 PM – 8.00 PM Networking event <i>Wilmer Hale’s office venue</i>		5.00 PM – 8.00 PM Networking event			

The Programme

The detailed programme follows in the next pages, carefully built for our delegation to see what is top notch innovation and inspiration in Boston and to seek partnerships and inspire to locals with the Nordic and Dutch futuristic solutions as well.

As seen in the page before, there are some activities that are in the same time slot, so read it carefully to choose what is the most interesting for you. The events here explained are not necessarily in chronological order.

New England Opportunities

The greater Boston region is rich with incubators and innovation centers, all with the physical resources, mentor networks and connections to key collaborators that will help to accelerate your company's growth. This session will provide an overview of the technology incubators within the ACTION Innovation Network, their geographies, areas of cleantech expertise, and how they collaborate as a network. You will also hear about various soft-landing programs that are offered within the network to international startups that are ready to initiate an expansion in the US in Massachusetts/New England, one of the main innovation ecosystems worldwide, or wish to leverage the knowledge and resources in the area and generate new business opportunities.

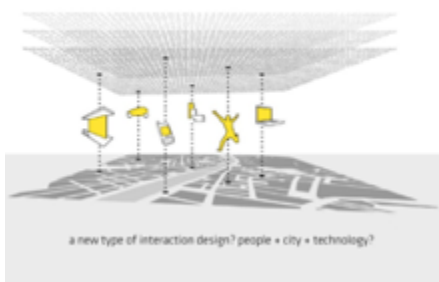
Presenters: Joan Popolo, Executive Director, ACTION Innovation Network, Chris Ilsley, North Shore InnoVentures

When: Sep 17, 1:00 - 2:15 PM | **Location:** 2 Amherst Street, Room MIT E51-085, Cambridge, MA 02142

Site Visits

In order to give our European companies a good and inspiring idea of the developments in the Boston region, and the key players in the field, we organize a variety of site visits to innovative projects, companies, organizations, or other institutions. With this, we aim to spark a dialogue between European and American parties, which will eventually lead to more and better solutions for partners on both sides. During the site visits we are looking for inspiration, a strong and knowledge based dialogue, and the exploration of possible collaboration in the future.

MIT senseable city lab:::



MIT Senseable City Lab

The SENSEable City Laboratory's research focuses on studying and predicting how digital technology is changing the way we describe, design, and occupy cities. Interconnected computational elements are increasingly saturating the built environment (whether small-scale mobile devices, or larger-scale infrastructural microprocessors). This new condition allows us to design technology that could function as an interface between people and the city.

The Lab's researchers come from various disciplines, allowing technological development with an emphasis on behavior as well as functionality and form, and evaluating design in terms of both emotion and use.

For more information about the Lab, please visit <http://senseable.mit.edu>.

When: Sep 17, 3:00 – 4:00 | **Location:** 77 Massachusetts Avenue, MIT 9-216, Cambridge, MA 02139

MIT Materials Research Lab

The MIT Materials Research Laboratory [MRL] encompasses research on energy conversion and storage; quantum materials; spintronics; photonics; metals; integrated microsystems; materials sustainability; solid-state ionics; complex oxide electronic properties; and functional fibers.

Originally two different Labs, The Materials Processing Center and the Center for Materials Science and Engineering, which merged in 2017 to deepen all interdisciplinary topics where materials play a critical role how to design and make materials that lead to systems that have improved performance or that enable new approaches to existing problems. The visit includes a presentation and a brief tour to MIT Nano Lab, which works in partnership with Materials Lab.

For more information about the Labs, please visit <https://mrl.mit.edu/> and <https://mitnano.mit.edu/>

When: Sep 17, 4:00 – 4:00| **Location:** 7 Massachusetts Avenue, MIT 13-2137.



Clippership Wharf Project

The Clippership Wharf project will transform an underutilized section of the East Boston Waterfront into an active, publicly-accessible extension of Maverick Square and the surrounding East Boston neighborhood. Lendlease proposes to deliver a predominantly residential project, featuring both apartments and condominiums, within four buildings comprised of approximately 478 housing units on the upper floors, and a mix of residential, community, restaurant, and recreational uses at the ground level. The site also benefits from exceptional public transit access, with the existing Maverick Square MBTA Blue Line station and proximate head house, and the existing water taxi infrastructure just steps from the

site. <https://www.lendlease.com/us/projects/www.clippershipwharf.com>

When: Sep 20, 8:30 – 9:45| **Location:** 65 Lewis Street, East Boston, MA 02128

Bulfinch Crossing

Through a unique combination of forward-thinking development strategies, Bulfinch Crossing emerges as a dramatic and unprecedented 4.8-acre transformation in the center of downtown Boston – which will create six new high-rise and mid-rise buildings – featuring the most breathtaking and unparalleled 360° views, overlooking Boston Harbor, North End, the Financial District, Back Bay, and the Charles River.

With over 1 million SF of office space, more than 800 residential units, and a vibrant new net-zero energy pedestrian public square, Bulfinch Crossing reconnects iconic downtown Boston neighborhoods and propels this heavily transit-served site forward into a 21st century global center.

<https://bulfinchcrossing.com/>

When: Sep 20, 10:15 – 11:30| **Location:** 1 Congress St, Boston, MA 02114



Networking reception at Wilmer Hale

To start the first evening of the Mission, the Dutch and the Swedish official organizations are inviting for a Network Reception.

The venue is the Wilmer Hale office in Boston, a extremely recognized law firm with clients that range from established industry leaders to emerging companies that reflect the New England region's status as one of the premier

technology and life science centers in the country. Their Boston office is a hub for the firm's litigation, corporate and intellectual property practices.

When: Sep 17, 6:00 – 8:00 PM |

Location: WilmerHale, 60 State St, Boston, MA 02109



Tour at Greentown Labs

It started as a small community of startups and became the largest clean technology incubator in the United States.

Greentown Labs provides co-located prototyping, office, and event space to serve the needs of cleantech entrepreneurs that need to build physical products while also growing their businesses.

Today, more than 70 cleantech companies comprise the Greentown Labs community, making it the largest clean technology incubator in the United States. These startups are building and commercializing breakthrough solutions for renewable power generation, sustainable transportation, energy efficiency, battery storage, industrial waste recycling, water conservation and more.



Greentown Labs is proud to host more than 10,000 visitors from around the world every year. The 90-minute tour provides visitors with an introductory presentation about Greentown Labs and our members, a guided tour through our Global Center for Cleantech Innovation 40,000 sq. ft. lab.

When: Sep 18, 8:00 – 11:00 PM |

Location: Greentown Labs, 444 Somerville Ave, Somerville, MA 02143

Building Climate Neutral Cities

An International Outlook

The Workshop in the morning of 18th of September will promote a discussion between cities, city-related organizations, universities and companies about the application of smart and sustainable solutions. Registration and updated agenda can be seen here:

<http://showcase.cleantechscandinavia.com/boston/smart-city-workshop/>

8.00 – 8.30

Welcoming coffee & Networking

8.30 – 8.45

Keynote: “A smart city is not a destination; it is a process”

Michael Lake, CEO Leading Cities

8.45 – 9.00

Keynote: Building Coalition - on innovation in energy-grid integrated buildings

Dr. Sarah Slaughther, CEO and President, Built Environment Coalition

9.00 – 10.00

City Presentations and panel discussion with the cities of **Lund (Sweden), Rotterdam (The Netherlands), Somerville and Cambridge.**

- Susanne Rasmussen, Director of the Environmental and Transportation Planning Division of Cambridge, Massachusetts, USA
- Per Persson, Chairman of the steering committee & Business Manager Lunds Kommun, Sweden
- Bart Steman, representing Rotterdam, The Netherlands
- Joseph A. Curtatone, Mayor of Somerville

10.00 – 10.30

Discussion

Speakers & Panelists



Michael Lake is the President and CEO of Leading Cities, headquartered in Boston, Massachusetts and with operations in 10 countries around the world. As President and CEO, Michael establishes and develops relationships with municipal governments, businesses and universities around the world, creating a global network of partner cities dedicated to implementing Smart City solutions that improve the quality of life in cities. Leading Cities provides tools and programming for smart city leaders and facilitates the sharing of best practices within the industry. Michael’s career in public service spans from serving three United States Presidents as Special Assistant for White House Operations and Presidential Advance to serving the former Prime Minister of Ireland as a policy research analyst.



Dr. Sarah Slaughther is the founder and CEO/President of the Built Environment Coalition, a research and education nonprofit (501c3) focused on community sustainability and resilience. Her curriculum has numerous and decisive experiences at MIT Department of Urban Studies and Planning, MIT Energy Initiative (MITEI), Sustainability Initiative in the MIT Sloan School of Management, MIT Department of Civil and Environmental Engineering as well as at Lehigh University. She currently advises several federal agencies on strategies for improving resilience, as well as the US General Services Administration’s Green Building Advisory Committee (GBAC), and the Board of Directors for the Charles River Watershed Association. She previously served on the National Research Council Committee on Sustainable Critical Infrastructure Systems, and additional national and international advisory committees.

Site Visits



Visit to Suffolk Downs Project

The HYM Investment Group acquired Suffolk Downs for \$155 million in May 2017 and proposes to construct active uses including residences, retail, office and lab space, hotel space and accessory parking. Mixed use project, project approved but construction not started yet.

Developer: HYM Investment Group

Architect: CBT Architects

Landscape Architect: Stoss Landscape Urbanism

Engineer: VHB

<https://www.bldup.com/projects/suffolk-downs>

When: Sep 18, 08:30 – 09:50 | **Location:** 525

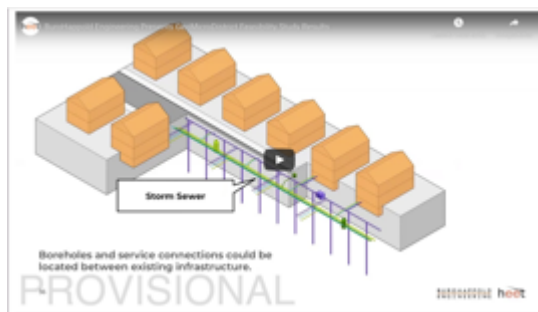
William F McClellan Highway, Boston, MA 02128

GeoMicroDistrict Project

Introduction to HEET's recent GeoMicroDistrict feasibility study, focusing on their model and strategic approach to affecting the energy transition (off natural gas) at municipal and state levels and specific technology solutions.

<https://heetma.org/energy-shift/geomicrodistrict-feasibility-study/>

When: Sep 18, 10:15 – 11:15 | **Location:** Greentown Labs (TBC)



Planning Roundtable

This event is an opportunity to engage with municipal and community development and planning agencies in dynamic and open discussion. Delegates will meet with representatives from government and civil society organizations to gain insight into and exchange perspectives on how to identify local communities' sustainable development and building priorities and most effectively work with diverse stakeholders.. Representatives from the Boston Planning and Development Agency (BPDA), Boston Housing Authority (BHA), City of Somerville, City of Cambridge, Metro Area Planning Council (MAPC), A Better City, and more may lead the discussion. Lunch will be served.

When: Sep 20, 12.00 – 13.30 | **Location:** Boston Society of Architects, 290 Congress St Suite 200, Boston, MA 02210

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Cleantech Showcase

Right after the Smart City Workshop, the day will continue with a Showcase event, when industry, investors and startups from The Netherlands and The Nordics will meet with Boston area stakeholders and present their top-notch innovations. It is expected a public of 75 to 100 people from the North American ecosystem and participation is by invitation only. You are welcome to join us in that event and to find out more and register, please visit the page:

<http://showcase.cleantechscandinavia.com/boston/>

11.30 – 11.45

Introduction by Organizing Partners

- Magnus Agerström, Managing Director, Cleantech Scandinavia
- Anne de Vries, Project Manager, Innovation Quarter
- Mark Vasu, Executive Vice President, Greentown Labs

11.45 – 12.00

Building Climate and Energy Solutions in the Massachusetts Innovation Economy

Ariel Horowitz, Director of Technology Development, MassCEC

12.00 – 12.10

Innovation, Industrial Dynamics and Structural Transformation in Boston

Dr. Val Livada, Advisor at MassRobotics, CEN Founder, Lecturer and Associate at MIT Materials Research Lab & MIT Sloan Management, School

12.10 – 12.50

Company presentations

- Niklas Winter, CEO, Swedish Neutral
- Maria Malm Skarin, Senior Innovation Manager, Ectogrid
- Brian Schmitt – Project Development Manager, MetroPolder
- Renee Wansdronk, Architect, Wansdronk Architecten BV

Cleantech experts and investors

- Sven Harmsen, Director of External Ventures, Saint-Gobain NOVA
- Bernhard Lupien, General Partner, Rhapsody VP
- Luca Seletto, Head of Innovation Hub Boston, Enel

12.50 – 13.40

Networking Lunch

13.40 – 14.05

US Sustainable energy development and Corporate VC engagement

Kristian Bodek, Director Corporate Venture Capital, National Grid Partners

14.05 – 14.20

First Steps in Corporate Innovation in Cambridge

Keynote speaker: Mark Shu
Innovation Director, Danfoss

14.20 – 15.10

Company presentations

- Oliver Moorhouse, President, Brainlit
- Alexander Lidgren, Partner, Elonroad
- Mats Didriksson, CEO, Dlaboratory
- Philippe Pepin, CEO, TeraLoop
- Roeland van Delden, CEO, Leadax

Cleantech experts and investors

- Benjamin E. Gaddy, Director of Investments, CTO at Clean Energy Trust
- Earl Jones, Partner at Liberation Capital
- Stanley Sakai, CEO of EMS Capital Management

15.10 – 15.40

Networking & Coffee

15.40 – 16.00

Investment landscape in the sector in US vs. EU

Jan-Hein Lakeman

Executive Managing Director USA at EDGE Technologies

16.00 – 16.50

Company Presentations

- Mathias Hökfelt, Managing Partner, Unimi
- Ruud van den Bosch, Technical Sales Manager, Ecovat
- Remi Lóren, Sales & Business Development, Marketing, Ekolution
- Rombout Swanborn, CEO, HyET Solar

Cleantech Experts and Investors

- Natalia Ruiz Saez - Investment Manager at Repsol Corporate Venturing
- Dan Doble, Senior technology manager, SABIC Ventures
- Jeffrey Clark, Managing Partner at Energy Innovation Capital

17.00

Networking Reception

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Meet the Buyer

At the same time of the Horizon19 conference (either at the same location, or close by), you can participate in our Meet-the-Buyer event. The Meet-the-Buyer event will give you the chance to have targeted **one-on-one meetings with key decision makers of globally leading companies in the field of Energy Systems & Sustainable Building**, such as Saint Gobain and Repsol. By establishing valuable collaborations and discussing business partnerships, this event can boost your company's growth in the US. Participating corporates put together a 'buyer profile' in which they publish a technology request. Mission participants are requested to put together a 'seller profile' when applying. One-on-one meetings are set up only if both parties agree.

When: Sep 19, pre-scheduled meetings | **Location:** Renaissance Boston Waterfront Hotel, 606 Congress St, Boston, MA 02210

Horizon 19

It is the 2nd annual international summit to advance the global clean economy, which gathers 20,000 participants from all over the world, sponsored by the Massachusetts Clean Energy Center (MassCEC).

The two-day Horizon19 Summit will leverage the valuable business leadership and innovation expertise of leading energy business organizations in the Northeastern United States with the international experience of World Climate Ltd., which has worked within stakeholder engagement, large-scale collaborations, and developing the business of climate change for almost a decade.

To check what is in the agenda on September 19th, please visit:
<https://horizon19.org/horizon-19-conference-program/>

Pitch Arena at Horizon19

Pitch your initiatives to the Horizon19 audience, consisting of buyers, investors and collaborators. Horizon19 provides a unique business-to-passion platform to present your clean economy solutions to a global audience of customers, investors, industry experts, and media.



- Where Climate Goals Translate Into Solutions, Innovations, Investments, and Partnerships -

The Pitch Arena invites innovators, startups, government and city representatives, think tanks, financiers, and others to present their innovative ideas at Horizon19.

This year's pitch arena will be located at the center of the networking and catering space, which will give it maximum visibility and scope of reach. There will be only one pitch arena and pitches will occur throughout the event.

Pitches will be 7-10 minutes in length with 5 minutes allocated for questions.

About Horizon

Horizon was established by NECEC, MassCEC, and World Climate Ltd, in order to create a platform that brings together key stakeholders in Boston, USA and around the world for partnerships that accelerate clean economy solutions. Horizon builds on NECEC and MassCEC's expertise in the American clean energy market, as well as World Climate Ltd's decade-long experience in accelerating the low-carbon and resource efficient marketplace through large-scale partnerships and global events.

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Magnus Agerström

Magnus Agerström is the Chairman of the Board of Cleantech Scandinavia, which he co-founded in 2007. With more than 70 investors and industry companies from around the world in a membership network, Cleantech Scandinavia has become one of the most influential actors in the Nordic cleantech space. Before he co-founded Cleantech Scandinavia he co-founded sustainability consultant/software company, Natlikan Sustainability AB, where he was Managing Director for many years and from which he made a successful exit in 2011. Magnus holds a bachelor of Business Administration and has a passion for Environmental Economics. He is convinced that the way we use our economic system will have to be reformed in order for us to solve the big sustainability challenges ahead.

Anne de Vries

At InnovationQuarter, the regional development agency for the Rotterdam-The Hague Area, Anne de Vries supports Dutch cleantech companies in their internationalization efforts. With a background in international business development, trade promotion, and the energy sector, she greatly believes international collaboration and partnerships are of paramount importance in enabling technological innovation for a cleaner and sustainable future. InnovationQuarter plays a role in this process by organizing trade missions, introducing Dutch companies to foreign partners, and building bridges between the Rotterdam-The Hague cleantech ecosystem and its foreign counterparts.



Mark Vasu

As Executive Vice President, Mark Vasu leads and supports revenue-generating activities that sustain and grow Greentown Labs. He manages a portfolio of (40) corporate sponsors, partnerships with organizations in the cleantech ecosystem, and oversees the member pipeline. He also provides consulting and advisory services to new or growing incubators, and is helping to grow a national network of incubators.

Prior to Greentown Labs, Mark was the founder of perCent Inc., also founded and led CMV Marketing, VP Marketing for ChildrenFirst; and Jumpstart. Mark was also on the founding steering committee, and co-chaired the Boston Cleanweb Hackathon (2012, 2013, 2014). He has served on the Board of uAspire, a Boston based education non-profit from 2007 – 2015.

Mark holds a BA Economics from Duke University and began his career as a technology lender at a commercial bank.

**Ariel Horowitz**

Ariel Horowitz is an expert in energy technologies, policies, and markets. As Director of Technology Development at MassCEC, Ariel oversees much of MassCEC's work supporting commercialization of new energy innovations by researchers and early-stage companies. Ariel also directs MassCEC's market development work related to resiliency, energy storage, and clean transportation. Ariel joined MassCEC from Synapse Energy Economics, where she provided expert witnessing services and analytical support to clients including US EPA and state regulators. Ariel holds a PhD in Chemical Engineering from Tufts University and a Bachelor's of Science in Engineering from Swarthmore College.

Benjamin E. Gaddy

Ben Gaddy is the Chief Technology Officer and Director of Investments at Clean Energy Trust where he invests in the most promising cleantech companies from across the Midwest and has held roles as a board observer for nine startups. He holds a PhD in Materials Science from North Carolina State University and an MBA from the University of Chicago Booth School of Business. Dr. Gaddy previously worked at the US Patent and Trademark Office and held a AAAS Science and Technology Policy Fellowship focused on Impact Investing at the US Department of Energy.

**Sven Harmsen**

Located in the Boston area, Sven leads Saint-Gobain NOVA's North America team and is responsible to drive NOVA's broader growth strategy as well as the company's strategy around engaging and investing in startups and their relationships with Saint-Gobain businesses.

Prior to joining Saint-Gobain NOVA, Sven served as Investment Director at M Ventures, the global corporate venture arm of Merck KGaA, Darmstadt, Germany. From M Ventures' office in Cambridge, Mass., he established and led a global investment team focusing on strategic investments in the field of performance materials and built an international portfolio of strategic investments. Sven entered the CVC world while working at BASF. For BASF Venture Capital (BVC) he opened their first office on the U.S. East Coast. During his time in strategic venture units, he covered the whole investment process from identifying relevant investment targets all the way to serving on the Board of Directors at some of the portfolio companies.

Sven holds a Ph.D. in Natural Sciences with a focus on chemistry from the Julius-Maximilians-University of Wuerzburg in Germany. Subsequently he worked as a Postdoc at Stanford University.



Bernard Lupien

Bernard Lupien is General Partner at Rhapsody Venture Partners. Previously to Rhapsody, Bernard led the commercial group at LiquiGlide, an MIT spin-out company bringing to market novel coatings that allow sticky things to slide in magical ways. Prior, Bernard headed corporate development, sales and marketing at TIAX, a Boston-based developer of clean energy technologies with a focus in energy storage and building systems. Bernard was a founding member of CAMX Power, a developer and manufacturer of lithium-ion battery materials. Earlier in his career Bernard worked at Fisher Scientific in M&A, and in leadership sales roles in robotics and automation. Bernard earned an MBA from MIT Sloan, where he was awarded the Patrick McGovern Award for contribution to the Institute and also holds a degree in chemistry from McGill University.



Earl Jones

Earl is a Partner at Liberation Capital, a Private Equity fund that provides project finance for modular, repeatable and decentralized CleanTech infrastructure. Liberation Capital’s investment focus includes renewable energy, water, waste water, and resource recover through waste-to-value applications. Prior to Liberation Capital, Earl was a Senior Executive at the General Electric Company and served in several company leadership roles. Prior to joining GE, Earl was a Partner and CFO of a Boston-based Strategy Consulting firm, is a co-founder and Chairman Emeritus for the New England Water Innovation Network, Advisory Board Member at the Worcester Polytechnic Institute, a guest lecturer on Leadership at MIT’s Sloan School of Management, and serves on the Board of several water and energy firms.



Kristian Bodek

Director Corporate Venture Capital, National Grid Partners
Kristian Bodek is Director of Corporate Venture Capital, NGP. He is responsible for sourcing and deriving strategic and financial value from investments in external venture capital funds, including Energy Impact Partners, Jerusalem Venture Partners and IQ Capital. Previously, Kristian was a senior member of the power practice at IHS Markit, a research and advisory firm. He led techno-economic, market fundamentals and policy analyses on a range of topics spanning generating technology cost and performance to electricity demand forecasting. While at IHS Markit he also developed and chaired the CERAWEEK Energy Innovation Pioneers program, a platform for introducing established companies to innovative startup companies working across the energy value chain. Kristian holds a BS in Physics from Bates College and MS degrees in Mechanical Engineering and Technology & Policy from MIT.

**Mark Shu**

Since late 2018, Mark has served as Innovation Director to launch The Danfoss Innovation Accelerator and establish the corporation's presence in Cambridge, MA. Mark joined the greater Boston innovation community in 2012 directing development and commercialization strategy for clean energy start-ups. Prior to Boston, Mark led technology strategy at GE Renewable Energy where he established corporate innovation practices and directed internal R&D, equity investments and acquisitions. His tenure includes venture development in Asia, investment management and aerospace R&D.

Mark holds doctorate and master's degrees in mechanical engineering from Washington University in St. Louis, is a recipient of The McDonnell Douglas Advanced Research Fellowship and earned a bachelor's degree in mechanical engineering from Missouri University of Science and Technology. He is active in MIT's Materials Research Laboratory Corporate Innovation Workshop, the Corporate Entrepreneurship Network and MIT's Deshpande Center for Technological Innovation.

Stanley Sakai

Stan Sakai is CEO of EMS Capital Management, a firm focused on VC and high-yield project fund management in clean technologies on behalf of institutional and family office investors. The firm was formed in 2017 on the belief that technology development, global markets and public demand was ushering in an era of high returns in clean-tech investments and that a revised model for venture capital was needed for monetizing returns in the sector. EMS currently co-manages the TUS Green Innovation Fund which invests in clean technology companies in globally in partnership with the Tsinghua University Science Parks.

**Natalia Ruiz Saez**

Natalia studied Industrial Engineering at the Bilbao School of Engineering (Spain). She completed a Master of Science at the French Petroleum Institute (IFP) in the program "Engines and Applications of Petroleum Products".

She began her professional career as a process engineer at the Petronor refinery (Bilbao, Spain). After four years, she moved to Madrid to work in the Planning and Development department of the refining business. Subsequently, she went to the Repsol Corporation and has always held various positions in the field of Planning and Management Control. Attracted by entrepreneurship, two years ago, she joined the Corporate Ventures Department of Repsol as an Investment Manager in the "Advanced Materials and Differentiated Products" discipline.





Jan-Hein Lakeman

Jan-Hein Lakeman (1980) is the Executive Managing Director of EDGE Technologies USA. In 2016 he spearheaded EDGE’s rst deal in the US – the retro t of the 325,000 sqf Unilever North American Headquarters. Jan-Hein is a company raised EDGE veteran, serving in various commercial roles and international management positions during his 14-year employment with the company. Prior to his US role Lakeman was a member of the Dutch management team. Currently, he’s building a team that endeavours to push positive, social and environmental change in the US by marshalling innovation, technology and sustainable building practices with constant care for the environment. He received a BSc. in Business Administration from the Rotterdam School of Management, is married, has a daughter and son, and enjoys running marathons.

Dan Doble is senior technology manager at SABIC Ventures. He is responsible for identifying new opportunities for strategic investment in start-up companies, and building development plans that enable partnerships with mutually beneficial goals. Prior to joining SABIC 5 years ago, Dan was Director of Solar Energy at Fraunhofer CSE for 4 years, where he established a team and laboratory which engaged in contract R&D on photovoltaic modules for industrial customers. Previously Dan worked at Evergreen Solar (2 years), and Lam Research (6 years, formerly Novellus Systems) in various technical project management roles. Dan received an MA from University of Cambridge, UK in natural sciences, a PhD from University of Nottingham, UK in chemistry, and was a post-doctoral fellow for 2 years at UC Berkeley in chemistry.



Dan Doble



Jeffrey Clark

Jeff has more than 25 years of experience as a management consultant focused on business strategy and financial analytics to support the creation of client shareholder value within the energy, utility, wireless and technology industries. He was the founding partner and served as the CEO of Veracity Innovation, a joint venture with the Gas Technology Institute commercializing natural gas-related technologies. Jeff holds an MBA with a Specialization in Finance with Honors from The University of Chicago, Booth GSB and a B.A. in Economics with Distinction and Phi Beta Kappa from Whitman College.

**Dr. Val Livada**

Dr. Val Livada has been an active member of the MIT/Boston innovation ecosystem for over 35 years. He has consulted on issues of technology and strategy with Global 300 companies, and on entrepreneurship with startups, universities and regional entities around the world.

Dr. Livada is the founder of the Corporate Entrepreneurship Network and sits on the Board of Directors of the AutoHarvest Foundation, the Built Environment Coalition, Aphios Corporation and Polynva Composites. He participated on the Board of Advisers of United Technologies Innovation Council, the Building Global Innovators accelerator in Portugal, Greentown Labs, MassRobotics Accelerator, ENRICH East Coast Centre and numerous startups. Dr. Livada has been a Visiting Lecturer, Research Associate and Senior Lecturer at MIT and has taught the “Corporate Entrepreneurship” course at MIT Sloan School of Management. He has participated in grant/award selection committees for the Massachusetts’ Technology Transfer Center, Harvard University, Northeastern University, the US Dept of State’s Global Innovation through Science and Technology initiative and National Science Foundation.

Luca Seletto

Luca Seletto is the manager of the Enel Innovation Hub in Boston. As Hub manager, he is in charge of technological scouting for all the different divisions of the Enel Group. He joined Enel in 2013, working in the incubator launched by the power company and managing an acceleration program funded by the European Commission that supported more than 40 startups in a 2 years period. Later, he developed the network of Innovation Hubs that are currently located in Israel, San Francisco, Europe, South America and that allow Enel to be in touch with the different innovation ecosystems. Before moving to his current position, he was in charge of the supervision of all the collaborations between Enel and startups. Luca holds a MSc in Business Administration from University of Rome, Tor Vergata.





dLaboratory offers a unique concept for digitalizing the primary substation that provides a safe, secure and cost-effective electricity supply. The concept consists of four parts; high quality recording of incidents/disturbances in the grid, where the smallest deviation is registered. Unique patented automatic analysis in the cloud of all disturbances/incidents in the power grid with a patented method. Immediate presentation of analysis results in a graphical web interface that enables the customer to fix beginning faults before an interruption occurs. Finally a correct and safe fault disconnection, including complex intermittent ground faults. The dLaboratory solution can be applied at all primary sub stations in the power grid. The system gives the energy company less down time, lower costs for operation and maintenance, a safer power grid and more satisfied customers. One pro-active avoidance of an interruption will pay back the system costs. The target customers are the energy companies that owns a distribution power grid, DSO:s. Swedish patent is granted for relay protection algorithms and European patent is applied.

<https://www.dlaboratory.com/>



Teraloop is a grid-scale energy storage system that can provide a future alternative to batteries. Their patented flywheel system is a highly scalable, sustainable and location-agnostic grid-scale energy storage system. The system which can be installed anywhere and can operate underground, is suitable for a range of applications including micro grid use, voltage support, frequency regulation, peak shavings, spinning reserve, load following, arbitrage, transmission & distribution (T&D) upgrade deferral and congestion relief. It will provide an effective solution to many medium to large scale storage applications whilst also helping to reduce the problems of grid congestion and volatility arising from high levels of variable renewable sources in the energy mix.

www.teraloop.org



Swedish Neutral has developed and patented the “Ground Fault Neutralizer” (GFN), which finally allows to secure economical, condition-based maintenance of a power grid. GFN hardens, secures and manages the grid not only preventing future wild fires, but allows utilities with the ability to eliminate the danger of fault lines, showing where the network weakness is in real time and with great precision allowing for faster maintenance and network recovery with 50% fewer outages. In fact, the GFN is the only system powerful enough to prevent fires caused by power lines. Other measures create other risks or are costlier and have longer implementation times. Fires caused by power lines have caused many fatalities and enormous financial losses as well as huge release of CO2. Most of those losses could be avoided with the GFN implemented in the power system. Extensive testing done in Victoria, Australia indicated that the GFN reduces the risk of fires caused by power lines by at least 10 times.

<http://www.swedishneutral.se/>



Ekolution is an innovative BuildTech company that focuses on the implementation and development of fossil-free building technology and with our renewable bio-composite materials we offer carbon-negative, energy-efficient and non-toxic buildings. Ekolution's unique position in the market in Sweden is right at the time when we are challenging the construction industry with products such as building insulation of hemp fiber insulation and our prefabricated system of hemp lime panels.

Environmental awareness and a healthy liver are something that permeates our everyday lives. Ekolution therefore strives for a positive environmental impact and a goal higher than zero-carbon footprint. We want to offer our customers environmentally friendly, healthy, energy-efficient design solutions and drive sustainable urban development.

<https://www.ekolution.se/>



Ecovat is a scale-up from the Netherlands with an innovation energy storage solution, namely the Ecovat. The Ecovat is a thermal energy storage system for large scale district heating systems. It is a big, well insulated, storage tank for storing heat (and cold) for 1,000 to 40,000 households per tank. The tank is filled with water and can be heated up to 95 degrees Celsius (203 F). District heating systems need storage to match the supply of (renewable) energy and the heat demand. Storage can also be used to optimize production capacity and grid capacity. The heat is stored efficiently, with only 10% loss of heat over six months. The tank can be built completely underground and near buildings. There is no visual impact and public space in the city can still be used, for example for parking or a park.

<https://www.ecovat.eu/>



BrainLit's BioCentric Lighting™ environments reproduce the natural light that we would be exposed to when outdoors on an optimal day. In our healthy light environments, both wellbeing and efficiency increases. We focus on the four necessary dimensions of Intensity, Direction, Length, and Time to provide true circadian lighting, sustaining the natural rhythm of life. BrainLit's light environments are under constant development and are created in cooperation with our scientific advisory board. This allows our systems to align with the latest technological and medicinal research. Updated research in light is continually integrated into our BioCentric Lighting™ systems, allowing BrainLit to become a world leader in light environment solutions for human wellbeing.

www.brainlit.se



Founded in 2015, we are a forward-thinking team that creates smart data validation and design automation solutions because we believe the building design process needs to be simplified and optimized. Our clients play an active role in tailoring the features of our solution. Hand in hand, we work hard on enriching design solutions for AEC professionals.

www.xinaps.com



Developed an electric road and a charging infrastructure for electric vehicles which charges electric vehicles both when parked and while driving with an effect of up to 150kW. A pickup under the vehicle connects to a conductive rail laid on top of the road, which only becomes active when a vehicle is on top, making it safe in a city environment.

<http://elonroad.com/>



The Polder of the City: Cities are growing and the climate is changing. With this comes heavy precipitation, extreme heat, prolonged drought, and less urban space for solutions. The MetroPolder company revives cities through smart water management, leveraging stored rainwater for cooling, growing, and fostering nature within the city. MetroPolder is a leader in advising, developing, and maintaining smart water storage in cities.

www.metropolder.com



Unimi Solutions manufactures a universal and patented precast concrete foundation for EV charger installations. The Unimi-1base precast foundation can anchor any EV charging station on the market and enables a future proof and effective large scale roll out of EV charging infrastructure. By minimizing the need of additional future ground work, EV infrastructure stakeholders may save more than 50% of their TCO compared to traditional installation methods. Unimi Solutions was founded in 2010 and the Unimi-1base has been used in over 4000 unique EV charger installations in 15 countries.

www.unimi.se



Leadax Innovations is developing and manufacturing circular building & industrial materials from a stream of waste. We create materials with a future, not materials of the future. Therefore we combine groundbreaking R & D with a solid business model and a strong emphasis on sales. In our vision, innovation has to be profitable to be sustainable. Our products are used for flashing and waterproofing such as lead replacements and roofing. It started in 2017 as a result of R & D of the Dutch parent firm Bitufa. Bitufa is a manufacturer of bituminous waterproofing solutions with clients around the globe.

www.leadax.com



The current solar energy market is ruled by the standard glass solar panels. These solar panels are great for certain purposes but they are not perfect. HyET Solar has developed a new kind of solar module that is extremely light weight, fully flexible and has a lower LCOE than glass solar panels. HyET Solar Powerfoil has a significant performance advantage in high temperatures and works even better in tropical climates. The company is currently expanding its production capacity in The Netherlands and is looking to expand its business to the US.

<https://www.hyetsolar.com/>



Wansdronk develops a solar energy, zero-emission and material saving building concept Emporium. A warm water storage container and heat collectors provide the space heating and hot water supply, and a cold water storage container and cool collectors deliver the space cooling and cooling source for the refrigerator. The water circulates without pumps; instead it uses thermosiphon, and therefore requires no high-grade energy such as electricity or fuel. The Emporium concept is characterized as a seasonal heat storage with the smallest exergy loss (low-exergy), and without any energy loss. In this case exergy (applicability or quality of energy) stands for the temperatures which are used in the Emporium system, and which are as close as possible to the demand temperatures (20 °C indoor and 45 °C shower).

<http://wansdronk.com/>



ectogrid™ is a product and a patented technology, powered by and with heritage from the energy company E.ON. The inventor behind ectogrid™ is Ph.D. Per Rosén. Per Rosén is a Technical Specialist at Business Innovation at E.ON.

ectogrid™ takes the best characteristics from heat pumps and cooling machines and combines them with the best characteristics from energy distribution grids (electrical, thermal and gas). The components of the system are the same but they are put together in a new and novel way. The ectogrid™ technology is protected by several patents and is available for licensing.

When combined in this way the performance of each system increases. The heat pumps and the cooling machines can operate against more favorable temperature ranges and the thermal energy distribution becomes more efficient and removes energy losses as well as all traditional large scale production units. Only one thermal grid is needed, but it serves several purposes – thermal distribution for both heating and cooling as well as storage and flexibility.

<http://ectogrid.com/>

Cleantech Scandinavia



Cleantech Scandinavia is the renowned provider and promoter of Nordic and Baltic Cleantech. Our exclusive platform of Nordic cleantech companies offers a unique opportunity for our well-established international network of around 60 members, involving investors, industrials, energy utilities, real estate companies, cities, service providers and the public sector. Cleantech Scandinavia is the trusted source of cleantech-related investment opportunities, business intelligence and investment statistics in the Nordics.

Among our network activities, we organize every year **Cleantech Capital Day**, our main event of the year, where some 250 international investors, VCs, industries and cleantech companies meet over the course of two days to network and do business.

Cleantech Capital Day goes hand in hand with another of our events, **the Nordic Cleantech Open** – a cleantech startup competition that puts the spotlight on the ever-increasing flow of cleantech innovation from the Nordics and Baltics.

During the Nordic Cleantech Open, we gather the best cleantech startups, and then our international jury of investors and corporate VCs evaluate the companies according to their innovation, market potential, and team. In addition to the network activities, we also offer impact assessment, match-making and consultancy services on an individual assignment basis.

Visit our [website](#) for more information or [contact us](#) directly.



InnovationQuarter



InnovationQuarter is the regional economic development agency for West Holland. InnovationQuarter finances innovative and fast-growing companies, assists international companies in establishing their businesses in West Holland, and facilitates (international) collaboration between innovative entrepreneurs, knowledge institutes and government. In this way, and in cooperation with the business community, InnovationQuarter supports the development of West Holland to become one of the most innovative regions in Europe. A real-life testing ground that inspires metropolitan areas across the globe. Collaboration is a condition for us to be able to achieve our (social) goals.

Greentown Labs



Greentown Labs is a community of bold, passionate entrepreneurs creating game-changing energy technologies that transform the way we live, work, and play. Greentown Labs is the largest cleantech incubator in the United States, operating a 33,000 sq. ft. facility that enables entrepreneurs to solve today's biggest energy and environmental problems. Greentown Labs hosts a constant stream of events and programs for the cleantech community and tours more than 5,000 visitors from around the world each year. Its mission is to enable a vibrant community of entrepreneurs to realize their visions by providing access to the space, resources, and funding needed to thrive.

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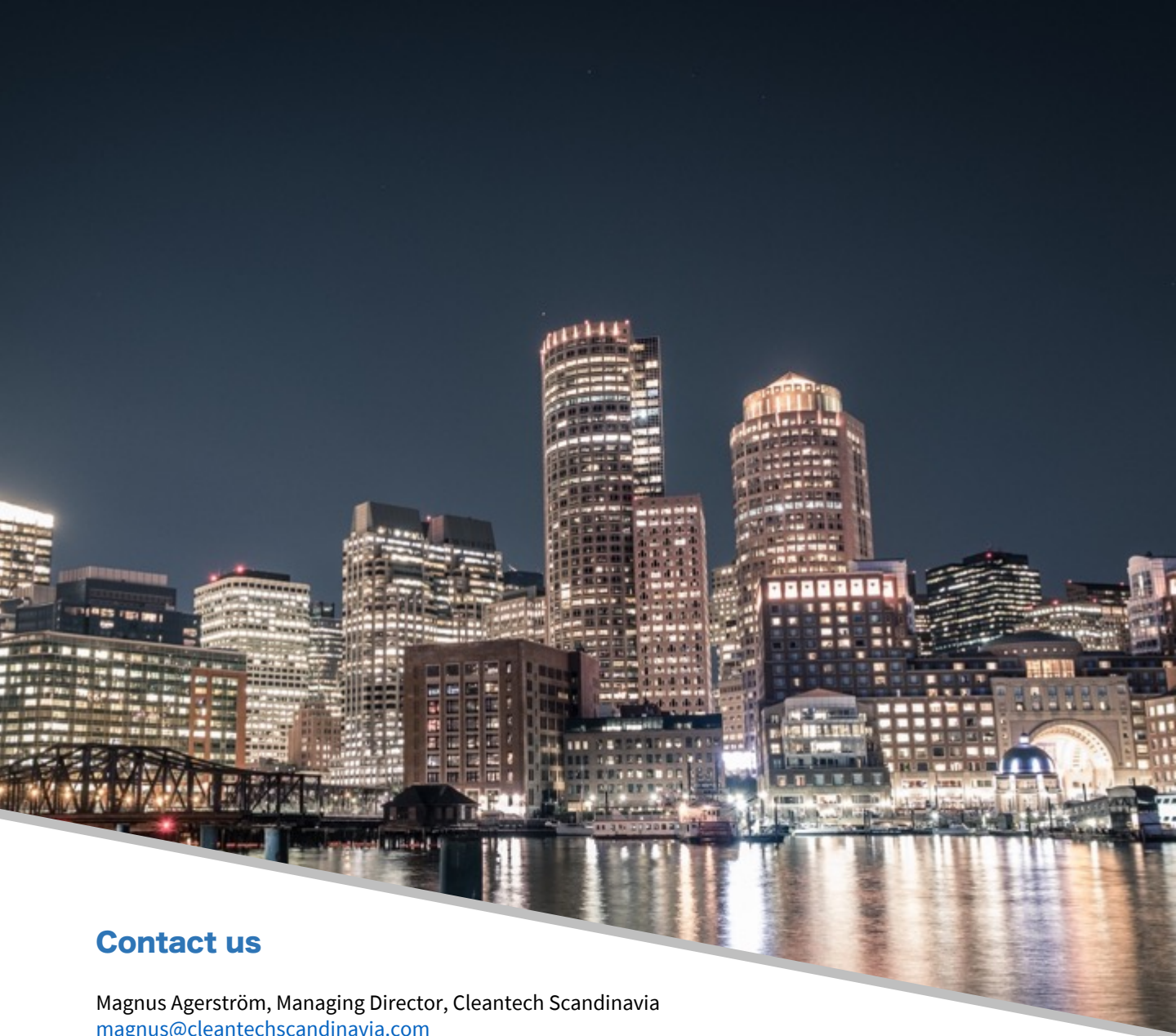
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