



**11:00 a.m. A Powerful & Intelligent Robotic Revolution**

- Rainer Rehn, Chief Compliance Officer, ZenRobotics Ltd.

**11:10 a.m. Panel Discussion**

Panel Moderator: **Thomas Mackie**, Program Co-Chair  
Managing Shareholder, Mackie Shea P.C.

Panel Members:

- George Aronson, CommonWealth Resources Management Corp.
- Simon Chignell, Ørsted Green Waste Solutions
- Debra Darby, Organix Solutions
- Rainer Rehn, ZenRobotics Ltd.
- Craig Stuart-Paul, Fiberight
- Bram van der Drift, Synova Power
- Peter Vinall, Sustane Technologies Inc.

**12:00 p.m. Closing Remarks -- Adjourn - Tom Mackie**

### **PROGRAM CO-CHAIRS**

**Gretchen Carey**, LEED Green Associate, Recycling & Organics Coordinator  
Republic Services  
320A Charger Street, Revere, MA 02151  
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Gretchen Carey has worked in the environmental field for a decade as a volunteer, municipal recycling coordinator, and now the Republic Services Recycling and Organics Coordinator for the state of Massachusetts. Along with training and educating on recycling and diversion, she is helping to build the organics infrastructure in New England. Gretchen is on her second term as Vice President of the Board of Directors for the statewide recycling group, MassRecycle, is a LEED Green Associate, and was recently made a member of the EBC Solid Waste Management Leadership Committee.

**Thomas A. Mackie, Esq.**, Managing Shareholder  
Mackie Shea, P.C.  
20 Park Plaza, Suite 1118, Boston, MA 02116  
617-266-5700 | tam@lawmso.com

Thomas A. Mackie is the Managing Shareholder of Mackie Shea, PC, a Boston environmental law firm. He represents leaders in the environmental industry, including renewable energy facility developers, solid and hazardous waste companies, and cleanup contractors, as well as municipalities on a wide variety of environmental and related business matters.

He is on the Board of Directors of the Environmental Business Council of New England and its Solid Waste Committee as well as the MassDEP Solid Waste Advisory Committee. He also authors the Chapter on Massachusetts Solid Waste Law and Regulation in the MCLE Environmental Law treatise. Mr. Mackie is admitted to practice in Massachusetts and New York.

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## SPEAKERS

**George Aronson**, Principal

Commonwealth Resource Management Corporation (CRMC)  
229 Billings Street, Sharon, MA 02067  
781-784-8835 | garonson@crmcx.com

George Aronson is a principal and co-founder of CommonWealth Resource Management Corporation (CRMC), which has provided project development assistance on solid waste management and alternative energy projects since 1991, and which develops specialized environmental projects through subsidiaries. At the Crapo Hill Landfill in New Bedford, CRMC developed, owns and operates a landfill gas-to-electricity facility and an anaerobic digestion facility producing bio-gas that is co-fired with the landfill gas.

Mr. Aronson has mentored teams of entrepreneurs competing for the MIT Energy Prize, which led to an ongoing relationship municipal officials responsible for solid waste planning for the Tinghu District of Yancheng City in Jiangsu Province in China. Municipal clients of CRMC in New England include the municipal sponsors of the Fiberright facility being developed in Hampden, Maine, as well as the Towns of Bourne, Nantucket, Plymouth and Yarmouth. Mr. Aronson has degrees in mechanical engineering from MIT and in public policy from the Kennedy School at Harvard University.

**Simon Chignell**, Head of Project Development – United States

Ørsted Green Waste Solutions  
One International Place, Suite 2610, Boston, MA 02110  
617-331-0456 | simch@orsted.com

Simon Chignell leads the development of Ørsted's Renaissance recycling technology in the United States. He has worked extensively with the development of this new approach to mixed waste processing in European markets from Ørsted's Copenhagen headquarters since 2014 and relocated to the company's Boston office earlier this year. With the operation of the first commercial-scale Renaissance project in the UK earlier this year, he now leads a team looking at the potential of Renaissance in the United States.

**Debra Darby**, Program & Marketing Director

Organix Solutions  
553 Washington Street, Gloucester, MA 01930  
978-771-8984 | debra.darby@organixsolutions.com

Debra Darby is program and marketing director with Organix Solutions, an organics recovery and municipal solid waste company based in Minnesota. Formerly director of marketing communications with Metabolix, a developer of biopolymers, she holds an MS degree in Work Environment/Cleaner Production from the University of Massachusetts Lowell.

**Rainer Rehn**, Chief Compliance Officer

ZenRobotics Ltd.  
Vilhonkatu 5 A, FI-00100 Helsinki, Finland  
+358 45 259 6161

Rainer Rehn joined ZenRobotics soon after the company was founded in 2007. He has been intimately involved in product development and sales activities since then. Rainer loves waste and wants to ensure that the robotic revolution in recycling takes place all over the world.

Prior to Zen he was involved in product development and global sales of BMH recycling systems, which included most traditional recycling machines, shredders, granulators, pelletizers, screens, optical sorters, balers and dosers, and other devices.

Rainer currently resides in Helsinki Finland.

**Craig Stuart-Paul**, Chief Executive  
Fiberight  
410-340-9387 | craigsp@fiberight.com

Prior to founding Fiberight in 2006, Craig Stuart-Paul has been involved in the science, operations and management of the recycling business for almost two decades, starting with the formation of Resource Recovery of Maryland in 1994. This business focused on processing recycled glass into furnace-ready material for the glass container industry. Mr. Stuart-Paul was an industry pioneer in the use of optical sorting technologies for contaminant removal. In 1996, he formed Fairfax Recycling, Inc, a company that recycled residential materials collected in central Maryland and Northern Virginia. He built Fairfax into a large regional recycling center, processing over 150,000 tons of recycled materials annually before the business was sold to a Fortune 50 company in 2004. Mr. Stuart-Paul then formed Atlantic Recycling Technologies, LLC and Fiberight LLC to develop advanced fiber recovery and alternative fuel technologies. With his specialty expertise, he has also advised design-and-build teams for several large recycling plants in the United States and Europe, that collectively processes over 350,000 tons per year of wastes.

**Bram van der Drift**, Chief Technology Officer  
Synova Power  
Scheldeweg 10, 3144 ES Maassluis, The Netherlands  
+66-92-4404-886 | M +31-610-909-927 | bram@synovapower.com

Bram van der Drift (54) is a chemical engineer and worked for ECN for over 20 years in gasification and gas cleaning of biomass and waste. Bram developed the technologies now licensed to Synova. Three years ago, Bram joined Synova as CTO.

**Peter Vinall**, Co-Founder & President  
Sustane Technologies Inc.  
3700 Kempt Road, Suite 230, Halifax, Nova Scotia B3K 4X8, Canada  
902-932-8871 | peter.vinall@sustanetech.com

Peter is a globally seasoned senior executive with over 35 years of experience in pulp, paper and bio-energy sectors. He started in Australia and has worked from process engineer to CEO in diverse roles across seven countries. Peter's deep engineering roots, formal business training (MBA), business start-up and turnaround experience continue to drive Sustane's growth and development.

#### UPCOMING EBC PROGRAMS

August 9 – Annual Summer Garden Party  
August 16 – Annual Rhode Island Summer Garden Party  
August 23 – Annual Softball Game  
August 28 – Ascending Professionals Learn-to-Golf Clinic  
September 18 – Solid Waste Management Briefing from MassDEP Solid Waste Section Chiefs  
September 25 – Program Series with MassDEP Regional Leadership: Central Region

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