

"Zero Waste with Zero Effort: How robotics, mobile apps, big data analytics and the sharing economy will move us into a new era of recycling (Host: Suez Environnement)

Hear the perspectives of waste management, food retailers, electronics and telecoms representatives on which technological advances and new services will take us from the status quo landfill and incineration practices to a world of reduce and re-use business models. We will aim to chart the future of recycling all along its value chain, and discuss opportunities to dramatically increase the lifecycle of products through new developments in materials recovery and consumer engagement strategies. "

Battle of Zero-emissions Cars: Hydrogen or electric? (Host: Anglo American)

The race for zero-emission vehicles has only just begun. Battery Electric Vehicles has taken an initial lead with OEMs like Tesla, Nissan, BMW, and Renault all having initial production successes. However, we are now seeing the emergence of production-grade Fuel Cell Electric Vehicles auto-OEMs likes of Hyundai, Honda and Toyota. These vehicles provide longer range, shorter refueling times, and utilize a more abundant fuel source than the battery-based counterparts. Will the tide turn in the coming 5-10 years? Join the debate.

How the Construction Business is Going from Dirty to Clean (Host: LafargeHolcim)

Hear from experts in the construction field on the latest solutions to creating more optimized buildings. While cement accounts for roughly 5% of global CO2 emissions, the industry is re-inventing itself through new and efficient processes and partnerships with innovative startups to not only reverse its environmental impact but make improvements to the whole supply chain of building development. We will share some case studies and new possibilities in construction - whether it is a new type of binder that improves the mechanical strength of construction materials, new catalytic processes that removes pollutants from the air, or other methods that can sequester carbon while also improving the insulation and energy efficiency of buildings.

The Shifting Paradigms of Distributed Energy (Host: GE Ventures)

While the integration of solar, energy storage, sensors, and demand response is set to transform the grid as we know it, Utilities and other incumbents are feeling the pressure - and the opportunity - to adapt with the tide of innovation. A more comprehensive set of dynamic solutions, and 'technology as a service' offerings are being developed for commercial and industrial customers wishing to take greater control over their power consumption. We will discuss the implications of future platforms like virtual power plants (VPP)'s among other inventions and business models due to create a more intelligent energy system.

Ensuring Cybersecurity in a Digital Energy System

The energy sector is increasingly becoming a prime target for organized cybersecurity crime. Globally, it is estimated that cybersecurity spending by the oil & gas sector alone will rise to \$1.87 billion by 2018. Cybersecurity also affects both the domestic and commercial sides of the energy grid. With increased levels of domestic adoption of IoT-connected energy devices, utilities are collecting increasing amounts of personal, sensitive data. Furthermore, the emergence of interconnected Virtual Power Plants and grid operations are more susceptible to cyber security attacks. In this session we will discuss how different actors in the energy system are tackling this challenge, and hear from companies providing solutions.

Breathe in the City: “Futureproofing” our Urban Areas (Host: iLab Air Liquide)

By 2050, 70% of the world’s population will be living in cities. Yet air pollution is on the rise, along with reported chronic health problems. This session encompasses a vision of how we are to inhabitate cities and “futureproof” the anticipated increase in urban dwelling. We will discuss and present a range of business models working on innovative air pollution solutions: from prevention, monitoring, mapping, purifying, farming, and even creation of pure air and showcase new technologies and ideas that will change the quality of city living for a projected 6 billion people by 2050.

Where Envirotech and Healthtech Converge: Welcome to the Multi-Comfort Building (Host: Saint Gobain)

How can we improve the environments inside our homes, offices and public spaces? Learn about what scientific studies have revealed about optimum sources of radiation, temperature and air renewal that can increase the comfort, health and wellbeing in 90% of our habitats. What developments in architectural design, building physics and innovative products will significantly improve the bioclimatic and acoustic conditions inside buildings, and how far are we from a multi-comfort reality?

Changing the Lingo From Cleantech to Impact and Energy Access

We will discuss how social, cleantech, and healthtech are becoming ever more interconnected themes for investors