



INNOVOPOLIS

Urban Waste Management Redefined

INTRODCUTION TO INNOVOPOLIS

INNOVOPOLIS LTD.



Powered By

Climate-KIC

Climate-KIC is supported by the
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INNOVOPOLIS

Innovopolis is a European start-up funded and supported at the highest level of innovation of the European Union through the largest public/private partnership for Urban & Climate Change innovation program called Climate KIC (www.climate-kic.org) and has received innovation awards from INSEAD University, Climate Launchpad Switzerland and Innovation Norway and recently was admitted to the Deloitte entrepreneurship and innovation program.

Innovopolis manages the waste of buildings with a unique ZERO Waste Building solution which we design and operate. It is a solution and service that contains waste at the level of individual buildings and functions independently of traditional waste collection and disposal services. As a service provider we manage and handle the waste streams of buildings. By installing and operating clean and digital technology Innovopolis trade recyclables with the open market and convert non-tradeable material waste resources into clean thermal energy on-site with which covers the heating, hot water and cooling based load needs of the property.

Systems Innovation: Our ZERO Waste Building solution is designed to help cities reduce the strain on traditional waste management services by containing the waste generated by the largest waste emitters “buildings” of cities. Zero waste to landfills, less urban waste to manage, less traffic congestion, less cost all contribute to reducing the overall emissions of the waste management value chain and minimize the impact of urban waste on the environment. The two waste management systems (Centralised & Decentralized) support one-another and help cities establish a robust urban waste management grid that easily adapts to the demographic changes and rapid growth of urban areas. Collectively this increases the aggregate efficiency of this vital urban service and ensures the long term sustainable development of cities and the communities that live within them.



Decentralised Energy Recovery: Energy recovery from waste remains the fundamental building block for the sustainable management of urban waste. Using the world’s most compact multi-fuel hot water boiler system, we substitute waste collection with energy recovery at source. Providing an affordable, low temperature (40° – 60 °C), clean energy source that covers the base load of micro grid heating & cooling networks for large buildings or small urban districts. By doing diversify the clean energy mix while minimizing thermal energy losses during distribution and increasing the efficiency and stability of urban energy grids.



Circular Economy: while at the early stages of its development, Circular Economy Models are without a doubt the upcoming mega trend of the waste industry and possibly will deliver the long term solution to a ZERO Waste future. As waste management service provider for buildings, Innovopolis is the commercial link between the source of material waste resources and the open market. Our strategic positioning as a service provider presents both with an opportunity and the responsibility to support and tap into circular economy models as they continue to evolve and grow over time. For this reason we have developed a prosumer, circular economy, e-commerce platform tool which allows us to digitalize the supply chains, incentivise the interaction and collaboration between prosumers and match supply and demand for these material resources. It is this market driven process that through local market partnerships defines which waste streams we divert from energy recovery to



3R's (Repair, Reuse; Recycle). In essence our ZERO Waste Building Solution, operations and service plan is customized and can be adjusted at any time to meet the waste management targets of the both the building and the city as they continue to strive towards a ZERO waste future through the proliferation of circular economy models in our day to day lives.

THE JOURNEY

Since its conception in 2016, Innovopolis and its founders have received financial support, consulting services, coaching & training from leading European private and public institution which are designed to help entrepreneurs develop their business and bring their innovation to the market. These services and supporting packages are part of the awards and prizes Innovopolis has received as a recognized innovator in the field of waste management, Climate Change Impact, Smart City Innovation, and Urban Transition. In total over the past 3 years, Innovopolis has received more than 800 hours in training, mentoring and coaching support, as well as 120 hours of one to one high-level consulting services.

Service Providers	Funding	Coaching	Consulting
Mustard Seed / INSEAD (UK)			3 days
Innovation Norway (NOR + DNK)			2 days
Climate Launchpad (CH)	2'000 Euros	✓	
Greenhouse Incubator (CH)	2'500 Euros	✓	
Climate KIC (EU)	19'000 Euros	26 Weeks	
Climate KIC (EU)	45'000 Euros	26 Weeks	
Deloitte (ARIS) Entrepreneurships Program		26 Weeks	2 weeks
Bootstrapping (2.5 years)	150'000 Euros		

Overview of Supporting Packages

MustardSeed: having won the 1st prize of INSEAD's social impact and innovation competition, the founders were invited to London where they received 2-day training and consulting services from the founders of MustardSeed, a London based VC that supports world-class early-stage businesses. The services were provided to us by Directors Alex Pitt & Henry Wigan with professional backgrounds from Boston Consulting Group and Goldman Sachs.

Innovation Norway: is the Norwegian Government's most important instrument for innovation and is supported by the Norwegian national development bank. Its purpose is to help companies develop their competitive advantage and to enhance innovation. Innovopolis was selected to compete in the Smart City Hall Innovation competition for the Nord Edge Expo which is the largest innovation expo of the Nordics (Denmark, Sweden, Norway, and Finland). Every year the Expo showcases the leading innovations transforming major industries and areas of human development. Supporting Services: Innovopolis won 1st prize and received 2 full days of free Business Model consulting services from Innovation Norway.

Climate Launchpad: is the world's largest & smartest green business ideas competition and is considered as one of the most important initiatives of the European Union for the development of innovations within the field of climate change. Supporting Services: Innovopolis competed in the Swiss finals, received the 2nd prize and represented Switzerland in global finals. We receive prize money of 2'000.- CHF which for external services destined for product and branding development and 2 full day coaching sessions with Dutch serial entrepreneur Frans Nauta.

GreenHouse Incubator: Innovopolis was admitted to the program following a pan-European selection of start-ups. Supported by the ETH Zurich, one of the two leading technical universities of Switzerland

we received Supporting Service: €2500 in funding, professional business coaching from Dr. Christine Grimm who is a lecturer and researcher of Innovation Management & Circular Economy at Lucerne University of Applied Sciences, development of our business model, climate relevance quantification of our solution and access to workspace and infrastructure.

Climate KIC Stage 2: Scope of the stage 2 program is Business Model Validation & First Customers, helping startups develop and validate their business model and target customer acquisition. Innovopolis completed the program in November 2018 and received Supporting Services: 19'000 euros in funding, training with industry experts, coaching and mentoring from serial entrepreneurs and participating in workshops relevant to the business.

Climate KIC Stage 3 admitted to the program in January 2019, only a few start-ups make it into the final stage of the Climate KIC accelerator program. For a start-up to qualify for the final stage of the program it must have tangible proof that its business is commercially viable, proven market demand for its products and services and that the team is able and capable to drive the business onto the market. Supporting Services: up to 45'000 Euros in funding, access, and tap into the Climate KIC network which includes investors, Europe's EuroStoxx50 listed corporates and government agencies and access to market influencers and decisions makers.

Deloitte (ARIS): following a pitching competition in May this year Innovopolis has been admitted to the innovation and entrepreneurship program of Deloitte Cyprus. The purpose of the program is support the successful development of emerging business ideas and accelerate the efforts of entrepreneurs. Over a period of 6 months Innovopolis is offered a complete package of consulting and mentoring services as well as access to the global network of Deloitte in order to fast-track the commercialisation of our solution and our business.

THE TEAM

Our team of entrepreneurs, engineers and business consultants is determined to transform urban waste management and help bring world cities closer to a ZERO Waste, ENERGY Efficient, ZERO Carbon future.

CEO Petros
Entrepreneur



CFO Alex
Economist



COO Philippe
Six Sigma.



CTO Ioannis
PhD Engineer



CMO Lawrence
Marketer



2019 MILESTONES

Our team will continue to receive funding and supporting services from the EU until the end of October 2019. Over the course of this year we are looking to commission our pilot projects in Europe & Asia. In late February, we opened our first round of funding and we are at the early stage of bringing together a small group of influential, international investors that will support our operations and our commercial development.

Over the next 12 months we are looking to identify other possible pilot sites (airports, hotels, corporate HQs, malls or hospitals) Europe and Asia. As part of this process we offer asset owner and operators a free of charge techno-economic feasibility study that will determine the technical feasibility and financial viability of our solution, assess the risks associated with the project and enumerate imminent actions that are required to be taken for its possible implementation. If the asset owner perceives the benefits of the solution we can then agree on a plan of action for the implementation of a pilot.