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# SYMPHONY ENVIRONMENTAL TECHNOLOGIES PLC

("Symphony" or the "Group")

# SYMPHONY'S d2p ANTI-MICROBIAL TECHNOLOGY SET TO PROTECT HUNDREDS OF THOUSANDS OF COMMUTERS IN THE CITY OF GUARULHOS IN BRAZIL

Symphony Environmental Technologies Plc (AIM: SYM), a global specialist in technologies that make plastic smarter is pleased to report that Extrusa Pack, a Brazilian plastic manufacturer and user of Symphony's d<sub>2</sub>w and d<sub>2</sub>p technology, has announced a donation to provide the entire public bus system in the city of Guarulhos (858 vehicles in total), with d<sub>2</sub>p anti-microbial film to cover seats and handles, protecting its 400,000 plus passengers from Coronavirus and multiple bacteria and fungi normally present on these surfaces. The donation was agreed with the City's Mayor who personally visited the factory where the films are made.

In a public statement, Gisele Barbin, Commercial Manager for Extrusa Pack commented: "We wanted to contribute in some way to tackling the pandemic, and as we already manufacture garbage bags with this important antimicrobial technology, we only need to [make minor] adjustments to the factory equipment to produce the protective plastic film. Knowing the priority that Mayor Guti has given to dealing with Coronavirus, we decided to donate and apply the films to the buses. More than 400,000 passengers now have extra protection against infection on public transport."

Michael Laurier, CEO of Symphony, said: "We would like to commend Extrusa Pack for this thoughtful contribution to public health in the city of Guarulhos. We hope other cities in Brazil, Latin America and the rest of the world, will follow the lead of Guarulhos and provide this kind of anti-microbial protection in their public transport systems, protecting passengers from Coronavirus and other dangerous microbes. We at Symphony, will continue to promote the use of our antimicrobial technology to protect human health and the environment in these challenging times."

With this announcement, Guarulhos becomes the first public transport system in the world to incorporate d2p anti-microbial technology to protect the health of its users. This is yet another excellent application of Symphony's technology, which can also be used to protect water pipes and tanks, and all plastic surfaces in, for example, hospitals, restaurants, schools, airports and any other public spaces, as well as private homes.

Symphony's d<sub>2</sub>p antimicrobial additive has been tested by Unicamp University in Brazil proving 99.9% effectiveness in the first hour of contact against fungi, bacteria and viruses, including Coronavirus.

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About Guarulhos: https://www.guarulhos.sp.gov.br/estatisticas-e-geografia

Guarulhos is the second largest municipality in the State of São Paulo and 13th in Brazil in terms of population, with 1,379,182 inhabitants according to an IBGE estimate (July 2019). Located in the Metropolitan Region of São Paulo, the city has an area of 319.19 km<sup>2</sup> and is only 17 km away from the centre of the largest metropolis in Latin America, the city of São Paulo.

## **NOTES TO EDITORS:**

About Symphony Environmental Technologies plc www.symphonyenvironmental.com

Symphony has developed a range of additives, concentrates and master-batches marketed under its d2p® ("designed to protect") trademark, which can be incorporated in a wide variety of plastic and non-plastic products so as to provide protection against many different types of microbes, insects and rodents, and against fire. d2p products also include odour, moisture and ethylene adsorbers as well as other types of food-preserving technologies.

Symphony has launched d2p anti-microbial household gloves and toothbrushes and is developing a range of other d2p finished products for retail sale. See <a href="http://www.d2p.net">www.d2p.net</a>

Symphony has also developed and continues to develop and market, a biodegradable plastic technology which helps tackle the problem of microplastics by turning ordinary plastic at the end of its service-life into biodegradable materials. It is then no longer a plastic and can be bioassimilated in the open environment in a similar way to a leaf. The technology is branded d2w® and appears as a droplet logo on many thousands of tonnes of plastic packaging and other plastic products around the world. In some countries, including Saudi Arabia, Jordan, Bahrain and the UAE oxo-biodegradable plastic is mandatory. See <a href="http://www.d2w.net">www.d2w.net</a>

The Group has complemented its  $d_2w$  biodegradable product range with  $d_2c$  "compostable resins and products" that have been tested to US and EU composting standards.

Symphony has also developed the d2Detector®, a portable device which analyses plastics and detects counterfeit products. This is useful to government officials tasked with enforcing legislation, and Symphony's d2t tagging and tracer technology is available for further security.

Symphony has a diverse and growing customer-base and has established itself as an international business with 74 distributors around the world. Products made with Symphony's plastic technologies are now available in nearly 100 countries and in many different product applications. Symphony itself is accredited to ISO9001 and ISO14001.

Symphony is a leading member of the OPA (www.biodeg.org) and actively participates in the Committee work of the British Standards Institute (BSI), the American Standards Organisation (ASTM), the European Standards Organisation (CEN), and the International Standards Organisation (ISO).

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