

September 20, 2021

## Cycladex Ltd Constructs First U.S. Manufacturing Facility and Introduces New Metal Isolation Technology and Community Gold Mining™ Initiative

London, UK- Cycladex Ltd, developer of an environmentally-clean, safe and effective gold recovery technology, announced today that it has completed construction of its first production facility in the United States.

Cycladex's patented gold recovery process reduces the operating and capital costs for mines by 30-50%: economics that can significantly improve the feasibility of formerly non-viable deposits and smaller mines. Cycladex also announced the development of a new metal isolation technology, which separates contaminants from ore and recycles them into construction materials.

Roger Pettman, Executive Chairman of Cycladex Ltd. said, "We are excited to have completed the construction of our first plant in the United States, with financial and technical support from Cyanco. This facility will support the expanded use of Cycladex technology in the Americas and give mining operators another tool to safely improve mineral recovery. Our new plant, which does not generate any waste or create any harmful emissions, was built with a high multi-ton capacity. We expect to quickly scale that capacity as our presence in the North American market grows."

Cycladex also continues its technology development initiatives and has recently designed a way to isolate not only silver and gold, but to selectively remove the mercury, copper or arsenic present in the original ore or tailings. Application of this new technology will deliver a higher-quality precious metal yield, by isolating commercial quantities of precious metals, while at the same time removing hazardous materials and converting what remains into inert materials.

These mining by-products can be used in the production of bricks, roofing tiles and other construction materials. According to Roger Pettman, these new materials can serve as a cost-efficient and sustainable option in a variety of infrastructure builds. "When you discover a way to make a useable material from the by-products of a manufacturing process – especially when you're turning something hazardous into a sustainable solution – it's a great gain for any industry. The mining industry, especially, is very focused on sustainability, so we feel it's an opportune time to leverage this process and these new materials to the fullest."

Pettman further stated that Cycladex is launching a new Community Gold Mining™ Initiative to facilitate the development of these materials. Cycladex plans to install a mobile brick plant at the end of its production line, with the resulting construction materials made available to local communities for infrastructure such as schools, houses, hospitals etc. The Company also plans to expand and develop a series of artisanal community processing plants.

Enquiries:

Cycladex Ltd.

Roger Pettman, Executive Chairman  
roger.pettman@cycladex.com  
Tel: +1 617 331 1130

Adviser & Broker  
WH Ireland

Adam Pollock  
Tel: +4407703 169 392

## About Cycladex

Formed in 2014 by Dr Roger Pettman and Sir Fraser Stoddart, Cycladex is focused on the commercialisation of selected technologies from Sir Fraser's laboratory at Northwestern University. Key features of the technology are:

- Cycladex has developed a process (patented) which will reduce operating and capital costs by 30-50% with a shorter processing time than that required for the more traditional cyanide route, and using more environmentally friendly chemicals without wastewater or toxic waste issues
- Existing facilities can be modified easily to run the process; a simple switch rather than costly changes.
- Demonstrated on 40 ores sourced from around the world
- Process has been scaled up and technology transferred to large mining operations
- No additional waste-water issues, key chemicals recycled
- Improved process economics may allow formerly uneconomic deposits (tailings and refractory ores) to be brought into production.
- Demonstration and scale-up is currently in progress

Roger Pettman is the Executive Chairman and founder of Cycladex. Previously, he was the founder of Revolymer PLC, Chairman and Chief Executive Officer a company where he raised \$70m taking it public on the AIM market in London. He co-founded ChiRex that listed on NASDAQ for \$147m and was subsequently bought by Rhodia for \$540m. His PhD was with Sir Fraser Stoddart at Sheffield and he has an honorary DSc from the University of Bristol.

Sir Fraser Stoddart, Nobel Laureate, Cycladex Chief Scientific Officer, has had a long and distinguished career and was Knighted by the Queen for his work in nanotechnology. He is Director for the Center for the Chemistry of Integrated Systems at Northwestern University in Chicago and has achieved many awards for his work. He was previously at UCLA and spent his formative years in Sheffield and Birmingham.