

## Cycladex Ltd

("Cycladex", the "Company" or the "Group")

### Cycladex

#### Non-exclusive license signed with "MCME" For Mauritania

London, UK - Cycladex Ltd, the developer of a patented environmentally clean, safe and effective gold recovery process has today announced that it has signed a non-exclusive license with MCME under which it will use its proprietary green technology for the isolation of gold and silver and will receive payments based on production. MCME has started ordering key pieces of manufacturing equipment based on the plant designed and commissioned in Arizona by Cycladex.

Cycladex has developed and patented process for isolating gold and silver, does not use cyanide, reduces operating and capital costs, reduces gold recovery time scales using an estimated 50% less water and helps gold miners avoid land contamination completely.

Commenting today Roger Pettman, Executive Chairman of Cycladex said:

"I am delighted that our technology is now spreading around the world as our demonstration plant has completed commissioning our customers feel very comfortable in the scalability of the technology"

Also commenting, Anil Reddy, Chief Executive Officer of "MCME" said:

"I was delighted to visit the facility in Arizona to see how Cycladex had reduced new technology to a plant which has unit operations we are very familiar with. What is outstanding is the capacity the plant, it can run through on such a small and relatively inexpensive footprint and how little water is used in the process. This technology for us as gold processors represents the future of our industry due to environmental policies that are more and more restrictive to the point of banning cyanide. This is exactly the situation that we faced in Mauritania in 2019 whose environmental ministry and Maaden Mauritania (gold mining ministry) took the leadership to ban the use of cyanide for gold mining sector. We are now in the process of setting up a Cycladex plant (300 to 500 ton per day capacity). After a benchmark of all the non-cyanide technology available we took the decision to go forward using Cycladex technology. This decision has been motivated by the reduced processing time, the limited quantity of water (even more relevant in our desertic climate) and the impressively reduced footprint. I look forward to running the process by the summer. The other plus is the detailed technology transfer documentation the Cycladex Team has put together and their innovative plant design."

#### Enquiries:

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Roger Pettman, Executive Chairman

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### **About Cycladex and its senior management team**

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 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 20 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 at Sheffield and 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 nearly every award for his work including. He was previously at UCLA and spent his formative years in Sheffield and Birmingham.