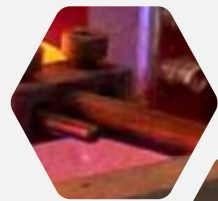




**NEWLOX GOLD**  
A Newlox Gold Ventures  
Company  
CSE: [LUX](#) | Frankfurt: [NGO](#)



**Newlox  
Research &  
Development  
Corp.**



# About Us – Technical Team



**Dr. Marcello Veiga, Chairman**

Dr. Veiga is a professor at the University of British Columbia with over 25 years experience as a metallurgical engineer and environmental geochemist for mining and consulting companies around the world. His research focuses on sustainable and environmentally positive mining initiatives and technologies. Marcello served as the CTA of the UN Global Mercury Project and is the global academic leader in artisanal mining.



**Dr. Omotayo Fadina, Chief Researcher**

Omotayo Fadina is a registered Geoscientist, an Associate Member of the Institute of Environmental Management and Assessment, and a skilled Environmental Scientist. She has gained a wide range of experience in projects developing technical solutions to environmental issues. Omotayo is currently a Postdoctoral Researcher at UBC focused on clean technology for artisanal mining.

# About Us – Management Team



**Ryan Jackson, CEO**

Ryan Jackson is the President and CEO of Newlox Gold, a Canadian publicly listed resource company, and the parent company of Newlox R&D. Ryan is an environmental scientist with experience in the resource industry, at both the technical and executive levels. Ryan was the Canadian Editor for Minesite.com and has extensive contacts in the resource industry.



**Jeffrey Benavides, CFO**

Jeffrey Benavides is the CFO of Newlox Gold and is a practiced public company CFO with over a decade of experience working for multinational public resource companies. Jeffrey is a Chartered Accountant and Software Engineer who is well suited to the role of CFO. His responsibilities include preparation of management accounts, working with auditors, IT systems, and procurement.



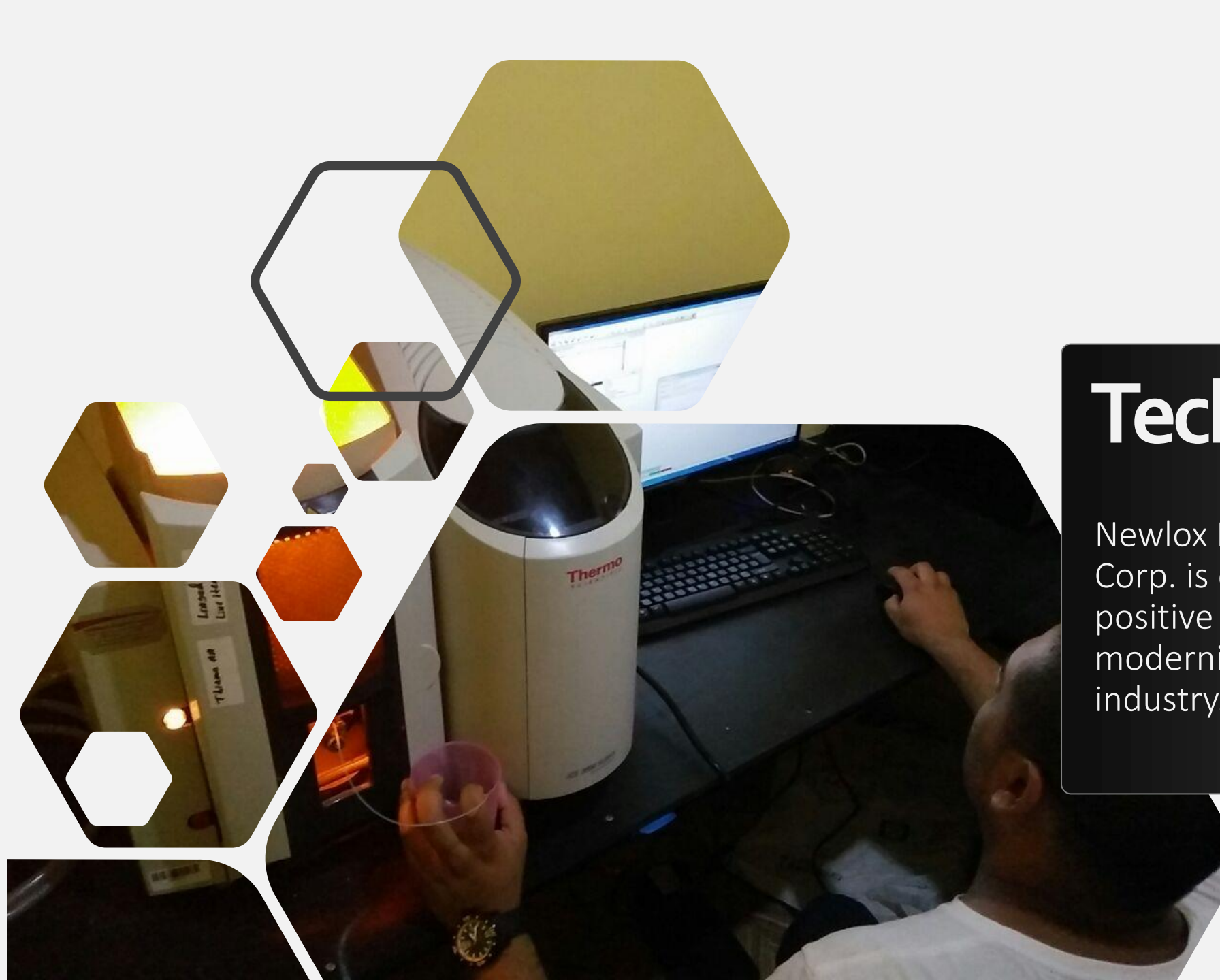
# A Track Record of Innovation

Before formalizing Newlox Gold's R&D program as a subsidiary company, Newlox's researchers have undertaken R&D projects focused on optimizing mine tailings remediation and metals recovery technologies.

## Recent R&D Projects

- Newlox's R&D team, headed by Marcello Veiga, has developed, tested, and deployed a custom-made artisanal tailings reprocessing system. This system was developed through two rounds of R&D undertaken at the NBK Institute of Mining Engineering at UBC with the support of MITACS Grants.
- Newlox, in partnership with the Brazilian Centre for Mineral Technology (CETEM), has designed and tested a novel mercury recovery system designed to remove historical pollution from artisanal mining waste. Bench-scale field testing has been conducted and testing of a commercial-size unit is planned for Winter 2020/2021.





# Technology

Newlox Research & Development Corp. is developing environmentally positive technology designed to modernize the natural resource industry.

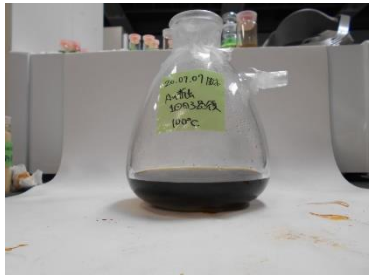
# DMSO Leaching Technology

A non-toxic replacement for cyanide in the mining industry.





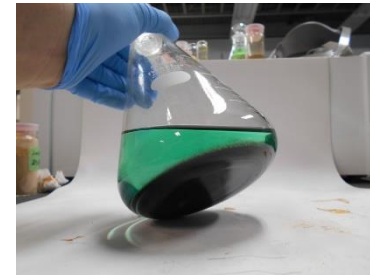
# Successful Stage-1 Testing on High-Grade Gold Ores



Supernatant  
(Supernatant\_1)



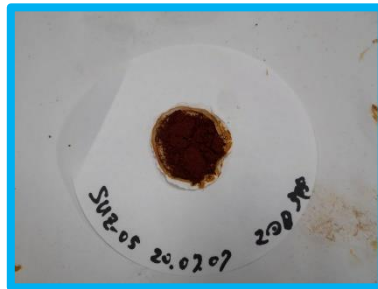
Supernatant  
(Supernatant\_2)



Final recovered  
precipitation



Residue of ore  
(Residue\_1)



Residue after filtration  
(Residue\_2)

Analyzed  
by ICP

## Results:

- Exceeded expectations with over 90% of the gold dissolved from the ore and recovered through precipitation in Stage 1.
- Recovery calculated using ICP-OES technology.

# Features of DMSO Technology

## Paradigm Shifting Technology

- Reduced processing cost
- Increased recovery
- Access to projects in sensitive areas
- Low-Capital systems designed for artisanal mining
- Low-water-use
- Non-toxic
- Increases workplace safety
- Recyclable reagents

## Potential to Secure Intellectual Property

- Possible chemical and process patents
- Limited competition
- First-mover's advantage
- Unique positioning with multi-application processing technologies
- Potential to deploy technology at Newlox projects and joint-ventures.
- Potential to license technology to third parties







# Large Diversified Market

- \$180bn formal gold industry
- \$27bn artisanal and small-scale gold industry
- Rapidly-growing recycling and e-waste industry.





# A Junior Gold Producer with Strong Potential

Profitable Gold Recovery Through  
Environmental Remediation in Costa Rica


CSE: LUX | Frankfurt: NGO





# Thank You

 Newlox R&D Corp.

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