



# NEWSLETTER

Issue 02: H1 2025

**AUGUST, 2025**



## BIG NEWS

- Loop Hydrometallurgy has been **awarded \$1.3 million** in non-dilutive funding from the Federal Government's Cooperative Research Centre Projects (CRC-P) program.
- This grant will strengthen our collaboration with partners, Macquarie University and Brisbane Met Labs to advance the Halion Loop™ technology.
- The project's primary goal is to implement a pilot program for the **breakthrough electrowinning cell**.
- Bringing us closer to commercialisation, the **Halion Loop™ is set to transform the copper industry** by significantly reducing power consumption and carbon emissions. The project will also work on refining our process for co-producing **gold, silver, and rare earths from copper resources**.



This project received grant funding from the Australian Government

## CONFERENCES & VISITS

- May - June saw intense activity and valuable new connections.
- We hosted a stand at Austmine' GRX Brisbane, engaging attendees and industry experts.
- Founder Dave Sammut attended the CDL Global Super Session in Toronto, capping months in the CDL program and meeting mentors, advisors, and investors.
- We visited BBA's Vancouver office, exploring opportunities and holding meetings that laid groundwork for future collaborations.

## OUR TEAM

At Loop Hydrometallurgy, we're passionate about fostering the next generation of scientific and engineering talent. We strongly believe in providing valuable industrial insight and experience to budding professionals.

Over the past year, we've hosted 10 interns, offering them hands-on experience and a glimpse into real-world projects. We're especially thrilled that two of our interns, Julia Mikhailova and Jacqueline Tran have continued with us as casual employees while they complete their studies.

## STRATEGIC ALLIANCES

We are thrilled to announce our second strategic alliance, with the Chilean company Quinta Solar. This collaboration is already delivering incredible progress, opening up exciting opportunities and expanding our reach into South America.



# Scoping study

## REPORT

### AUGUST 2025



We completed multiple scoping studies with strong results. One has already advanced. Client engagement is up, with dozens of new projects, in a growing project opportunity pipeline



### POLYMETALLIC CONCENTRATE, SITE A

Scoping Study: testwork and engineering  
Copper concentrate v/s bulk polymetallic concentrate.



### LOW GRADE CONCENTRATE

Scoping Study: 7.4% Cu, 1.5% Zn, 6.5 g/t Ag  
Copper concentrate v/s bulk polymetallic concentrate.

29 <b>Cu</b> Copper 63.546	82 <b>Pb</b> Lead 207.2	196.97 <b>Au</b> Gold 79 890.0 2.54
47 <b>Ag</b> Silver 107.8682	30 <b>Zn</b> Zinc 65.39	
99% Extraction		95% Extraction

<b>Cu</b>	30 <b>Zn</b> Zinc 65.39	47 <b>Ag</b> Silver 107.8682
98% Extraction	99% Extraction	



**IRR > 75%**

**PAYBACK PERIOD 2 YEARS**



**US 0,12**  
lb copper

**CONCENTRATE TO METAL, AFTER BYPRODUCT CREDITS**



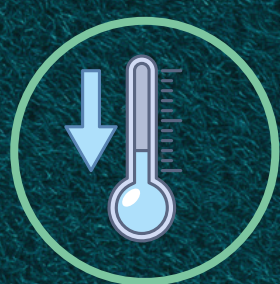
**Atmospheric pressure**



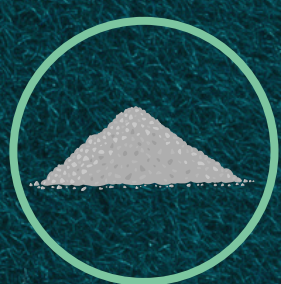
**Uses air**



**On-site production**



**T° < 100°C**



**No fine grinding**



**Environmentally stable residues**