



detectORE™ –Industry Suppliers Sponsor Scheme

10 October 2019



- Many Industry Service Companies should benefit from accelerated testing and development of detectORE, including:
 - Laboratories
 - Equipment manufacturers
 - Consultants / Labour hire companies
 - Drilling companies

Sponsor funds will be applied to:

- accelerate the test work and commercialization, in the direction that PPPB and Active / Pro-Active Sponsors agree.
- leverage government grants.

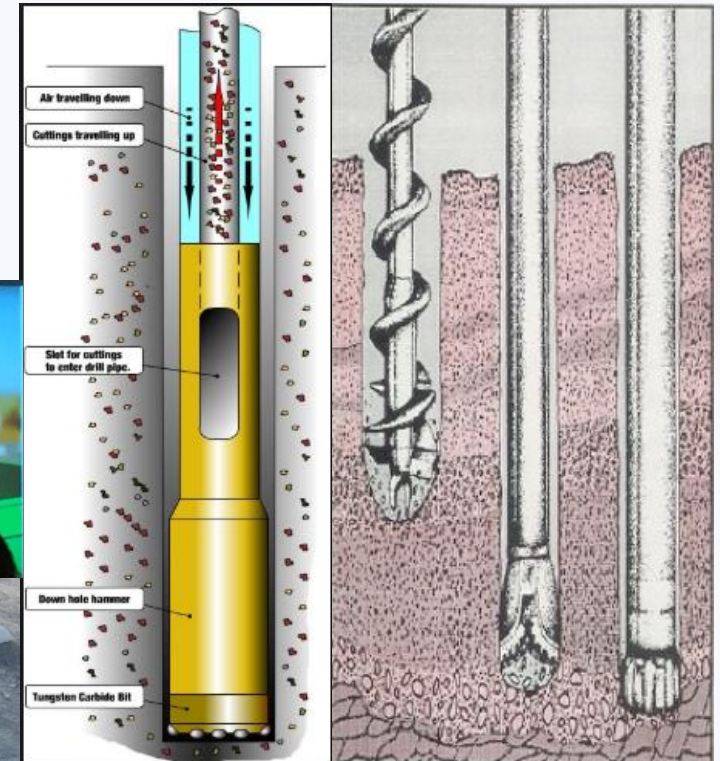
Laboratories – why get involved?

- Could provide a new on-site offering to clients – alternative gold analysis using relatively low cost materials and highly portable hardware
- Add-on service to existing, or new, remote sample preparation labs*
 - Provide initial gold analysis at site, for the first time
 - Help gold explorers reduce discovery times, improve news flow and become more successful
 - Build relationship with explorers to secure long term partnerships with those that advance to become miners (small to perhaps highly significant clients)



- detectORE procedure could be enhanced by new hardware to assist, for example:

- Optimal detectORE sample preparation
 - Size fraction, sample agitation(?), other improvements?
 - Sample recovery (drill materials from RC and DD holes)
 - Create small quality sample subsets
 - Diamond drill muds
 - RC/AC/RAB/drill & blast
- detectORE sample processing
 - Automated processing



- Expanded detectORE applications, especially within high intensity, high density sampling scenarios such as drill and blast and grade control drilling

Labour hire / consulting companies

- Geoservices companies that support the R&D will have an opportunity:
 - to forward plan for the potential new paradigm in gold exploration
 - gain a competitive advantage over companies by seeing the detectORE results during the R&D phase
 - Will know the strength (and any limitations) of the technique ahead of commercial release
 - Could help shape the market in preparation for industry release / uptake (expected end of 2020)
- Opportunity to create new consulting / geoservices market by becoming an accredited detectORE service provider
 - Processing of detectORE samples on site
 - Lease of pXRF / sample prep equipment
 - Planning & running adaptive/reactive sampling programs

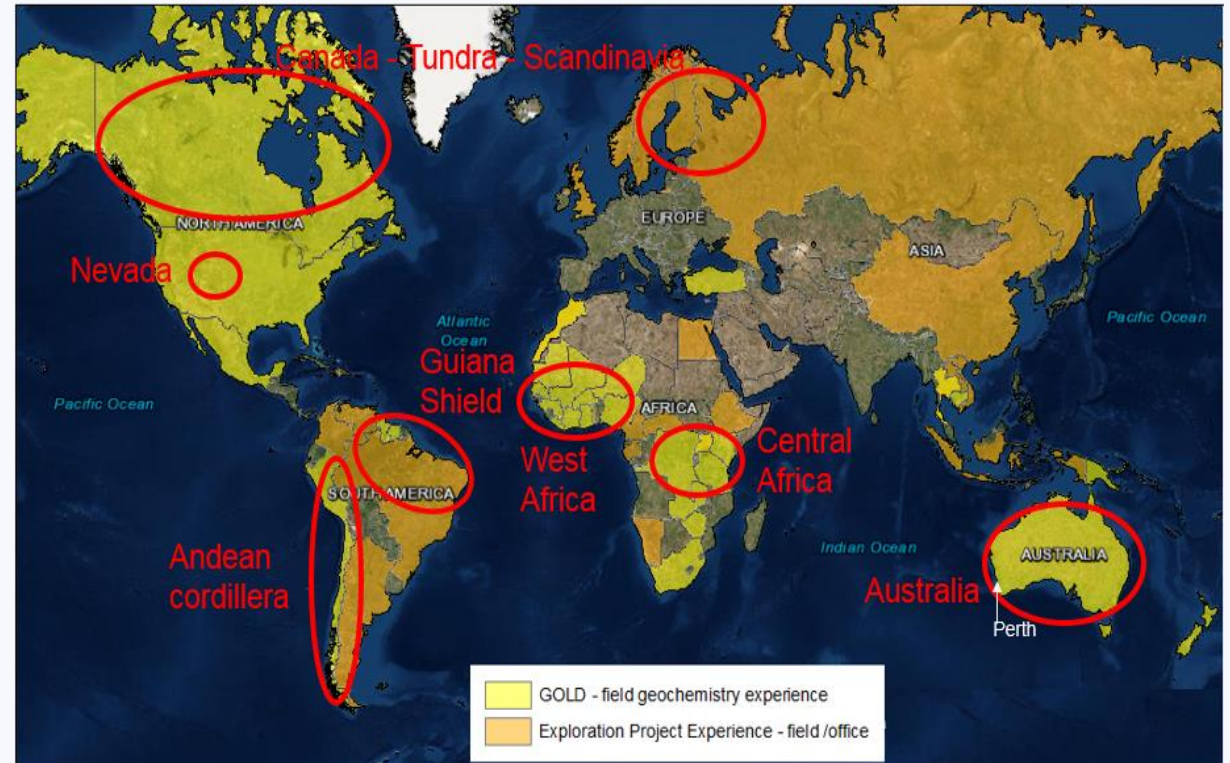
Drilling Companies – why get involved?

- Drill companies can support the R&D to:
 - Fast track completing tests on a range of drill samples
 - Fast track setting up protocols and procedures for drill program use of detectORE
 - Have the earliest opportunity to become an accredited drill company offering detectORE Services
 - Help win drill contracts ahead of those drilling companies who don't (or can't) offer on-site Au analyses
- The faster a mining/exploration company can deliver positive news flow the more money that is likely to be released / raised for further drilling
 - Expected to reduce drill rig mobilization / demobilisation cycles
 - Increase meters drilled per annum with less time spent moving between projects / prospects
 - Increased chance to set-up a drilling base and spend less time chasing work while explorers wait for assays

Other service industry and regions?

The foregoing is not comprehensive, but does cover:

- many of the most actively explored gold provinces around the globe
- Service provider groups or industries that we consider have something to gain by being involved



Contact us if you have other regions or ideas you are keen to trial and are willing to partner with us through our R&D Industry Services Sponsor Scheme

detectORE R&D Industry Support Program – what is it?

- Opportunity for industry service and support companies to work with us to accelerate the R&D
 - Note this Industry Support Program is not open to mining / exploration companies*
- Sponsors receive immediate and longer term benefits for doing this
- Rewarding those who get on-board and support us from the start
- Four sponsor levels
 - Observer – \$15,000 + GST
 - Active – \$30,000 + GST
 - Pro-active – \$50,000 + GST
 - Exclusive – case by case negotiations

* Mining and Exploration companies may have the opportunity to join the R&D Partner Sponsor Scheme

	Observer	Active	Pro-Active
Have access to research and field trial results, to specific geographic regions, sample media, industry segments ¹	✓	✓	✓
Direct access to detectORE principals to discuss product development and priorities	✓	✓	✓
Notification of new case studies and product releases	✓	✓	✓
Priority Access to trial and use the technology before full commercial release		✓	✓
Guaranteed supply of consumables for 12 months after release ²	✓	✓	✓
Test sample orientation – advice, design, interpretation ³		✓	✓
In-house train-the-trainer workshop training ⁴		✓	✓
Observers have a right to: <ul style="list-style-type: none"> See the R&D results (with pre-determined limitations)⁵ receive preference for future business partnership / franchise type agreements against non-sponsor service providers position their organisation in the market we are creating ahead of non-sponsor company's⁶ 	✓		
Able to submit samples for comparative test work at our Canning Vale testing facility ⁷		✓	✓
Active Sponsors benefits, as per an Observer, but has right to: <ul style="list-style-type: none"> interact with the detectORE development contribute samples for testing⁷ right to see <i>and be involved with trials and test work</i> for one geographic region of choice, and two sample media groups, or combination thereof⁸ 		✓	✓
Pro-Active Sponsors are entitled to the same benefits as Observers and Active Sponsors and the ability to: <ul style="list-style-type: none"> actively shape the future market for detectORE in agreed exploration / mining segments contribute samples for testing⁷ pro-actively engage with PPPB principals to test and refine proto-type equipment, samples etc. See the results <i>and be involved with trials and test work</i> for three geographic regions of choice, and two sample media groups or a combination thereof.⁹ 			✓
Ability to move to a higher tier (*or negotiate further benefits) by contributing additional funds ¹⁰	✓	✓	✓*
Ability to have assisted trials run on specific agreed samples, hardware etc. ¹¹			✓
Earliest access to any enhanced technology			✓

detectORE™ R&D Service Provider Sponsor Levels

¹ Geographic regions refers to R&D Target trial areas. These are currently Australia, West Africa, Andean Cordillera, Guiana Shield, Tundra, and Nevada. The sample type groups, of which there are three, are: Drill Samples (RC/AC/RAB/DD), near Surface Geochemistry (soils, rocks, laterite, stream sediments, Till, Auger, Lacustrine), mine samples (Grade Control, Process, Metallurgical samples)

² Limited to 2,000 units / year with dispatch from central supplies within 5 business days for 2 years

³ Planning and Interpretation time charges covered, but limited to 5 man days/ year during the R&D phase, which is planned to end in 2H 2020.

⁴ Train-the-trainer course costs limited to out of pocket expense by PPPB

⁵ Observers have access to results restricted to just their pre-designated geographic region(s) plus sampling group(s), as described in Note 1 above. The choice must include both a sample type and region, for example Australia, Surface and drilling geochemistry, or West Africa and Australia surface samples. This also includes access to comparative CRM tests. In the event that inadequate samples are available for a specified region then additional results will be made available from similar mineralisation styles or regolith terrain types at PPPB's sole discretion.

⁶ Provides the observer the right to negotiate marketing / franchise type opportunities ahead of non-sponsors so long as this is not in direct competition with a higher tier Service Provider Sponsor.

⁷ Limited to a maximum of 200 samples for Active Sponsor Companies and 500 for the Pro-Active Sponsors in total as part of the Sponsorship package with additional samples possible at a price to be agreed. If this allowance is not taken up during the R&D phases in its entirety then the balance of the widgets will be provided for free on commercialisation. CRMs, and derivatives thereof, to be limited to a maximum 10% of the sample numbers.

⁸ Geographic Areas and Sample Groups as per Note 1 above. Number of direct samples to be trialled on behalf of the Sponsor to be as per Note 7. To the extent possible, PPPB will work with its Industry Sponsors to facilitate sample trials that are of benefit to the Service Provider Sponsors to meet their evaluation of detectORE in a meaningful way.

⁹ Geographic Areas and Sample Groups as per Note 1 above. Number of direct samples to be trialled on behalf of the Sponsor to be as per Note 7. To the extent possible, PPPB will work with its Industry Sponsors to facilitate sample trials that are of benefit to the Service Provider Sponsors to meet your evaluation of detectORE in a meaningful way.

¹⁰ Enter at one level and like what you see and want more of it? Then contribute more R&D funds to take you to the next level of contributions and you receive all the benefits of the higher tier.

¹¹ Provide samples to PPPB (maximum 200), or at an appropriate stage (determined by PPPB), provide you widgets to trial your pilot equipment as your company prepares tools and equipment in support of detectORE end user solutions. Costs for PPPB out of pocket costs for any field trials to be at the Sponsors Expense, or as negotiated at the time.

- pXRF low level gold, in the field, near real time, now possible
- Many known unknowns so R&D still required before it can be adopted by explorers and enhancements being considered
- Potential to change many aspects of the gold industry
- Opens up new markets to industry support companies, including equipment manufacturers & suppliers, consultants, laboratories and drillers.
- PPPB has secured samples from around the globe to fast track opening up a global market upon commercialisation
- R&D Sponsor Scheme to deliver win-win opportunity for those who can see the future and want to be involved prior to commercialization.

For more details contact...

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