

# VALUE OF COLLABORATIVE INNOVATION

Session 1

*Reflections – a look at the past 12 months*



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## Ten Highlights (no particular order):

1. Full scale trial of Grade Engineering at Minera San Cristóbal (MSC)
  - Increased LOM by 2 years, valued by Sumitomo at +257M\$ NPV (+450M\$ profit)
  - Currently being operationalised
  - New opportunities in “Waste Engineering” to defray closure costs.
2. Learnings from MSC being used in other sites
  - Eg: Newcrest’s Telfer operation in Australia.
3. Sensor fusion programs for GE.
  - Major projects across commodities, countries and EP’s including BHP Nickel West (Ni), WA gold operations (Au), Cadia (Au), El Soldado (Cu), Barro Alto (lateritic Ni), Mogalakwena (Pt) etc...
  - We are seen as trusted, independent partners – agnostic on the sensors used.

## Ten Highlights (no particular order):

4. Major advances, traction and impact for IES, especially with BHP and Anglo American – becoming embedded in their operations.
5. Our facilitation role – the Instrumenting the Bench initiative with Imdex, Orica, Anglo American, Teck and METS Ignited goes from strength to strength e.g. recent work at Dawson.
6. Realising an “innovation pathway” for our funded research. Concept ideation to prototype testing within our six year term for:
  - A new fluorine sensor from the University of Adelaide
  - An on-line mineralogy sensor from NRC
  - Assisting in developing a new gold sensor from CSIRO

## Ten Highlights (no particular order):

7. 92% of our research and 98% of our utilisation milestones in progress or completed.
8. Traction and impact with Industry reflected in the quantum of our funding:
  - Total Cash & In-Kind funding target for our term = 112M\$
  - Total Cash & In-Kind funding at end of term = 163M\$ (+45%)
9. Sustaining our innovations going forward – a major effort in commercialisation and technology transfer to our METS eg.. secondments and engagement with Hatch and JKTech.
10. Beyond-term planning – a low carbon and water future

**Its been a Great Year, thanks to our Staff and the support of our Stakeholders**

# THANK YOU



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