

METS IGNITED PROJECT FUNDS

Collaborative Industry-led Investment

METS Ignited Project Funds support industry-led projects to improve the productivity, competitiveness and innovative capacity of the METS sector.

Through project funding, METS Ignited encourages collaborative partnerships, and enables Australian METS companies to solve industry challenges and deliver commercial outcomes.



WHAT HAS BEEN ACHIEVED?

Since the formation of METS Ignited, 35 projects have received funding from METS Ignited, with industry matching the funding at a ratio of 2.5 times.

Of these projects, 12 remain in progress and we expect the majority to be completed by the end of 2022.

76 Partners **1000** New roles expected

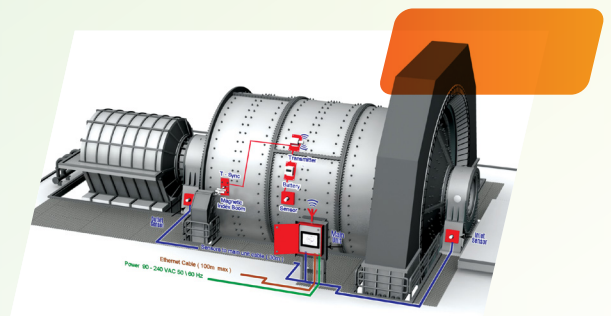
\$900million + Combined expected revenue contribution

HOW COLLABORATIVE PROJECT FUNDS DRIVE INNOVATION

METS Ignited Collaborative Project Funds are enabling technology providers to connect and combine their individual solutions into merged offerings to solve industry challenges.

- ▶ Australia is well placed to lead the widespread adoption of Industry 4.0 technology with the immediate opportunity automation is providing for the mining industry
- ▶ Collaboration between METS companies has seen important and strong links formed, leading to more integrated and successful product development
- ▶ Industry support to provide matched funding has driven real projects that have seen immediate market uptake

METS Ignited continues to invest in projects that support the commercialisation of technology in the METS sector. Investment will be aligned with the Federal Government's strategic priorities.



PROJECT FUNDS IN ACTION

Case Study 1

► Innovative environmental program rehabilitating mine sites

The future of Australia's competitiveness in the minerals sector is increasingly dependent on digital technology solutions. Soilcyclers were selected by METS Ignited to be part of the QuantumTX National METS Accelerator 2022 cohort.

Their goal is to make onsite recycling 'business as usual' for their clients by providing innovative, cost effective, plant-saving solutions to reduce the use of virgin resources, avoid importing contamination to sites and transform onsite waste into reusable materials.

Soilcyclers collaborated with Cammel Consulting and Innovate Enviro on a breakthrough METS Ignited project, funded by the Queensland Government, that involved recycling coal mine overburden to make topsoil and using partially treated mine void water to generate grass coverage in six weeks at Idemitsu's Ensham mine site.

The result is a great solution for mine sites across the world with a topsoil deficit or those who want to avoid rework and erosion issues.

Making waves with their approach, Soilcyclers have been the winner of both the iCutter Industries Environment Award and the Overall Bowen Basin Mining Club Queensland Mining Supplier of the Year Award at the 2022 Queensland Mining Awards.



Case Study 2

► Smart sensors for an oversized problem

Engineering firm AMOG Consulting and remote monitoring specialist Omniflex have worked collaboratively to develop Industrial Internet of Things (IIoT) instrumentation for the mining industry.

The initial technology was created with support of METS Ignited Collaborative Project funds, with the successful first pilot resulting in AMOG and Omniflex securing additional funding from METS Ignited to support scale-up and commercialisation of the technology.

The AMOG and Omniflex project for BHP applied low-cost sensor and communications technology to detect oversized ore when loaded

in-pit, allowing drivers to reroute trucks away from the crusher, preventing blockages and costly down-time. The system enables data to be captured and processed to support decision making in real-time improving production, safety and asset health outcomes.

The sensor technology is scalable to most mobile and fixed mining plant from pit to port. It is a great example of collaboration between a technology provider, an engineering solutions company and a Tier 1 miner.



To stay up to date on
METS Ignited visit
metsignited.org.



Peter Clarke
Project Funds Lead,
METS Ignited
p.clarke@metsignited.org