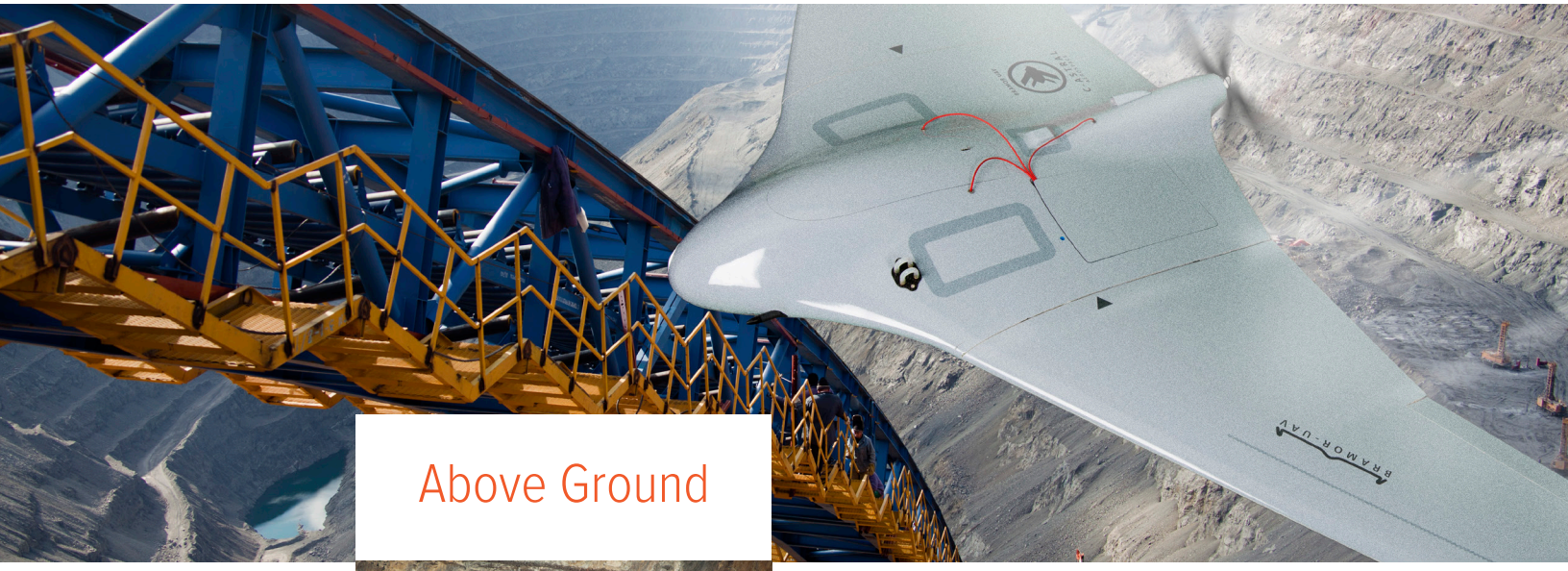

ROBOTICS
CENTRE
SO YOU'RE READY FOR ROBOTICS. . .
HERE WE ARE

ROBOTICS CENTRE



Above Ground

Tailing pond surface measurements with the right drone are as accurate as GPS mapping, costing far less. They could also be used for deep sea tailing placement and monitoring.

Our drones offer sub-centimetre resolution on open pit mine imagery, deployed on site by one of our trained operators.

For mapping, nothing beats drone technology, from surface mapping of inaccessible areas to underwater imaging to sub-surface mapping.

- Sub-centimeter resolution on open pit, stockpile, and infrastructure surveys.
- Measurements to determine wall angles, stockpile volume, heights, post blast fragmentation, and environmental compliance.
- Robotics Centre will shoulder the burden of R&D, technology procurements, training, operations, post processing, maintenance, and robot life cycle management. We deliver actionable data to help end users make informed decisions.
- We mitigate the risk of potentially dangerous inspections through the use of robots.
- We survey mines for volumes, subsidence, pit slope failures, underground mapping and 3D models of processing plants.

In short, drones are faster, safer and cheaper

Drone mapping can cover large areas much more quickly than traditional ground methods. As a result, many industries are seeing dramatic cost savings by switching to drones to perform a variety of tasks.

In the mining industry, these tasks include volumetric stockpile analysis. On average a drone can calculate the volume of stockpiles in less than a third of the time it would take two human surveyors.

Robotics Centre is already working with clients in the mining industry, building end to end solutions, and we can help you.

- **Create 3D maps** of inaccessible areas of the underground mine using drones and ground robots.
- **Digital mapping** of drifts, stopes, and ore passes.

Below Ground