





Discovering more with AI-enhanced exploration and software solutions











Geoscience technology disruptor SensOre Ltd (ASX: S3N) and geophysics software and services provider Intrepid Geophysics are now working together, combining our complementary product suite as a leader in Australian mining technology.

SensOre's suite of machine learning and artificial intelligence (AI) mineral exploration software products and technology offerings alongside Intrepid Geophysics' advanced automated geophysical software and geoscience expertise offers an expanded range of products including:

 DPT®	<p>An AI-target generation and validation technology that uses Data Cube to make predictions regarding the location, size (i.e. endowment), average ore grade/concentration) and depth of a given deposit.</p>
 DATA CUBE	<p>A multidimensional repository of cleaned and levelled geoscience data which continues to expand as SensOre acquires additional public and proprietary geochemical, geophysical and geological data. Data Cube contains more than 2,500 data layers and +24 billion discrete data points.</p>
 INTREPID 3D	<p>An airborne and ground geophysical data processing and interpretation software suite. Covering the gridding, levelling, interpretation and quality control of geophysical data in the bounds of an automated and methodical environment. Catering across the geophysics industry the suite features specialist methods like full tensor and gradiometry processing and our Cauchy downwards continuation and high-order-derivatives which provide unprecedented structural interpretation at depth. The suite also features marine potential field data processing, depth to basement modelling, multiscale edge detection and airborne radiometrics data processing.</p>
 MOKSHA-AEM	<p>A processing, inversion and interpretation package for full waveform airborne electromagnetics. By assuming 2D Geology and a 3D Source, its core algorithm benefits from the increased resolution of a 3D Inversion with the speed of a 1D Inversion. MOKSHA enables entire surveys to be inverted, enhancing coverage and ensuring no flight data is wasted. A joint induced polarisation (IP) inversion and a reference model option makes imaging of geological features through difficult areas, such as those with induced polarisation effects, possible.</p>

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 GEOMODELLER	<p>3D geological modelling package with integrated geophysical forward and inverse modelling capability. The inversion method (gravity and/or magnetic) is stochastic in nature and litho-constrained. Multiple models are produced and can be assessed using statistical probabilities. GeoModeller can use input data from a wide variety of sources.</p>
 JETSTREAM II	<p>A web-based, spatially searchable data catalogue that enables geoscientists to quickly assess the coverage, type and vintage of georeferenced spatial data held over any given area. JetStream stores data in a manner so that archived data can be searched efficiently. Its catalogue maintenance scheme automatically harvests spatial information from any new data set and updates the catalogue accordingly. JetStream automatically identifies legacy data and publishes it on a centralised server.</p>
 DISCOVERIES DATABASE	<p>SensOre's Discoveries Database is an evolving repository of publicly available mineral deposits and occurrences data. This proprietary deposit database is a competitive advantage and a key part of predictive targeting in both prospectivity mapping and DPT.</p>
 AGLADS®	<p>The Archean Gold Lode Alteration Detection System (AGLADS®) is a machine learning system designed to identify alteration of various types (i.e. host, distal, proximal, ore) enveloping gold lode systems found in the Archean. AGLADS® is used as a geochemical 'Vector to Gold Ore' during routine exploration and evaluation work performed by SensOre, including the evaluation of drilling data.</p>
 iGROCK	<p>iGROCK is a protolith rock-type classification system based on igneous rock type identification using multi-element geochemical assay data. The system is designed to identify igneous rocks predicted to be associated with, or host to, mineralisation of interest to SensOre and its clients.</p>
 iDEPOSIT®	<p>Using multielement, geological and mineralogical data, iDeposit is an ore deposit type classification system derived from the geochemical signature of different deposit types.</p>
 iFERTILE®	<p>iFertile is a geochemistry-based gold fertility prediction system designed to predict the total contained gold in a potential target from the data contained in a mineralised intersection.</p>
 SEA-G MARINE GRAVITY	<p>A fully featured marine gravity processing application powered by Intrepid Geophysics technology for on-cruise and post-cruise use. Sea-g takes the user step by step through the planning, data reduction, filtering, QA/QC and processing of gravity data.</p>



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