



## CAPABILITIES

- Geo-location of livestock to accurately count the number of stock, utilise pastures and reduce soil erosion from overgrazing.
- Temperature measurement for health management and bio security.
- Change in behaviour status using accelerometers to measure walking, angle of head for feed rate and whether still or moving.
- High retention, National Livestock Identification compliant for ultimate provenance.
- Early warning notification when an animal exceeds nominated area. Useful for notification of theft or animal jumping a fence.

## COMPETITIVE ADVANTAGE

- Targeted to last the life of the animal.
- Provides a full range of functionalities in one tag.
- Consistent knowledge of location, quantity and health of livestock from a national identification compliant ear tag.
- Provides a platform for other possible applications in the future.
- High retention and easy application to the ear.
- Reduces the risk for finance and insurance products, benefiting both finance institutions and producers.
- Early warning notification of anomalous behaviour.

## KEY CUSTOMERS

- Livestock producers: red meat, dairy, wool and pork.
- Agri Finance.
- Agri Insurance.
- Government.
- Livestock product processors.

## KEY PARTNERS

- CSIRO
- James Cook University
- Meat & Livestock Australia
- Advance Queensland
- Clandestine Designs

## QUALITY APPROVALS & AWARDS

- Meat & Livestock Australia Donor Company co-funding.
- Advance Queensland Innovation Partnerships co-funding.
- Ceres Tag and CSIRO patents.
- QLD DAF Animal Ethics Approval SA 2016/11/583

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LATIN AMERICAN MARKET ENTRY  
ACCELERATOR PROGRAM

# Clean TeQ Water



## CAPABILITIES

Clean TeQ provides metal recovery and water treatment solutions, using Continuous Ion Exchange technology - CIF®, DeSALx®.

We treat mine waters, effluents, cooling tower blowdown, ground water, and tertiary wastewater.

CIF® targets specific contaminants – sulphate, hardness, metals, nitrates, COD – for a highly efficient and economical water treatment process.

Our water treatment solutions are cheap to operate, highly resistant to fouling, and minimise brine production through the precipitation of by-products.

## COMPETITIVE ADVANTAGES

Clean TeQ's CIF® technology:

- 100% water recovery
- Zero brine production
- Handles variations in feed water quality
- Resistant to fouling
- Low power consumption
- Low capital cost
- Fully automated system
- Minimal maintenance requirements

## KEY CUSTOMERS

Treating waters from:

- Mining
- Coal and coke
- Power

Polishing effluent from:

- Municipal Wastewater
- Industrial Wastewater

Treating:

- Surface water
- Groundwater

## CERTIFICATES & AWARDS

ISO 9001  
ISO 140001

## CONTACT DETAILS

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## KEY PARTNERS

**Manantial** – South American technology partner

**Multotec** – South African technology partner

**Hoyo** – China technology partner

**Monash University** – Cooperative Research Centre Project



## CORE RESOURCES



### CAPABILITIES

- Albion Process™ - simple processing solution for complex and refractory gold projects.
- Toowong Process - safe, hygienic and cost-effective treatment route for arsenic control in mineral projects.
- Pilot Plant Services – specialist pilot plant services to global projects seeking to execute continuous metallurgical pilot plants
- Integrated Process Engineering and Testwork Services - scoping, pre-feasibility and feasibility process engineering studies in addition to providing expert guidance on the metallurgical development of projects

### COMPETITIVE ADVANTAGES

- Depth of Core's professional staff and their expertise
- Technical Excellence
- Expertise in tailings re-treatment and treatment of effluents and residues
- Offer highly innovative and unique processing technologies
- Delivering the Albion Process™ and Toowong Process as world-class solutions for projects that gain a technical and economic advantage through technology
- Specialists in complex metallurgy
- Expertise in complex low flow high control pilot plants

### KEY CUSTOMERS

- Newcrest Mining Ltd
- Glencore
- Many others both in Australia and globally

### KEY PARTNERS

- Glencore Technology
- Mineralis Consultants
- Downer / Mineral Technologies

### CERTIFICATES & AWARDS

- Premier Of Qld's Export Awards Winner 2017
- Austmine METS Innovation Award Winner 2017
- Australian Technologies Competition Winner 2016
- METS Ignited Collaboration Award Winner 2016

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## CAPABILITIES

- World leading Environmental Management and Monitoring system.
- Allows for real time actions to mitigate environmental events. Also has predictive simulations and historical reporting.
- Minute by minute level, hyper local weather modelling and forecasting.
- 72-hour risk reports delivered by email daily with easy to understand, colour-coded reports and sms alerts.
- Community engagement achieved through almost instantaneous source back-tracking, issue identification and incident reporting.
- Site-specific scenario risk modelling to determine the best time to conduct blasting operations, with minimum impact.

## COMPETITIVE ADVANTAGES

- True source identification by combining back-tracking, arcs of influence, source of problem pollutant and machine learning
- Enables operational efficiencies and savings together with regulatory compliance.
- Based on 30+ years of scientific experience as environmental consultants
- Software as a Service, Cloud based, mobile device enabled
- Be up and running in as little as 48 hours
- Built beautiful - the most intuitive user interface, with a simple traffic light system and visual source identification letting you see issues clearly, instantly.

## KEY CUSTOMERS

- Carbones del Cerrejón Limited, Cerrejón.
- Thames Water
- Veolia
- BHP Billiton, Rio Tinto, Anglo American
- USA EPA
- Bay Area Air Quality Management District (San Francisco)
- 70 Wastewater operations worldwide including many city municipalities in North America

## KEY PARTNERS

- ERM - environmental
- HDR - environmental

## CERTIFICATES & AWARDS

- SOC 2 (US Government security cert)
- 2015 Australian Technologies Competition winner

## CONTACT DETAILS

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LATIN AMERICAN MARKET ENTRY ACCELERATOR PROGRAM

# H I Mining (UGT Group)



## CAPABILITIES

- The HE-22 Hustler Mining Drill needs NO air & optional mine power or any hydraulic supply.
- Operator-controlled all-hydraulic operation & remote start/stop with override emergency stop at power pack.
- +25% shift output over current handheld drills.
- +30% meterage-drilled over current air-legs.
- Bi-directional hammer minimises recoil, reduces operator fatigue.
- 50% less vibration.
- 30% quieter, point of use.
- ZERO particulate, exhaust or other emissions.
- Improved collaring & hole quality (no flaking) gives superior shot-firing.
- Can assist in MINIMISING overburden movement in narrow stope operations.
- Operates equally at depth, surface or altitude.
- Options include skid-steer mounting, remote control and battery drive.
- Optional cast-iron or cast-aluminium drill body.

## COMPETITIVE ADVANTAGES

- ZERO reticulated-air need saves +- \$50K PER DRILL.
- Flexible mine-power or any hydraulic supply options.
- Same low usage cost at depth, surface or altitude.
- Remote start/stop safety with override emergency stop at power pack.
- +25% drill-life over usual handheld pneumatic/hydro-hydraulic air-legs.
- Energy-efficient BI-DIRECTIONAL hammer for low recoil & less fatigue.
- SAME DRILL for clockwise/counter-clockwise/neutral rotation convenience.
- -50% vibration delivers less operator fatigue.
- Lighter cast-aluminium body option for easier handling.
- Drill-mass not a factor in performance.
- ZERO particulate/exhaust/other emissions means less environment impact.
- At least 25% quieter than current air-legs.

## KEY CUSTOMERS

- ALL underground mine owners/operators.
- Contract drillers/drilling services companies.
- Mine surveyors and planners.
- Exploration companies (underground mining).
- Mine supply companies.

## KEY PARTNERS

- UGT Group Pty Ltd owns the hydraulics IP used in HE-22 Hustler handheld mine drill.
- H I Mining Pty Ltd is the wholly-owned, exclusively & globally licensed commercialisation & trading subsidiary of UGT Group.
- Neither UGT Group nor H I Mining have current key partners.
- H I Mining will consider partnership links in its target markets.

## CERTIFICATES & AWARDS

- Finalist, Latin American trade mission competition, 2018.

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**GROUP PTY LTD**  
 SAFE COST EFFECTIVE INNOVATIONS FOR THE MINING INDUSTRY



Obzervr Capture



Obzervr Manager



Obzervr Power BI

## CAPABILITIES

- Work online and offline on any device.
- One Click App Installation
- Able to gather IoT and human data for real-time business analytics.
- Integration with Power BI for visualization, dashboards and customizable analytics.
- Contextualize data relevant to the task.
- Drag and drop configurability for customisation
- Data stored and encrypted in transit and at rest in the cloud, ensuring confidentiality and privacy.

## COMPETITIVE ADVANTAGES

- Extensive public API. Our customers can connect Obzervr to any other system that supports API integration with ease.
- Quality insights. Obzervr allows customers to define their specific workflows.
- Deep understanding of sampling and testing process. Obzervr provides a platform for different industries, from Energy to Health and Agriculture, where sampling is an important requirement.
- Simplify and streamline the process management from field to HQ
- It is an affordable monthly subscription

## KEY CUSTOMERS

- Arrow Energy
- DSITI (Department of Science, Information Technology and Innovation)
- GHD
- Senex Energy

## KEY PARTNERS

- Microsoft
- Schlumberger
- Statseeker

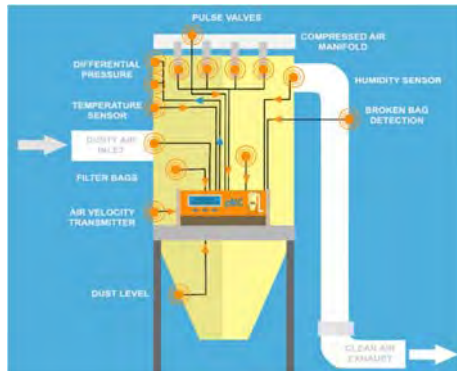
## CONTACT DETAILS

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LATIN AMERICAN MARKET ENTRY  
ACCELERATOR PROGRAM



## COMPETITIVE ADVANTAGES

- We give operations managers the peace of mind that their dust collection and air filtration systems are effective, efficient and safe.
- When our systems are in control, no news is good news.
- When something does go wrong, you are notified of the exact problem and can fix it quickly with minimal downtime.
- Our automated approach to control and monitoring enables all this to be completed in a safe and cost-effective way.

## CAPABILITIES

- We provide the brains (controllers and sensors) for dust collectors, dust suppression, air filtration and other air pollution control equipment.
- We can modernise and upgrade your existing plant and make it state of the art.
- Our systems are proven over 40 years in the harshest mining, quarry and food applications.
- Our continuous monitoring will ensure issues are brought to your attention and you remain compliant.
- Remote monitoring and control capability increases worker safety. Your people will not need to climb over equipment to find problems.

- You will save money because our systems are proven to provide: energy savings through reduced use of compressed air and water; and, ongoing cost savings due to increased life of bags, diaphragm valves and spray nozzles.
- We will customise our systems to meet your exact requirements.
- Explosion proof systems are our speciality.

## KEY CUSTOMERS

- Original Equipment Manufacturers (OEM) of dust collectors, wet spray dust suppression systems, electrostatic precipitators (ESP), air filtration devices, sand blasting and painting booths.

- Maintenance and service businesses contracted to manage these pieces of equipment benefit from our remote monitoring and diagnostic tools, delivering better outcomes for their customers.
- End Users in range of sectors, including cement, asphalt, quarries, mining, food, agriculture, wood processing, chemicals and pharmaceuticals rely on our systems to give their operations teams piece of mind.

## CONTACT DETAILS

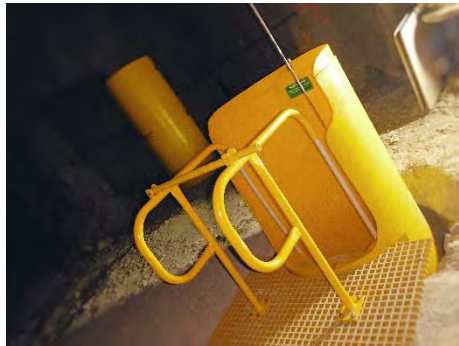
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LATIN AMERICAN MARKET ENTRY  
ACCELERATOR PROGRAM

# Safescape



## CAPABILITIES

- Safescape Laddertube - Underground Escapeway
- Safescape EP - Edge Protection for haul roads
- In-house manufacturing
- Global supply and installation capacity.
- Training: Provide training to mine personnel by Safescape's experienced installation technicians to allow them to safely install Safescape Laddertube.

## COMPETITIVE ADVANTAGES

- Innovative designs  
Safescape products are completely original designs
- Designs, manufactures & installs products – complete quality control
- Use of polyethylene and roto-moulding – suitable for the harsh underground mining environment.
- Products are simple, safe and cost effective
- Products meet all safety requirement and can be delivered and installed in a timely manner.
- Spanish speaking Business Development Manager
- Local market knowledge

## KEY CUSTOMERS

- Underground mines
- Open cut mines
- Mine Managers
- Mining Engineers
- Project Managers
- Consultants
- Contract Miners

## KEY PARTNERS

- Bailac
- Codelco
- Anglo American
- Sigdo Koppers

## CERTIFICATES & AWARDS

- Disrupt Mining Finalist 2018
- KPMG Energise 2.0 Program Customer Pitch Prize 2017
- Austmine 2017 Craig Senger Excellence in Export Award 2017
- 2017 Governor of Victoria Export Regional Exporter Award

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## CAPABILITIES

- [SunSHIFT](#) builds, owns and operates modular, moveable, megawatt-scale solar power plants, providing turnkey integration with existing power infrastructure.
- SunSHIFT provides its customers with low-cost, reliable and sustainable electricity under flexible Power Purchase Agreements (PPAs).
- SunSHIFT is a wholly-owned subsidiary of the [Laing O'Rourke Group](#), a privately-owned internationally-focused engineering enterprise with world-class capabilities across the full range of engineering, construction and asset management services.

## COMPETITIVE ADVANTAGES

- *Cheaper PPA rates under shorter PPA terms*  
Unlike conventional solar farms that are permanent, SunSHIFT power plants may be relocated from one user to the next.
- *Incremental Hybridisation™*  
SunSHIFT systems may be easily grown over time with additional solar and energy storage modules, further increasing customer savings.
- *Minimised on-site construction*  
Unlike conventional solar farms that are constructed on-site, SunSHIFT systems are pre-fabricated off-site and require minimal on-site assembly.

## KEY CUSTOMERS

- [Mining](#)
- Agribusiness
- Remote communities
- Any temporary power customer, traditionally served by diesel generators

## KEY PARTNERS

- Laing O'Rourke
- SunPower
- ABB
- Australian Renewable Energy Agency (ARENA)

## CERTIFICATES & AWARDS

- [Fire Awards Winner 2017](#) at the Bloomberg Future of Energy Summit in New York
- Australian Technologies Competition 2016 – People's Choice Award
- Green Globe Awards Winner 2015 – Best Environmental Innovation

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LATIN AMERICAN MARKET ENTRY  
ACCELERATOR PROGRAM



## CAPABILITIES

- Providing non-toxic weed control solutions by delivering Satusteam ©, the condensate of superheated water, directly onto weeds, destroying soft leaf tissue cells on contact
- Sophisticated range of applicator heads delivering Satusteam© for weed management in horticulture, agriculture and urban environment
- Eliminating the 8 hidden cost associated with chemical weed control.
- Assisting clients transition to organic vegetaiaon management and for organic producers to free up intensive labour resources tied up with hand weeding to higher level tasks and farm expansion.

## COMPETITIVE ADVANTAGES

- Unique patented Satusteam© technology (i.e. condensate of superheated water flashing into saturated steam and boiling water), used as a weed controller.
- In house engineering and CAD design to customise delivery options for customers and market sectors.
- Strong key management team, experienced in market development, product design and delivery, export / import and marketing.
- Established distribution partners across Australia, NZ, Canada, South Africa and USA.
- First movers in emerging technology space for non chemical weed management.

## KEY CUSTOMERS

- Horticultural Growers incl  
Nintanga Ecuador  
Terra Vienta Mexico  
Murray River Organics  
Bio Park Farm  
Oregon State University
- Cities/Municipality incl  
20 Councils in Australia
- Schools and Universities  
University of Colorado  
Long Beach Schools  
District  
University of California
- Landcare Groups  
Coochiemudlo Island  
Eastern Metro Regional  
Council
- Parks and Recreation  
Royal Botanic Gardens  
Government House  
Canberra
- Accredited Contractors  
NSW x 4, Qld x 4, WA x 3,  
TAS x 1, Vic x 2, SA x 1

## KEY PARTNERS

- Manufacturing partners  
Including Nilfisk/Hydrotek  
US, Alkota US, ISCA Aust,  
Crusader Hoses Aust,  
Blacklab Aust, Alfagomma  
Aust.

## CERTIFICATES & AWARDS

- Environmental and Sustainability Award 2008 from WISA (Wine Industry Suppliers Australia Inc)

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