



Delivering bankable
energy resource data

ART



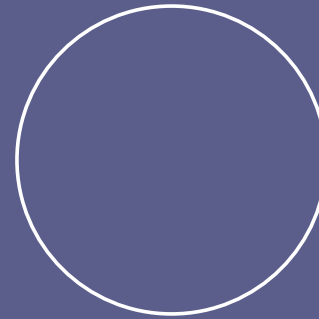
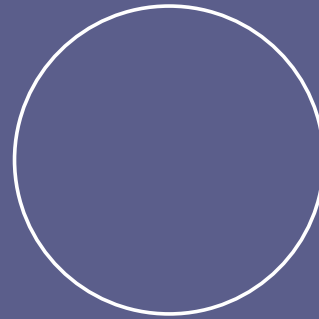
ABOUT ART

ART designs, manufactures, installs, and maintains turnkey infrastructure solutions for wind resources assessments, as well as for the broader renewables, resources and communications industries.

Since our establishment in 1973, ART has become one of the industry leaders in renewables and communication solutions.

With over 50 years' experience, we continue to deliver industry leading products and services across the renewable energy, communications, and defence sectors.

Our commitment to safety, quality, service and innovation has positioned us as a trusted industry partner. Our highly experienced team delivers market leading solutions to the very highest industry standards.



OUR MISSION

Rapidly accelerate Australia's transition to renewable energy.

OUR VISION

To be the first choice in delivering bankable data.



KEY HIGHLIGHTS

>160 Employees located across NSW, QLD, SA and NZ.

First mast installed in **2007**

50+ years in operation – established in 1973.

More than **625,000** number of hours installing wind assets.

521+ Installed masts across Australia and New Zealand.

More than **94,000** hours spent maintaining our customers' wind assets.

OUR VALUES

SAFETY, ALWAYS.

WE ALL RETURN HOME
SAFELY TO OUR PETS,
FRIENDS AND FAMILY.

EXTREME OWNERSHIP

ONE TEAM,
ONE MISSION.

WIN WITH INTEGRITY

WE THINK LONG TERM:
WE BUILD TRUST BY
DOING THE RIGHT THING.
FRIENDS AND FAMILY.

MAKE THE COMPLEX SIMPLE

ANTICIPATE OUR CLIENTS
NEEDS, RELENTLESSLY
IMPROVE OUR PRODUCTS
AND PROCESSES.

SAFETY

We are committed to ensuring the safety and well being of our employees, contractors, local communities and the environment.

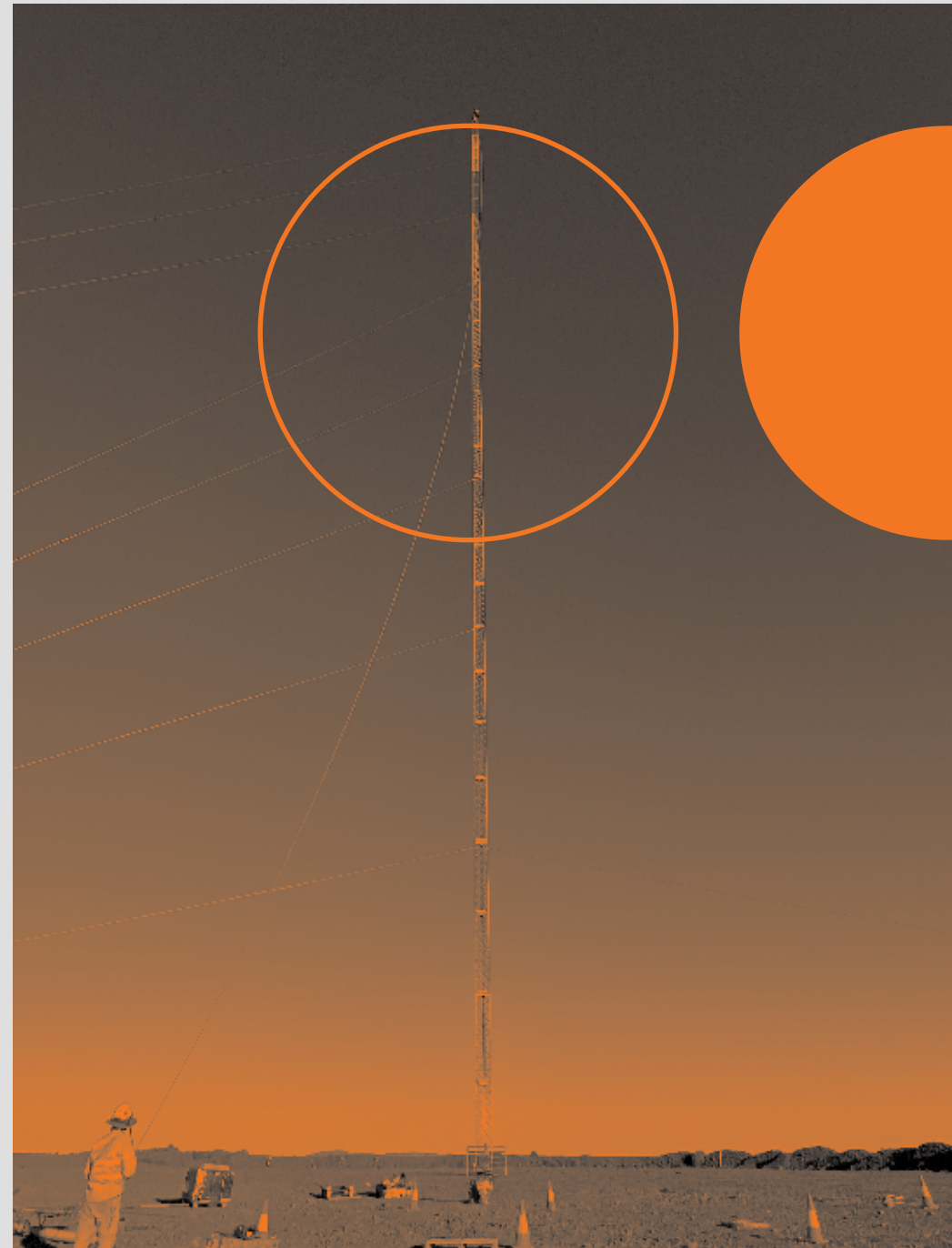
ART have implemented safe systems of work to ensure the workplace is safe, without risk of injury or illness, for its employees, visitors and anyone associated with its operations.

The health and safety of our employees is an integral part of who we are, and is underpinned by our core values. We are committed to providing resources to ensure compliance with relevant OHS Acts & Regulations, and any associated statutory legislation including implementing processes to align with ISO 45001 standards.



OUR PRODUCTS

Our wind measurement technology is industry-leading, cutting edge, ISO 9001 compliant and designed to meet all your wind monitoring campaign needs.



+ MET MASTS AND WIND SYSTEMS

Combining innovative design and robust Australian manufacturing, our masts are built for harsh climates and remote environments. Designed for simple crane free installation, with the versatility for helicopter installation where required.



+ LIDAR'S

The Vaisala WindCube® v2.1 delivers the gold standard in vertical profiling for bankable wind data, and provides the most flexible and accurate wind measurement technology available.

ART is the exclusive Australian agent for the WindCube® v2.1. We are proud to supply, lease and service a technology that is industry leading, suited to deployment in complex terrain, and delivers reliable continuous measurement campaigns.



+ SODARS

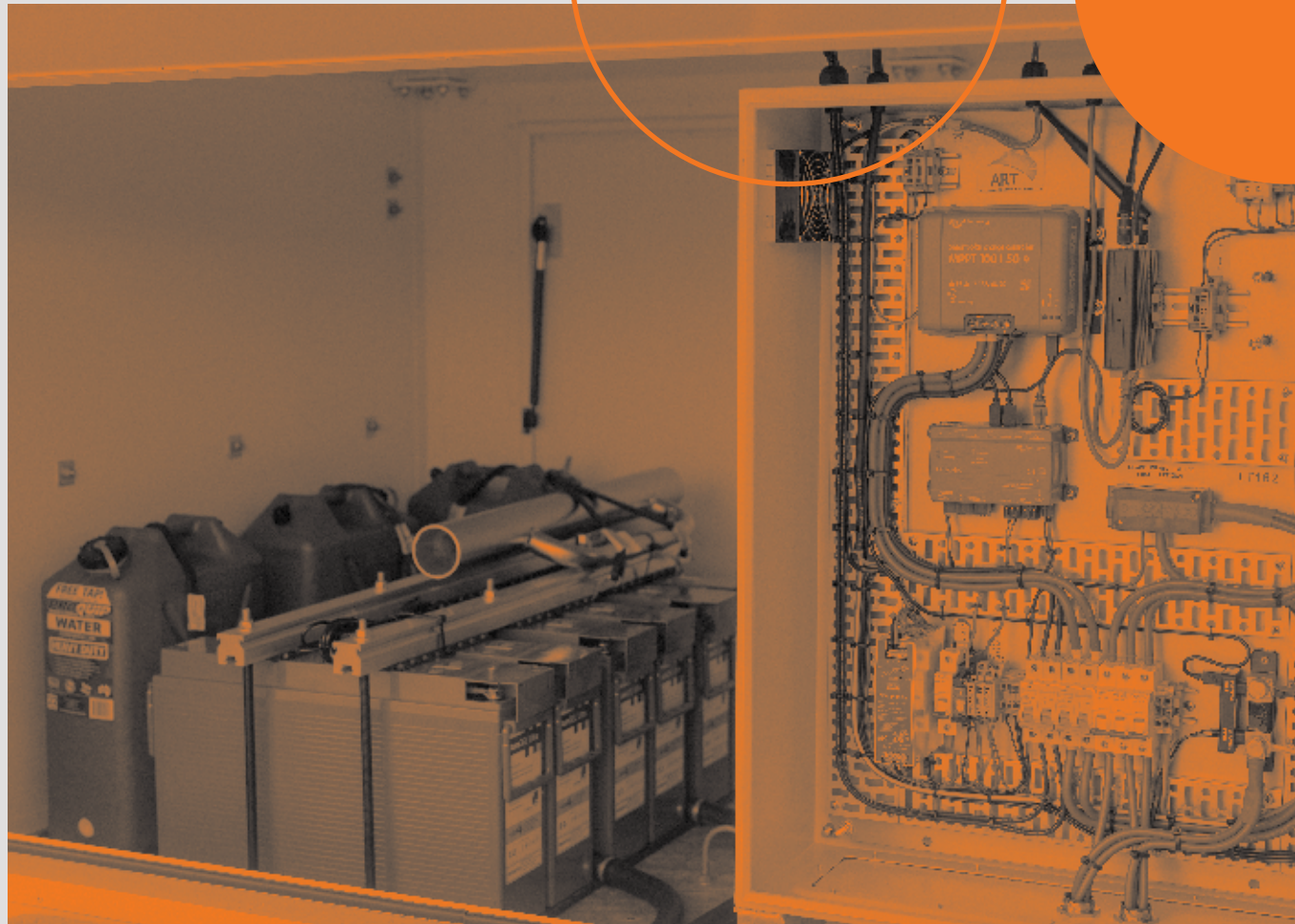
ART is the exclusive Australian and New Zealand partner for the AQ System AQ510 sodar, a robust and reliable unit. We work with our customers to deliver tailored solutions to suit their needs including leasing, power trailers, maintenance and bespoke system design.

A versatile acoustic profiler for the measurement of wind, these cost effective, and adaptable solutions are a vital tool in any pre-feasibility or wind monitoring campaign.



REMOTE POWER SOLUTIONS

At ART we understand that your wind monitoring campaigns are predominantly situated in remote and harsh locations, which is why we have developed our custom designed and Australian made stand-alone power solutions.





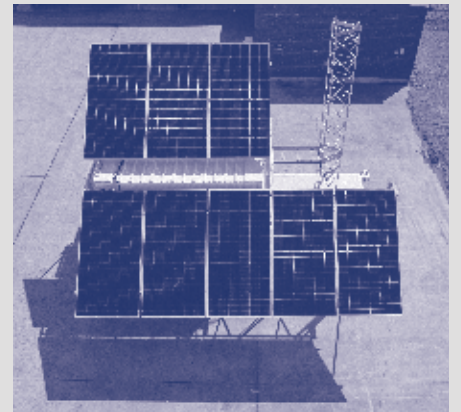
+ STAND-ALONE RSD POWER SOLUTIONS

Proudly manufactured and custom designed by ART for LiDAR's and Sodars. Choose from either the premium or essential level design options. All trailers include an industrial solar and battery Victron power system and remote communications with 4G and satellite options.



+ REMOTE POWER

Tailored to your needs and available in both trailer and skid design, ART's durable, reliable and easily transportable power solutions deliver power when and where it is needed with options to integrate comms tower or hut requirements.



+ HELIPODS

This ART purpose-built single pod is designed for rapid deployment by helicopter, and combines a WindCube® v2.1 with an industrial solar and battery Victron power system.



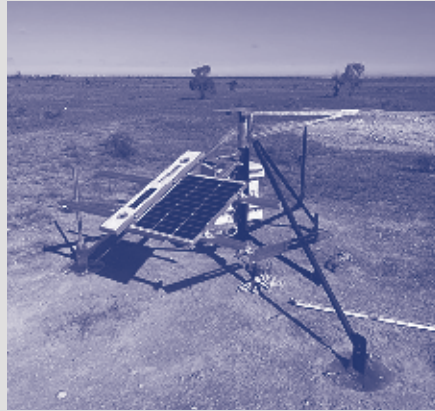
ADDITIONAL SOLUTIONS

ART's experience extends beyond the wind sector, our solutions cut across industries to deliver remote and robust solutions.



+ SOLAR MONITORING

Our cutting-edge solar monitoring stations are designed to measure solar irradiance using the highest quality solar instrumentation to meet exacting ISO standards. They are easily relocated and can be combined with your existing infrastructure. There is also the option to add a manual or advanced soiling station.



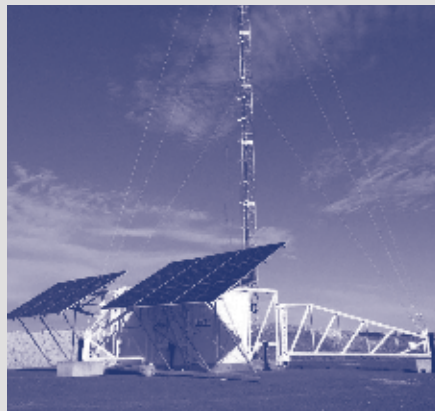
+ COMMUNICATION TOWERS AND MASTS

From guyed lattice structures over 160 m to versatile configurations of free-standing towers to suit diverse ancillary loads. ART's towers and masts are all Australian made by Flight Brothers and are designed to withstand harsh environments.



+ SKID MOUNTED COMMUNICATIONS

Robust, reliable and designed for Australian conditions, ART's custom skid mounted communication solution offers unmatched versatility, ease of deployment in remote off grid locations and integration capability with remote power.



OUR SERVICES

For over 50 years, we have been working with our customers to deliver industry-leading, end-to-end services from initial site assessments and feasibility studies through to installation, maintenance, and end of life.

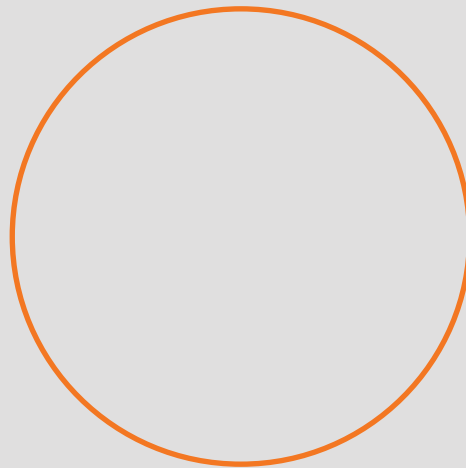




Our team of skilled professionals can work with you to solve your complex energy and communications challenges.

Our services include:

- Design
- Manufacturing
- Remote installations and construction
- Technical support
- Modular infrastructure installations and relocation
- Decommissioning



+ WIND ASSET MANAGEMENT SOLUTION

ART understands that your bankable data is key to ensuring optimal financial outcomes for your project.

Our new wind asset management solution is designed to maximise your uptime and assist you to manage your risk, by giving you the peace of mind that your wind assets are being monitored and maintained to the highest standard.

ART's complete wind asset management solution incorporates WindPulse, ART's real-time wind sensor monitoring dashboard, with tailored managed service packages for your sensor and structural needs.

WindPulse – is a real-time wind sensor monitoring software solution that allows you to monitor the health of your mast sensors and ensure they are functioning at their optimal level.

Managed service – provides a unique customer focused solution that can be tailored to suit your wind campaigns requirements. Allowing you to choose the service package that you need for your sensors and structures and select from a range of optional extras, to help you build the best managed service solution for your needs.

Comprehensive managed service package



WindPulse

Live dashboard

Daily reports

Weekly reports



Sensors

Available sensors

WindPulse – with real-time alerts

Technical support:
– Fault diagnostics
– Recommended fault rectification times

Dedicated field resources



Structures

2-year inspection & routine maintenance

Emergency maintenance

Flora control

Digital inspection, test & record platform

ART certified staff

WHO WE HELP

We are committed to working with our customers to deliver end-to-end solutions for renewables, resources and communications industries.





+ RENEWABLE

Our industry leading wind and solar measurements solutions accelerate the collection of bankable resource data for renewable energy developers across Australia and New Zealand.

+ COMMUNICATIONS

We have been delivering solutions to the communications industry for over 50 years.

ART's tower, masts and equipment provide the supporting infrastructure for wireless communications applications across Australia.

+ RESOURCES

As the resources industry transitions to meet renewable targets, energy demands for these mostly off-grid facilities are rapidly evolving.

ART offers crucial energy resource monitoring services and modular power and communications solutions to sustainably power these sites now and into the future.

+ LIGHTHOUSE INDUSTRIES

ART is a Lighthouse Industries company. Lighthouse is committed to coordinating and scaling essential energy infrastructure capabilities to meet demand, unlock critical industry infrastructure bottlenecks, and deliver superior commercial outcomes in the energy transition.

Lighthouse helps renewable energy developers to plan and deliver smarter connection infrastructure and help to deliver integrated and end-to-end solutions across the entire project lifecycle, including:

- End-to-end connection agreement services
- Design, construction & commissioning of electrical and civil balance of plant
- Earthworks, foundations and trenching
- Substation construction
- Pre-fabricated transportable switchrooms
- Transmission tower and monopole construction
- HV powerline stringing services
- Testing & commissioning



www.lhindustries.com.au



