THE ARCS GROUP
INNOVATION IN MOTION

Like how to make the world work better, safer, faster, smarter.

Nitty-gritty technical challenges, like scouring the globe to source the best product for a given solution, or inventing one that's even better.

That's just the way we're wired. That's why, when we say we'll deliver a solution, we deliver. First time. And that's how we save you time, trouble and money – when you're dealing directly with the industry's brightest minds, you get the answers you need, faster.

No excuses. No cost blow outs. Just a solution that works.

HEAD OFFICE:
2/160 EDWARD STREET
PERTH WESTERN AUSTRALIA 6000

+61 (8) 9328 1181
INFO@THEARCSGROUP.COM

WWW.THEARCSGROUP.COM

WEATHER MONITORING STATION

THE ARCS GROUP
INNOVATION IN MOTION

WEATHER STATION.

QUICK FACTS

- WS 200, 300, 400, 500 & 600 with different function mixes available
- ULTRASONIC wind speed and direction +/-0.3m/sec +/- 3 degrees
- DOPPLER RADAR precipitation type, rate and total resol. 0.01mm - WS601 with tipping bucket sensor.
- Air Pressure 300-1200hPa +/- 1.5hP
- Temperature -30+70C +/- 0.2C - aspirated
- Relative Humidity 0-100% +/- 2% - aspirated
- UMB, ASCII, SDI12 and Modbus RTU protocols
- Modbus TCP/IP converter for integration into SCADA systems and DCS systems
-

OUR SOLUTION

The ARCS Group's Weather Monitoring station is a solid-state, all-in-one weather instrument that measures wind speed and direction, precipitation, barometric pressure, temperature, and relative humidity. Its small size makes it ideal for quick deployments.

WMS has no moving parts lowering maintenance and running costs. Knowledge of local weather parameters is key operational information for rail operators in managing many aspects of the rail network. It can provide information which supports decision for temporary speed restrictions for heat and for inclement weather.

ARCS solution is primarily to use a solid state weather station (or at the client preference a hybrid station) to provide a range of weather related data. The system interfaces to the main ARCS site controller and provides a number of interfaces for users:

- Smartphone and tablet application
- Web server (ARCS hosted or client)
- Historian
- Alarms and configuration

The system communicates via 3G/4G and typically is deployed as a solar installation

OUR APPROACH

ARCS has developed a simple system with low maintenance, easy install, low power consumption and real time information delivered to the maintainer in the way the maintainer wants to see it. The ARCS Group will make sure you receive your data better, safer, faster and smarter.