



**Arra Group**

# COMPANY PROFILE

**SPECIALIST  
MECHANICAL AND ELECTRICAL  
MAINTENANCE SERVICES**



[www.arragroup.com.au](http://www.arragroup.com.au)



I respect and acknowledge the Traditional Owners of the land on which I live and work. I pay my respects to elders past, present and emerging.





## CAPABILITY

Arra Group commenced its operations with the goal to build a business based on high quality services to clients with cost efficient outcomes for both parties, whilst maintaining the highest standards of safety, quality and environmental management.

Over the past few years, our senior management team have developed and implemented a fully integrated management system with a view to offering our clients an improved, professional, cost efficient and more flexible service and workforce. Arra Group is recognised as an industry leader in rendering plant maintenance and asset management solutions.

Arra Group offers clients the ability to engage us for maintenance services and ad-hoc basis in peak load periods or to allow us to take a more holistic approach to their maintenance and operational requirements.

Arra Group delivers best practice maintenance through the direction of its management team and via the employment of industry specialists, OEM trained maintenance providers and systemic thinkers.

Throughout the WA and across resource and construction projects interstate, we have qualified and competent Heavy Diesel Mechanics, HV and LV, Electricians, Boilermakers, Machinists, Fitters, Welders and Trade Assistants as well as Maintenance Planners, SAP specialists & Superintendents available for short or long-term engagement.

With a fleet of modern, site specific field service vehicles members of our team can be mobilised with little to no lead time in situations that are critical to productivity.

The number of personnel supplied to perform these shutdowns has ranged from 60 to 80, covering multiple trades and skill levels as required by our client. We also regularly provide skilled trades personnel to our clients at very short notice to deal with urgent breakdowns or maintenance work – Field Service.

In addition to our Newman, (Pilbara) and Karratha (Coast) bases, we have an operational centre located Perth fully staffed by our HR and

Recruitment managerial administrative staff to assist our clients and our operational personnel with daily requirements. AG is currently engaged in providing mechanical maintenance, electrical and general labour hire of skilled personnel with the following clients and sites.

Our management team have completed maintenance and shutdown work for the following clients and identified sites to the satisfaction of all parties.

### CLIENTS

- **Woodside** – Karratha Gas Plant
- **CIMIC** – Includes Thiess, UGI & CPB, Ventia and NSM
- **Maca** – all Pilbara Sites
- **Rio Tinto** – all Pilbara Iron Ore mine sites
- **Altrad** – Maintenance & Construction
- **Kaefer** – Maintenance & Construction
- **Downer** – Various Construction projects in the Pilbara, Namely Fixed Plant Electrical
- **Bis Industries** – Kalgoorlie, Granny Smith and Coolgardie
- **Mineral Resources Limited (MRL)** – Yilgarn and Pilbara Regions
- **Main Roads WA** – Maintenance of Civils Fleet
- **Water Corporation** – Maintenance & projects





## QUALITY, SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM



Arra Group have a proactive policy, which ensures all employees are provided with a safe and healthy work environment. Our management staff are dedicated to accident prevention, hazard control and removal, injury protection, health preservation and promotion.

### Our high level of safety is achieved by:

- Planning, developing, implementing and monitoring comprehensive Health, Safety and Welfare Programs (we have a comprehensively developed OSH / HSE Manuals, Policies and Procedures for all tasks undertaken).
- Promoting the understanding of Health, Safety and Welfare as a normal component of all aspects of work.
- Providing a healthy and safe workplace.
- Encouraging employees to report accidents promptly, unsafe practices or conditions that become apparent and work with others to promote a safe workplace.
- Business adhering to ISO (International Standards of Operations) with regards to both Safety and Environmental management. Arra Group has achieved full certification for being compliant with ISO 45001 Safety Systems and ISO 14001 Environmental through the external auditing body and accounting firm; Equal Assurance.

All employees are fully aware of our systems and kept updated on their ongoing responsibilities through company and project inductions, toolbox meetings and safe work methods.

Safety audits and inspections are conducted at the AG workplace and job sites to ensure ongoing compliance to company standards, continuous improvement and ISO requirements.

Arra Group is committed to minimising the impact of any environmental risks and / or spill incidents occurring in the workplace. We have systems in place to ensure staff, facilities, equipment, stock, neighbours and the environment are protected at all times.

Arra Group is committed to providing our clients with exceptional quality of products and services in a creative and innovative manner.

To ensure all our work is achieved in a legal and efficient manner, we have established a quality assurance program. The program provides our clients with an assurance the quality on the products and services provided will meet current and future customer requirements.

We constantly review our operations with our key stakeholders and continuously monitor all levels and inputs into our organisation to achieve improvements wherever possible. Above all, we deal openly with our clients, staff and suppliers to make sure we begin and maintain honest, open and positive relationships. We recognise these relationships are dynamic and need constant care and management.

This program includes a Quality Manual certified upon AS/NZS ISO 9001:2015 and other standards to meet our stakeholder' needs and expectations.

Within Arra Group the definition of standards complies with AS/NZS ISO 9001:2015. Specifically, the implementation of this policy refers to the achievement of the above certification and following objectives:

- To ensure the highest quality of service.
- Make everyone in the organisation aware of their responsibilities in maintaining and improving the quality of products and service to our clients.
- Commitment to the achievement of higher standards of customer satisfaction, consistent with professional standards and ethics as defined by the professional bodies associated with the Quality Assurance Industry.
- To achieve and maintain a reputation and image of quality.
- To adopt an approach in the pursuit of all quality objectives.







# GENERAL SERVICES – MECHANICAL



## Breakdown & Diagnosis

Through the employment of OEM specialists RR are able to swiftly diagnose and repair any unplanned outages that are critical to production. With a fleet of field service vehicles we are able to mobilize in little to no lead-time further reducing mean-time-to-repair.



## Shutdowns

Planned outages are our core business and we take pride in our ability to align ourselves through all stages off the shutdown planning process to maximize overall shut effectiveness.



## Maintenance Planning

With an innate understanding of work management we are able to offer planning support on a project-by-project approach or by placing a CMMS planner within your maintenance team.



## Re-conditioning

Our experienced technicians have the ability to recondition plant and components offsite to assist in rotatable management and returning components to circulation.



## Parts

Through our supplier network we are able to swiftly procure parts and components (Both mechanical and Auto Electrical), increasing cash flow and reducing the risk of held obsolete stock for our clients.



## Light-Vehicle

RR offers a range of light-vehicle solutions from broad base automotive mechanical & Electrical & Airconditioning services to our zero downtime fleet management model built upon asset redundancy.

# SPECIALIST SERVICES – MECHANICAL MOBILE EQUIPMENT MAINTENANCE



**Arra Group**

Arra Group prides itself on supplying the highest quality of specialised and skilled labour to maintain our clients Heavy Mobile Machinery. Our workforce are ex-OEM trained and are proficient in attending all clients shutdowns, breakdowns and general backfill requirements on Hitachi, Komatsu, Caterpillar, Sandvik, Terex, Bucirus and Atlas Copco Heavy Mobile Equipment(HME). We aim to have our clients mobile fleet available 90% of the time with little downtime to repair as we understand our clients production targets. As a specialist supplier of mobile plant shutdown services. We have dealt with countless mine shutdowns in the past, gaining valuable experience and the knowledge necessary to take on all shutdown jobs, no matter how big or small, at short notice.

When it comes to on-site machine rebuilds, we are specialists in the field and have earned a renowned reputation for this in the mining sector. Our reputation has led to a large increase in demand for this service and we have focussed more resources in this division to accommodate this demand. Our talented and hardworking heavy duty diesel mechanics (Including our dual traded high voltage electricians with DC electrical technical experience) have repaired, rebuilt and refurbished Komatsu, Liebherr, Hitachi and Caterpillar equipment. We have also rebuilt dump truck, diggers, loaders, graders and scrapers amongst others.

Our specialised workforce are experienced and qualified to undertake any and all planned or shutdown/breakdown maintenance work schedules.



## Our planned maintenance category entails;

Servicing, pre service inspections, oil sampling of machine compartments, filter removal/replacement, fluid removal/replacement and machine inspections on: Pins, steering, mounts, exhausts, manifolds, engine (leaks, condition, retaining, turbo inspection etc..), transmission checks (leaks, fastening, condition, age etc..), driveline, tracks/undercarriage, compressors, Electrical wiring harnesses, HME Airconditioning maintenance, cylinders, hydraulics, pumps, motors, coling system, brakes, safety devices and circuits etc..

## Our Breakdown maintenance entails;

HME in pit breakdown reducing the downtime to repair, experience accessing and driving in an open pit environment with HME interaction keeping in mind safety precautions and pit permit rules. Key procedures are followed with regards to isolations, testing, and working at heights. Our team analyse and diagnose breakdown issues by looking at the low voltage electrical systems, hydraulic valves and pumps (testing operation, check and adjust flow/pressure, leak repairs), hydraulic motors (test motor operation and effectiveness, adjustment of flow rate), Hosing replacement and repair, undercarriage (component replacement, rollers, bogey, track chains, plates, pins , adjust and report), Driveline fault finding and diagnosing drive and failure issues and replacement components.



# AUTO ELECTRICAL



**Arra Group**

Arra Group' auto electrical team is specialised in trouble shooting and problem solving capabilities coupled with boundless hands on skills, exceptional communication skills and above all a "can do" attitude

At Arra Group we manage your fleet management systems with capabilities that will deliver and exceed your project's goals and targets

Arra Group auto electrical team is qualified and trained in a diverse type of assets from a vast range of customers covering, Mining, Construction, Government, Dealerships and others

**Arra Group auto electrical core capabilities include:**



## Trouble shooting and Diagnostics

Diagnostics Trouble Shooting with Scanners (G-Scan, Hanatech, Snap-On, Launch and others) - Usage of CAT SIS & ET (CAT Service Information System & Electronic Technician) - Starters Motors & Alternators remove, service and Install or replace - Engine Management Code reading and troubleshooting (ECU - BCM) - Read OEM and in house drawn electrical schematics. and write up diagrams.



## Airc onditioning and refrigeration systems

Installation of OEM and Custom systems. - Service and repair. - Modifications and installation of AC kits. - Utilisation of Industry ARC recommended Gas R134A. ARC licenced and authorised: AU50981. - Install & repairs of Commercial Refrigeration Ute, vans & trucks units both Chillers and Freezers. 12 & 24 volts and 240v Standby System. - In house Certificate 2 Air- Conditioning maintenance courses run for ReGas and maintenance.



## Wiring systems

Repair and fabricate wiring harness and pin out read and continuity testing. - wiring Harness rebuilds, adjustments, modifications and Braiding. - Trailer Wiring - Flat beds, Cement, fuel transporters, dollies & water tank bodies. - Making and Modification to Wiring Harnesses.



## Innovation and Technology - Safety:

Fatigue Monitoring devices in vehicles  
**RFID Tags - stored equipment data**



## Mine and constructions Spec Fit-outs

Light vehicles and Utes, Trucks, Heavy vehicles, Heavy plants, Moving heavy equipment. - Reverse Parking Sensors, reverse cameras and Reverse Buzzers / squawkers. - Emergency alarms, seatbelt alarms and low coolant warning alarms. - Door Proximity switches. - Engine shutdown, Speed control and Anti-collision systems. - CAT and Anderson Jump Starts Points.



## Battery systems

Installation of Dual Batteries Systems. - Battery (Red) and Starter Motor (Yellow) Isolation & Lock Out Switches. - 12v to 24v Step Up & Step Down 24v to 12v. - 12 volts & 24 volts to 240 volts Inverters.



## Lighting

Upgrade Lightning to LED. - Beacons / Strobe Lights. - Safety Lights. - LED Bar and rope Lights. - Driving Lights & Work Lights



## Other accessories

Rear View Cameras, Reverse Sensors. - Installation of vehicle audio, UBF, navigation, fleet management systems and recovery units. - Installation of Bull Bars, Tow Bars, Side Steps Bars & Brush Bars. - Installation of Winches and ute cranes. - Repair and service of Hydraulics systems (tailgate lift). - Trailer Brakes both pneumatic, electrical & mechanical. - Trailer Brake-A-Way Warning System. - Accessory, Merit, Waco Engel 12 Volt



**Arra Group**

## AHS / EMV ELECTRICAL

### Mining Technology Installations

Arra Group has put together a team of trade qualified technicians with the capability and monitoring by senior supervision and management to be able to undertake mining technology installations of AHS and EMV systems in both HME and LME. Arra Group vision is to provide a specialist project team through growing a dedicated talent pool of capable and competent technicians with diverse trade backgrounds from auto electricians, A Grade Electricians, Fitters and boilermakers dedicated to the specialised mining systems installations and maintenance. This team will be proficient in Installations, testing and commissioning, including but not limited to trouble shooting and problem solving capabilities and the ability to design, develop and fit custom harnesses, bracketry and switches to suit the fit for purpose OEM machinery and vehicle and technology components on assets and provide ongoing maintenance. Our teams have experience and work with; cisco radio networks, Digital 2 way radio systems (tetra), 2 way radio system (simoco), Technology and mining systems of all kinds, Caterpillar minestar, Modular PTX Dispatch, IVMS and AVI Radios, Caterpillar autonomous trucks, modular front runner AHS.





## Arra Group EMV core capabilities include: EMV



### Installation overview:

**The AHS EMV install teams address the following criteria's:**

GPS and Radio Antenna's, External Radio, Aux Box/ Backboard/Radio, Screen /eStop/Switches, Dual Battery, Cross Runs and Cabling, Testing. Modification, design and development of wiring systems and bracketry to suit OEM specification machines & extensive reporting on as builds, installation instructions & quality assurance.



### Trouble shooting and Diagnostics

Diagnostics Trouble Shooting with Scanners and monitoring tool; Site Hawk – Bird Meter frequency testing. Read OEM and in house drawn electrical schematics, following quality control procedures and step requirements and write up diagrams and reports.



### Wiring Systems

Repair and fabricate wiring harness and pin out read and continuity testing. Wiring Harness rebuilds, adjustments, modifications and Braiding. – Making and Modification to Wiring Harnesses for current asset specifications. Completion of Cross Runs and Cabling run to specifications; creating service loops, mounting and fixing, completion of coax braiding ensuring accurate colour coded coax braid utilised for each correlating unit installed; GPS, WIFI, LTE.



### Innovation and Talent Acquisition

Arra Group believes in growing its own independent team via developing and facilitating a training program that specialise in AHS and EMV installs, specifications, quality and safety. With the correct supervision and management. A continual pool of specialist technicians will be available to service this scope of works.



### HME and LME – EMV/AHS Fit-outs & Other

Light vehicles and Utes, Trucks, Heavy vehicles, Heavy plants, Moving heavy equipment. Installation of EMV Modular units, Cabling and bracketry for installs, wiring and terminating cables, mounted auxillary units – Checking installs on following: Lightbars, including indicators, stop lights, park & Stop, spotlight lights, Reverse Parking Sensors & Alarms, speakers, reverse cameras and Reverse Buzzers, exterior and interior condition reporting, – Emergency alarms, seatbelt & IVMS alarms and low coolant warning alarms. Door Proximity switches. Engine warning light alarms shutdown, Speed control and Anti-collision systems. Radio Controls and Aircon controls



### GPS, Radios Antennas, Radio & Aux Box, Screens, eStops & Switches:

Mounting and securing all critical units, cabling and bracketry to specifications and guidelines, Quality practice and finesse, recording and detailing install photos, sim card and unit serial numbers reported and data collated.



### Battery systems

Installation of Dual Batteries Systems. – Battery (Red) and Starter Motor (Yellow) Isolation & Lock Out Switches. Mounting of battery cradles and restraining, cable routing and schematics connected to EMV kit installs, ensuring cable integrity and installation to standards – 12v to 24v Step Up & Step Down 24v to 12v. – 12 volts & 24 volts to 240 volts Inverters.



### Other accessories

Rear View Cameras, Reverse Sensors. – Installation of vehicle audio, UBF, navigation, fleet management systems and recovery units. – Installation of Bull Bars, Tow Bars, Side Steps Bars & Brush Bars. – Installation of Winches and ute cranes. – Repair and service of Hydraulics systems (tailgate lift). – Trailer Brakes both pneumatic, electrical & mechanical. – Trailer Brake-A-Way Warning System. – Accessory, Merit, Waco Engel 12 Volt





# GENERAL SERVICES ELECTRICAL



## Commercial

Arra Group commercial electrical services include - Preventative and Scheduled Maintenance - Fault Finding - Lighting Design, Exit & Emergency Lighting - Installations & Project Management - Switchboard Labeling, Circuit Tracing & identification - RCD Testing, Safety Switches, Testing & Tagging - Data & Communication, Audio & Visual



## Industrial

Arra Group industrial electrical services to process and non-process infrastructure include - Preventative & Scheduled maintenance & repair - Motors & Machinery, Automation & Control - Emergency Service, Fault finding & Repair - Industrial lighting design - Project management - Process Plant Electrical Shutdown support



## Heavy Mobile Equipment

With synergies between our scope of services offered it's no surprise that we have HV electricians with a wealth of propulsion experience across all heavy mobile manufacturer disciplines available to render site support in various capacities. Our HV Electrical workforce have the dual capability of undertaking all DC electrical component faults as well as all maintenance and repairs on HME.



## Solar

Arra Group is a leading Solar Technology installer. Currently we are engaged in the installation of solar panels to mine sites in particular accommodation camps and solar LED lighting. Solar Technology is just one of the newest initiatives available to us to build and maintain renewable and sustainable power sources

# CORE ELECTRICAL SERVICES – FIXED PLANT



**Arra Group**

- Fixed Plant maintenance works.
- Back fill Labour, Shutdown, Breakdown works on all Electrical works fixed plant.
- Fixed Plant Electrical Construction works.
- Project and Capital works.
- Electrical Drafting and Design.
- High Voltage Reticulation and Sub Station/ Switch Room Surface and underground installations.
- Power Generation installations and upgrades.
- Communications including Fibre optic and Data cabling.
- Electrical Maintenance Planning and Scheduling (SAP).
- Electrical Statutory Inspections as per mine regulations.
- HV / LV underground cabling.

- Various maintenance and thermography works on all HV/LV systems
- Transformer Installation testing and commissioning up to 33kV
- HV/LV electrical cable fault location and repair work.

## Other Electrical Services:

- Shutdown and Maintenance Works – Residential and Commercial
- Various maintenance and thermography works on all HV/LV systems

## OTHER

- HV/LV Industrial electrical installations
- RCD testing services – Residential and Commercial
- Microwave radiation leakage testing



BUILT ON RELATIONSHIPS, OUR PRIORITY IS TO RENDER SERVICES THAT COMPLEMENT THE ACHIEVEMENT OF OUR CLIENTS BUSINESS OBJECTIVES BY CONTRIBUTING TO THE OVERALL REALISATION OF VALUE FROM THEIR ASSETS.

## CONTACT DETAILS

### Administration

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