

## **MOBILE WELDER ROLES AND RESPONSIBILITIES**

**Reporting to:** Lead Plant Fitter

### **Role Purpose**

The Mobile Welder is responsible for carrying out high-quality welding, fabrication and repair work on plant, equipment, structural components and temporary works across Franki Group UK workshops, yards and project sites.

Reporting to the Lead Plant Fitter, the role supports the safe operation, availability and reliability of piling, drilling, construction and associated plant. The Mobile Welder will respond to planned work and operational breakdowns, assess repair requirements, complete authorised welding and fabrication activities and confirm that work is safe before equipment is returned to service.

The role requires strong practical competence, disciplined mobile working, accurate recordkeeping and effective communication with Plant Fitters, Engineers, site teams, the Plant Hire Desk, Logistics and external specialists.

## **KEY RESPONSIBILITIES**

### **Mobile Welding and Fabrication**

- Carry out MIG, MAG, MMA, TIG and gas welding where appropriately trained, competent and authorised.
- Complete welding and fabrication repairs to plant, machinery, attachments, frames, guards, brackets, platforms, access systems and structural components.
- Fabricate replacement parts and components from approved drawings, measurements, templates or technical instructions.
- Prepare materials by cutting, grinding, bevelling, cleaning, aligning and clamping before welding.
- Select suitable welding processes, consumables, settings and techniques for the material, thickness, position and required finish.
- Complete positional welding in workshop, yard and site environments where conditions can be properly controlled.
- Prevent distortion, cracking, porosity, lack of fusion and other weld defects through correct preparation and technique.
- Ensure fabricated components meet specified dimensions, tolerances and functional requirements.
- Do not undertake safety-critical or coded welding unless qualified, authorised and working to the approved procedure.

### **Plant and Equipment Repairs**

- Inspect damaged plant and equipment and establish the likely cause and extent of the defect.
- Carry out authorised welding repairs to piling rigs, drilling equipment, excavator attachments, buckets, augers, casings, frames, access platforms and ancillary plant.
- Repair worn, cracked, bent or damaged steel components where repair is technically suitable and authorised.
- Replace wear plates, cutting edges, brackets, lugs, pins, bushes and reinforcement components as required.

- Work with Plant Fitters and Mechanical Design Engineers where repairs involve mechanical, hydraulic or engineered systems.
- Identify when a component is beyond safe repair and recommend replacement or specialist assessment.
- Avoid welding on pressure systems, lifting accessories, fuel tanks, hydraulic systems or other high-risk components without formal authorisation and controls.
- Complete post-repair checks and confirm that the equipment is ready for technical inspection before return to service.

### **Breakdown and Site Response**

- Attend project sites, yards and operational locations to complete planned repairs and urgent breakdown work.
- Review the job information, site conditions, access requirements and likely equipment needs before travel.
- Assess whether the work can be completed safely at the location or whether the equipment must be recovered to a workshop.
- Provide realistic repair times and clear progress updates to the Lead Plant Fitter and site team.
- Implement temporary repairs only where expressly authorised, technically safe and clearly documented.
- Escalate structural damage, recurring failures, major cracks or suspected design defects immediately.
- Coordinate with site management to isolate the work area and protect other workers from welding hazards.
- Ensure repaired equipment is not used until the required inspection and release process has been completed.

### **Structural and Safety-Critical Work**

- Follow approved drawings, welding procedures and repair instructions for structural or safety-critical work.
- Confirm material grade, thickness and compatibility before welding.
- Ensure preheat, interpass temperature, consumable control and post-weld requirements are followed where specified.
- Maintain traceability of materials and consumables where required.
- Do not alter load-bearing components, lifting points, piling rig structures or engineered systems without written technical approval.
- Support non-destructive testing and inspection where required.
- Immediately report cracks, deformation or defects that may affect structural integrity.
- Preserve a clear audit trail for safety-critical repairs, including photographs where appropriate.

### **Hot Work and Fire Safety**

- Comply with the Company hot-work procedure and site permit requirements.
- Check that the work area is suitable, combustible materials have been removed or protected and suitable extinguishers are available.
- Use welding screens, fire blankets, extraction and exclusion zones to control sparks, fumes, radiation and heat.
- Appoint or comply with fire-watch requirements where necessary.

- Inspect the work area after completion and remain for the required fire-watch period.
- Do not carry out hot work near fuel, gas, batteries, flammable substances or pressurised systems unless they have been made safe under an approved method.
- Stop work immediately where fire controls, ventilation or site conditions are inadequate.
- Report fires, near misses, burns, fume exposure or hot-work control failures immediately.

### **Welding Quality and Inspection**

- Visually inspect welds for profile, penetration, continuity, undercut, porosity, cracking and other defects.
- Check dimensions, alignment and fit before and after welding.
- Remove slag, spatter and sharp edges and apply an appropriate finish.
- Complete corrective work where weld quality does not meet the required standard.
- Arrange inspection by a competent person where work is safety-critical or outside personal authorisation limits.
- Support dye penetrant, magnetic particle, ultrasonic or other testing where specified.
- Never conceal a known defect with grinding, paint or additional weld metal.
- Retain photographs, measurements and inspection records where required.

### **Drawings, Measurements and Technical Instructions**

- Read and interpret engineering drawings, sketches, weld symbols and repair instructions.
- Take accurate site and workshop measurements before fabrication.
- Produce clear sketches and measurements where formal drawings are not available.
- Check dimensions, hole centres, angles, clearances and orientation before cutting or welding.
- Raise discrepancies or unclear information before work begins.
- Work with Mechanical Design Engineers on bespoke components, modifications and technical solutions.
- Ensure any deviation from an approved drawing is authorised and documented.

### **Tools, Equipment and Mobile Workshop**

- Maintain the mobile welding vehicle, welding sets, generators, leads, torches, regulators, grinders, cutting tools and measuring equipment in safe condition.
- Complete routine checks before use and report defects promptly.
- Ensure gas cylinders are correctly identified, secured, segregated, transported and stored.
- Protect welding equipment and consumables from damage, moisture, contamination and theft.
- Keep the vehicle organised, clean and stocked with approved tools, PPE, consumables and fire-safety equipment.
- Prevent unauthorised use of welding and cutting equipment.
- Arrange calibration, inspection or certification of equipment where required.
- Maintain accurate records of tools, equipment and consumables issued to the mobile unit.

**Materials and Consumables**

- Identify the correct steel, plate, section, wear material, welding wire, electrodes, gas and consumables for each job.
- Check materials for damage, contamination, incorrect grade or unsuitable condition before use.
- Control low-hydrogen and other specialist consumables in accordance with manufacturer requirements.
- Minimise waste through accurate measurement, cutting plans and reuse of suitable offcuts.
- Work with the Plant Warehouse Coordinator to maintain appropriate stock levels.
- Report shortages and long-lead materials before they delay operational work.
- Record significant material and consumable use against the relevant job.

**Health, Safety and Environmental Compliance**

- Follow risk assessments, method statements, permits, COSHH controls and site rules.
- Use suitable welding helmets, respiratory protection, gloves, flame-resistant clothing, hearing protection and other PPE.
- Control exposure to welding fumes in line with legal requirements and Company procedures.
- Use local exhaust ventilation or respiratory protective equipment where required.
- Inspect the work area for overhead services, confined spaces, unstable ground and other hazards.
- Ensure equipment is isolated, depressurised and secured against movement before repair.
- Control manual handling, lifting, jacking and support arrangements for heavy components.
- Prevent pollution from oils, chemicals, paint, grinding debris and waste materials.
- Segregate and dispose of metal, electrodes, grinding waste and hazardous materials correctly.
- Report unsafe conditions, incidents, near misses and environmental concerns immediately.

**Lifting and Handling**

- Use cranes, hoists, chains, slings, magnets and lifting accessories only where trained and authorised.
- Plan the movement and positioning of steelwork and heavy components before welding.
- Confirm lifting accessories are suitable, in date and visually serviceable.
- Never weld lifting points or lifting accessories without approved design, procedure and inspection requirements.
- Use appropriate supports, stands and restraints to prevent movement during cutting and welding.
- Stop work if components cannot be safely positioned or restrained.

**Vehicle, Travel and Site Conduct**

- Drive the Company vehicle safely, legally and in accordance with the fleet policy.
- Complete daily vehicle checks and report defects, damage or warning lights promptly.
- Secure gas cylinders, tools, plant and materials correctly during transport.

- Plan journeys and attend agreed jobs punctually.
- Maintain professional conduct at client sites and comply with local induction and security requirements.
- Protect Company property and prevent unauthorised passengers or use of the vehicle.
- Record mileage, fuel and job-related travel accurately where required.

### **Records and Reporting**

- Complete job cards, hot-work permits, inspection records and repair reports accurately.
- Record the defect, repair method, materials, labour time and consumables used.
- Attach photographs before, during and after significant repairs where appropriate.
- Record any limitations, temporary controls or follow-up work required.
- Update maintenance and asset systems promptly.
- Report outstanding defects, additional damage and unauthorised modifications.
- Maintain qualification, coding, training and equipment inspection records.
- Protect confidential, technical and commercially sensitive information.

### **Cost and Efficiency Control**

- Complete work efficiently without compromising safety or quality.
- Use materials, gases, consumables and labour responsibly.
- Assess whether site repair, workshop repair or component replacement provides the safest and most cost-effective solution.
- Avoid unnecessary travel, repeat visits and duplicated work through effective preparation.
- Report additional work and unplanned costs before proceeding where practicable.
- Support repair-versus-replace decisions with clear technical information.
- Identify recurring damage that may require design, operating or maintenance changes.

### **Collaboration and Technical Support**

- Work closely with Plant Fitters, Engineers, workshop personnel, site teams and operational managers.
- Provide practical welding and fabrication advice within personal competence.
- Support apprentices and less experienced employees with safe working techniques.
- Liaise professionally with suppliers and specialist contractors.
- Communicate job status, technical concerns and completion requirements clearly.
- Challenge unsafe instructions or unsuitable repair proposals constructively.
- Contribute to breakdown reviews, incident investigations and technical improvement discussions.

### **Continuous Improvement**

- Identify recurring cracks, wear patterns, damage and fabrication weaknesses.
- Recommend practical improvements to design, materials, guarding or operating practice.
- Support standardisation of commonly fabricated parts and repair methods.
- Improve mobile-workshop organisation and job preparation.
- Share lessons learned from repairs and failures with Plant and Engineering teams.

- Measure whether improvements reduce downtime, repeat failure, cost or safety risk.

## **BEHAVIOURAL COMPETENCIES**

### **Safety and Technical Integrity**

- Prioritises safe systems of work over operational pressure.
- Works within qualification, competence and authorisation limits.
- Reports defects and mistakes openly.
- Never releases or represents unsafe work as complete.
- Applies disciplined hot-work and fume controls.

### **Accountability and Reliability**

- Takes ownership of allocated jobs from preparation through completion.
- Arrives prepared and meets agreed attendance and response requirements.
- Protects Company vehicles, tools and materials.
- Keeps accurate records and follows actions through.
- Escalates delays and constraints promptly.

### **Technical and Commercial Thinking**

- Uses evidence and practical judgement when selecting repair methods.
- Understands the impact of downtime, repeat failure and poor-quality repair.
- Balances speed, cost, safety and whole-life reliability.
- Challenges waste and unnecessary replacement.
- Recognises when specialist engineering input is required.

### **Communication and Collaboration**

- Communicates clearly with managers, site teams and technical colleagues.
- Explains repair limitations and risks in practical terms.
- Builds professional working relationships with clients and suppliers.
- Works constructively as part of the Plant and Engineering team.
- Challenges unsafe or unclear instructions respectfully.

### **Quality and Continuous Improvement**

- Takes pride in workmanship, finish and accuracy.
- Checks work carefully before presenting it for inspection.
- Learns from defects, failures and feedback.
- Suggests practical improvements to repair and fabrication methods.
- Maintains professional standards in workshop and mobile environments.

## **PERFORMANCE AND BONUS MEASURES**

### **Safety and Compliance – 30%**

- Compliance with hot-work permits, risk controls and site procedures.
- Effective control of welding fumes, fire risk and hazardous substances.
- Quality of isolation, exclusion zones and post-work fire checks.
- Closure of safety actions and absence of avoidable breaches.
- Compliance with qualification and authorisation limits.

**Repair Quality and Reliability – 25%**

- Quality, integrity and finish of welding and fabrication work.
- Reduction in repeat repairs, weld defects and rework.
- Accuracy of measurements and fabricated components.
- Successful inspection and return-to-service outcomes.
- Operational feedback on repaired equipment.

**Response and Delivery – 20%**

- Attendance and response to planned and breakdown work.
- Completion of jobs within agreed timescales.
- Quality of preparation and first-time completion.
- Clear progress updates and escalation of delays.
- Reduction in avoidable repeat visits and downtime.

**Cost and Asset Control – 10%**

- Efficient use of materials, gases, consumables and labour.
- Control and condition of the mobile workshop, vehicle and tools.
- Accuracy of job costing and material records.
- Contribution to repair-versus-replace decisions.
- Reduction in waste and avoidable external spend.

**Behavioural Competencies – 15%**

- Safety leadership and integrity.
- Accountability and reliability.
- Technical judgement.
- Communication and collaboration.
- Quality focus and continuous improvement.
- A serious failure in welding integrity, hot-work control, structural safety, legal compliance or return-to-service requirements may reduce or remove the behavioural element and may affect the overall bonus outcome.

**ESSENTIAL EXPERIENCE AND CAPABILITY**

- Demonstrable experience as a mobile, plant, structural or heavy fabrication welder.
- Competence in relevant welding processes, including MIG/MAG and MMA.
- Experience repairing heavy plant, construction equipment, steelwork or industrial machinery.
- Ability to read drawings, weld symbols, sketches and technical instructions.
- Strong measurement, cutting, preparation and fabrication skills.
- Knowledge of welding defects and visual inspection requirements.
- Understanding of hot-work, fire, fume, gas-cylinder and workshop safety controls.
- Ability to work independently at multiple sites and make safe practical decisions.
- Full UK driving licence appropriate for the vehicle used.
- Clear written and verbal communication skills.

**DESIRABLE**

- NVQ, City & Guilds or equivalent qualification in welding and fabrication.
- Current coded-welding qualifications relevant to the work undertaken.

- Experience with piling rigs, drilling equipment, excavator attachments or specialist foundation plant.
- Experience welding high-strength, wear-resistant or specialist steels.
- Knowledge of non-destructive testing methods.
- Confined-space, abrasive-wheel, lifting, MEWP, forklift or telehandler training.
- Experience using maintenance or asset-management systems.
- Basic mechanical, hydraulic or plant-maintenance knowledge.

**Working Conditions**

- The role is mobile and involves regular travel between workshops, yards and project sites.
- The postholder will work outdoors and in active construction and industrial environments.
- The role involves exposure to heat, noise, fumes, vibration, dust and changing weather conditions, controlled through suitable measures and PPE.
- The work may involve manual handling, awkward positions, work at height and work around heavy plant.
- Early starts, overtime, overnight stays, callouts and occasional weekend work may be required.
- The postholder must comply with Company vehicle, workshop, yard and site safety procedures.

**ROLE REVIEW AND ACKNOWLEDGEMENT**

This document sets out the principal accountabilities and expected standards of the role. It is not intended to be an exhaustive list of every task or objective. Responsibilities, priorities and performance measures may be reasonably adjusted to reflect business requirements, development and project allocation, provided any material change to the fundamental nature of the role or contractual terms is managed appropriately.

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| <b>Employee name</b>             |  |
| <b>Employee signature / date</b> |  |
| <b>Manager signature / date</b>  |  |