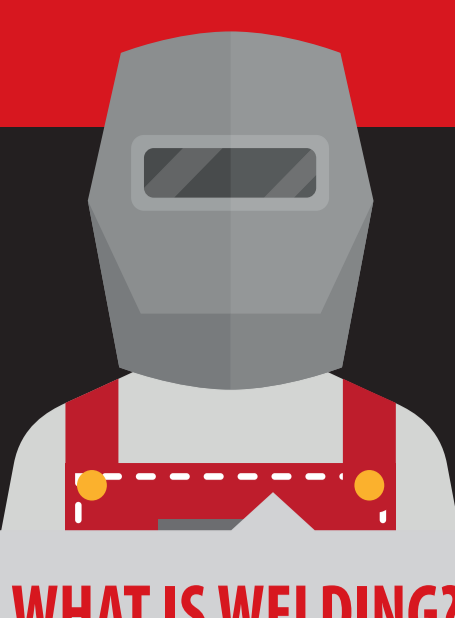


# SEARCHING FOR YOUR IDEAL JOB?

## DISCOVER A REWARDING CAREER IN

# WELDING



### WHAT IS WELDING?

Welding is the most common way of permanently joining metal parts, plates and pipes together. By applying heat to melt and fuse metal pieces and form a permanent bond, the strength of a proper weld has found uses in a wide range of industries from car manufacturing to ship building and even aerospace.

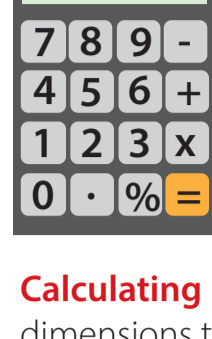
### WHAT DOES A WELDER DO?



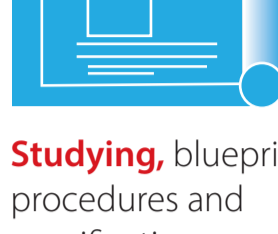
**Welding metal parts**, prepare and fill the seams of metal products using hand-held welding or brazing equipment



**Inspecting** structures or materials to be welded



**Calculating** dimensions to be welded



**Studying**, blueprints, procedures and specifications



**Maintaining** equipment and machinery

### WHY WELD?

Compared to riveting or bolting, welded structures tend to be **STRONGER • LIGHTER WEIGHT • CHEAPER TO PRODUCE**



### CAREER OPPORTUNITIES



**ENGINEERING**



**INSPECTION**



**ROBOTICS**



**SALES**



**PROJECT MANAGEMENT**

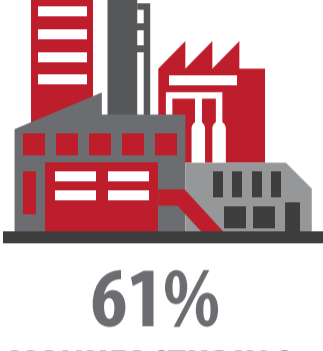


**TRAINING**

### WHERE DO WELDERS WORK?

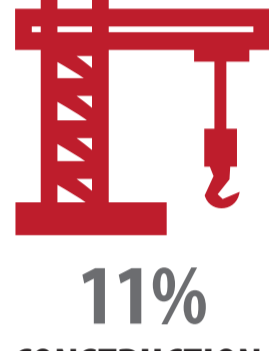
**86,000**

**PEOPLE IN THE UK ARE CURRENTLY WORKING IN THE WELDING, BRAZING AND SOLDERING TRADES** (\*2014)



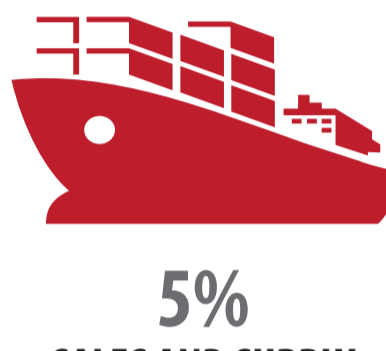
**61%**

**MANUFACTURING**



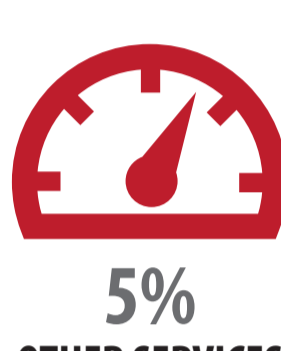
**11%**

**CONSTRUCTION**



**5%**

**SALES AND SUPPLY**



**5%**

**OTHER SERVICES**

### TRAINING AND ASSESSMENT



You don't need a degree to be a welder

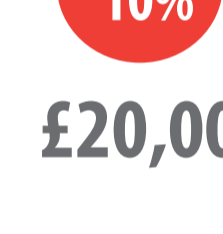
### WELDING CERTIFICATION TRAINING

can be obtained in as quickly as

**7 MONTHS**

Most jobs require passing a **HANDS-ON WELDER "CODING" TEST** and jobs are awarded by **SKILL LEVEL**

### EARNING POTENTIAL



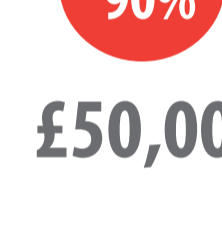
**10%**

**£20,000**



**MEDIAN**

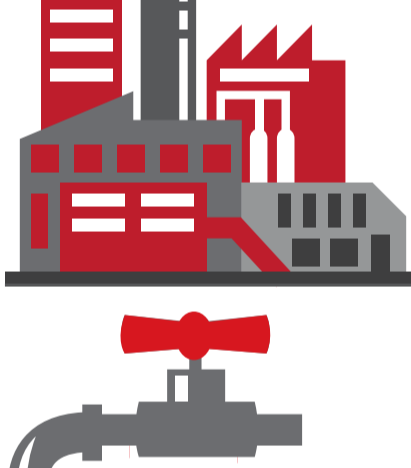
**£35,000**



**90%**

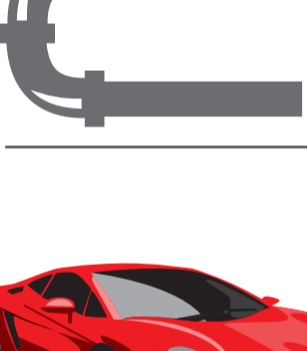
**£50,000**

### TRAVELLING JOB OPPORTUNITES



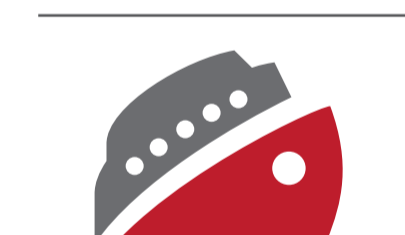
#### INDUSTRIAL SHUTDOWNS

Travelling place to place helping manufacturing plants operate trouble free.



#### PIPELINE INSTALLATION

Often requiring welders to live in remote places worldwide Pipeline welders travel to wherever pipelines are being installed or repaired and typically travel as long as the project requires.



#### MOTORSPORTS

Racing teams hire welders to travel with the pit crews to construct and repair custom made equipment and cars requiring welding and metal fabrication.



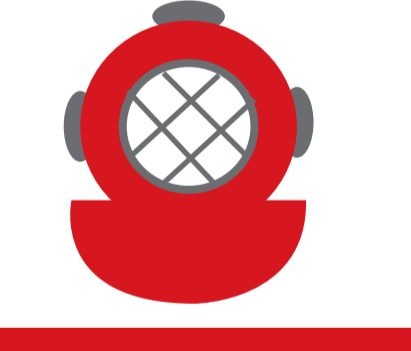
#### ON-BOARD SHIP MAINTENANCE AND REPAIR

Working for a cruise line, welders are required to live on ship while it travels the world. Replacing pipes and doing repairs while the ship is at sea.



#### SHIP BUILDING AND REPAIRS

Hired by shipyards as independent contractors to help build anything from speciality research vessels to aircraft carriers.



#### MILITARY SUPPORT

Typically hired by contracting companies that specialise in building infrastructure and repairing military equipment.



#### UNDERWATER WELDING

A highly specialised field, welders travel the world working on new construction and performing repairs at the bottom of the world's oceans. This skill-set is always in demand around the globe.

### TRAVELLING SALARIES



**OIL/GAS PLATFORM MAINTENANCE WELDERS**

**£40,000 - £80,000**



**TRAVELLING INDUSTRIAL PIPE WELDERS**

**£50,000 - £100,000**



**UNDERWATER WELDERS**

**£100,000 +**

### FUTURE WELDING TRENDS

As an increasingly high-tech skill, future welders will be trained to operate

#### ROBOTS AND OTHER AUTOMATED SYSTEMS

using highly productive welding processes



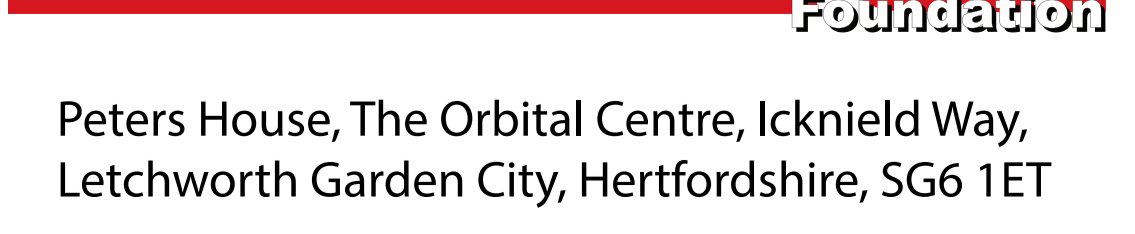
•CURRENTLY <25% OF UK WELDING IS AUTOMATED

•20% GROWTH FORECAST IN AUTOMATED WELDING OVER THE NEXT FEW YEARS, REQUIRING SKILLED WELDING OPERATORS

•WELDING AS A CAREER WILL CONTINUE TO MOVE BEYOND THE MANUFACTURING LINE

*'Welding will increasingly offer career opportunities for students interested in materials engineering, robotics, computer programming and systems integration'*

### TO BEGIN YOUR JOURNEY



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