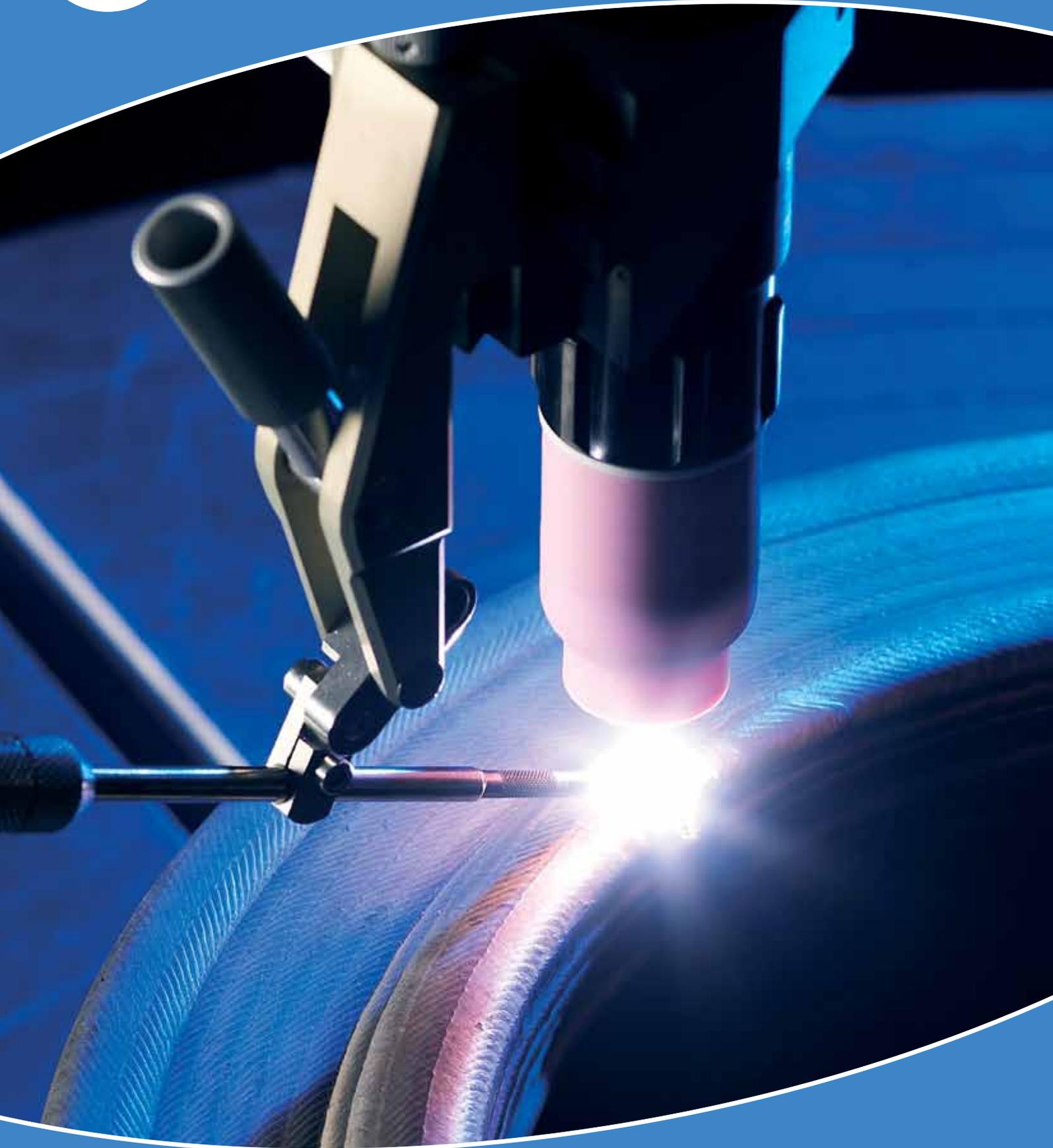


# THE ART OF WELDING



**POLYSOUDE**



Welding of a distribution line for ultra pure water in the pharmaceutical industry. MW Closed Chamber Welding Head.



# 50 years of state-of-the-art welding

## Technological expertise acknowledged throughout the world

### Technical capability

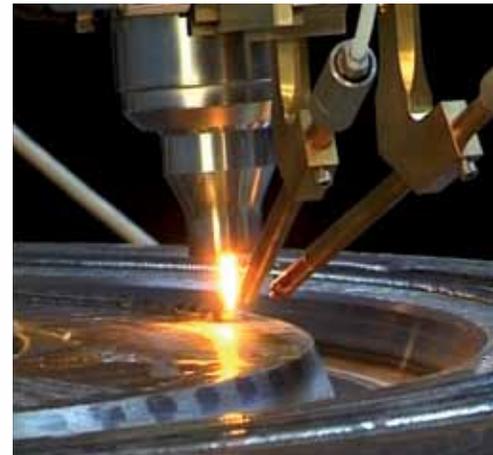
Polysoude provides high value-added **innovative and technically proven solutions** in response to the demands of the manufacturing industry.

Polysoude designs, manufactures and markets all kinds of equipment using every modern arc welding process:

- ▶ Orbital welding: tube to tube, tube to tubesheet in every size and wall thickness
- ▶ Mechanised welding: Hot or Cold Wire TIG – MIG/MAG – Plasma
- ▶ Weld overlay cladding: Hot or Cold Wire TIG
- ▶ Associated services

### Acknowledged trailblazers

Polysoude has been in business for 50 years. In this time, it has expanded its operations throughout the world and has built up a relationship with its customers based on trust. Its strength lies in its collaborative approach, backed up by specialists working in synergy and adopting a "Zero Risk / Zero Defects" approach towards its customers. The company is always at the cutting edge of R&D, which is why our experts' combination of **experience and innovation** makes them acknowledged trailblazers in the field.



Ahead of the field,  
but close at hand  
Understanding  
manufacturers' problems

### Shared performance

Polysoude has only one aim: **to optimise productivity and the quality** of its customers' products by developing new tailored solutions for them that



solve their most acute problems. We can commit to this undertaking because we make **in-depth studies of customers' specific needs, based on our knowledge of the subject and our technological expertise**. This enables us to contribute towards the development of our customers' industrial added value by constantly improving their welding techniques in every possible way.

### Cultivating a sense of service

In addition to our technological innovations, we maintain close contact with our customers, from both a geographical and cultural point of view, by listening to them, analysing their needs and providing support and also through our commitment in search of excellence. The service we offer also includes customer training and consultancy.

# Innovative and pragmatic

## Solutions that match user requirements

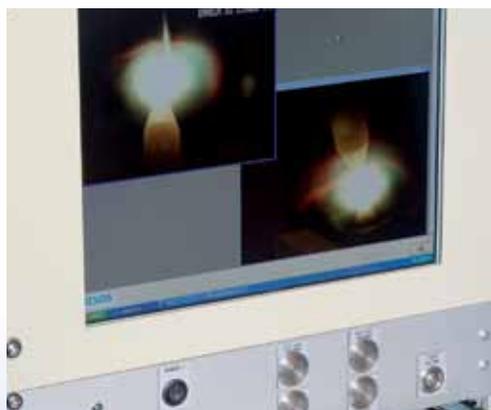
### Promoting R&D

We have amassed a great deal of know-how over the last 50 years, such as a comprehensive understanding of welding processes, the design and mechanical engineering of tools and knowledge of electronics and developing software. Our Design Office engineers and technicians have ramped up our capacity for innovation, as can be seen by our ever more successful, reliable and easy to use solutions.



### Guaranteeing faultless production

Whether manufactured in our own factories or by one of our subcontractor partners, all Polysoude finished products and spare parts are subject to the same demanding quality standards, which cover performance, meeting deadlines and cost control. The strictest checks are applied throughout the production and assembly process. **Our aim is to ensure that Polysoude solutions are competitive and that customers are totally satisfied.**



### Taking quality one step further

Polysoude has been **ISO 9001 version 2000** certified since April 2006. This certification strictly defines the approach we take towards the continuous improvement of our quality system, our products and the services we offer our customers. It also applies to the first-class tools we have installed to meet our specific needs, such as our Intranet, TDMS, CAD, CAM, ERP and CRM.



# LET YOUR PRODUCTIVITY TAKE OFF

SUPPORTING YOUR MARKET PENETRATION

Many business sectors with a strong need for quality, reliability and safety have opted for Polysoude solutions; including conventional and nuclear power stations, the oil, gas, aviation, aerospace, food, pharmaceutical, semi-conductor and other related industries.

Polysoude has developed four areas of expertise with a worldwide reputation for assisting these companies in supporting their added value: **Orbital Welding, Mechanised Welding, Weld Overlay Cladding and associated services.**



Narrow Gap welding of a high pressure pipeline for a hydroelectric power station.

Polycar MP Carriage Welding Head.



## Orbital welding:

### Extremely reliable

Throughout the world, the name Polysoude is synonymous in orbital welding with **innovation** and **ease of use**. Two out of every three users worldwide rely on Polysoude solutions and their guarantee of the highest quality and maximum productivity. Polysoude has produced a complete range of open and closed welding heads and orbital welding power sources, consisting of:

- ▶ tube to tube welding,
- ▶ tube to tubesheet welding,
- ▶ every size of thickness from thin to thick,
- ▶ welding tools for every application.



## Mechanised and automated welding:

### Total control

Polysoude standard and custom built equipment is renowned for its technical excellence and has been adopted by leading global companies and **state-of-the-art manufacturers**. Polysoude **guarantees that your project will be successful**.

Polysoude develops all kinds of standard or custom built assemblies to **handle the most complex problems**, such as:

- ▶ Hot or Cold Wire TIG Welding – MIG/MAG – Plasma,
- ▶ modular design programmable power sources to operate and monitor various peripherals,
- ▶ circumferential welding: rotating work piece or rotating welding torch,
- ▶ longitudinal welding with the welding torch in motorised linear movement.



## Weld Overlay Cladding:

### State-of-the-art wear-resistance

Polysoude is a renowned specialist in this field; its economical modular systems using Hot or Cold Wire TIG welding make it the market leader in Europe, Asia and the Middle East.

Our aim is always to design equipment that produces the very best quality of reinforced work pieces that are fully resistant to abrasion and corrosion. In this way, **Polysoude technology can help your economic efficiency.**

Polysoude turnkey cladding solutions are fully computerised, flexible and easily adapted to small and medium-size manufacturing runs. They combine consultancy, welding tests, provide the process and assistance with fine tuning it, and other associated services.



## Services provided:

### Whenever you need them

Consultancy, assistance, training and hire of equipment...

The service Polysoude offers is based on its technical skills and its ability to meet customer requirements. Our close relationship with our customers ensures you can maintain productivity and guarantee maximum availability of your equipment. We provide this service at every level:

- ▶ tailored training and support programmes for production start-up,
- ▶ highly responsive after sales service,
- ▶ preventive maintenance,
- ▶ hire of equipment to overcome production bottlenecks or try out new tools,
- ▶ retrofitting existing installations.





# AT YOUR SIDE

WHATEVER YOUR BUSINESS, WHEREVER YOU ARE

We can quickly take account of your needs, thanks to the close contact we maintain with our customers, from both a geographical and cultural point of view.





## A brand with a presence in over 50 countries

With 85% of its business internationally based, Polysoude has developed a network of over fifty local partners from its head office in Nantes. This is in addition to its own subsidiaries, which provide a combination of sales skills, service and support. Polysoude products are marketed in over 50 countries of the world.

## 250 staff providing customer follow up at all times

### Matching your expectations

More than anything else, it is the skilled men and women who are committed to working alongside you that make Polysoude the company it is. Many different nationalities work at the head office in Nantes, and most staff in the Marketing, Sales and After Sales Departments are bilingual or even trilingual, as are those in the Production and Design Departments.

Their aim is to **analyse and understand your needs** more clearly so that they can create **a strong relationship with you as partners**.

### Adaptability – the key to Polysoude's success

We are continually extending our know-how to raise our skill base, tailor our resources and become more responsive.

How do we do this? By giving our staff ongoing training. This is why they can master the latest technologies and work as a team, combining complementary talents across different departments.





## References you can rely on

Our references come from market-leading global enterprises and are synonymous with quality and safety.  
And we have **“Zero Defects”** in our sights.

### Sectors

Aviation, aerospace, oil, gas, agri-food, chemical, pharmaceutical, semi-conductor, power station construction and many other manufacturing industries...



ROLLS ROYCE  
BAE  
HYUNDAI  
ENSA  
HARBIN ELECTRIC  
AIRBUS  
BOEING  
THALES  
NEXANS  
ALENIA  
AEROSPATIALE MATRA  
SIEMENS  
TOSHIBA  
WESTINGHOUSE  
ALSTOM  
BASF  
AREVA  
CEGELEC  
DONGFANG ELECTRIC  
DOOSAN  
MCDERMOTT  
KRONES  
ATOMENERGOMASCH  
PONTICELLI  
GROUPE SAFRAN  
SUEZ  
TURBOMECA  
SHANGHAI ELECTRIC  
BORSIG  
GEA  
MAN  
LMZ  
HUISMAN  
SUBSEA  
BHEL  
MCE  
SKODA POWER  
NESTLE  
CIBA GEIGY  
SANDVIK



# POLYSOUDE : Related services

## ► Guidance and technical support

A welding application specialist in your area will advise you on the welding process and appropriate equipment for your application.

## ► Commissioning / Training

A complete training program will enable you to start using the equipment immediately and in the best way possible.

## ► Maintenance / Repair

Maintenance and repair operations can be carried out at the Polysoude plant as well as on site by our service network.

## ► Rental service

Increase the flexibility of your production! A large range of equipment is available for rental from our hire fleet.

## Your partners worldwide

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