



At a Glance  
HVACR industry

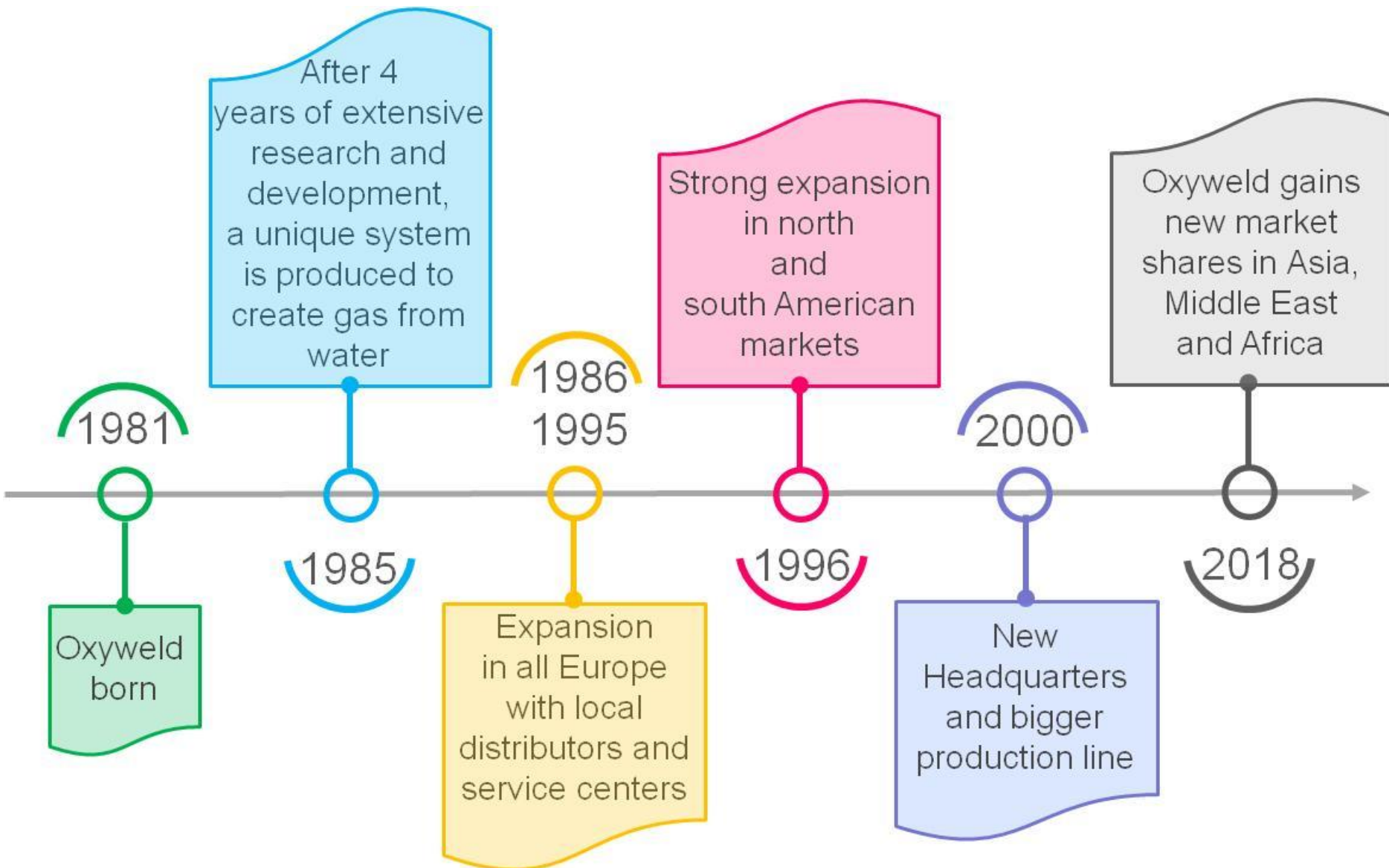


Who we are



*Passion* for Excellence

**Italian Manufacturer  
of Oxy-hydrogen  
Gas Generators for  
Welding, Brazing and  
Soldering, since 1981**







# Headquarters - ITALY

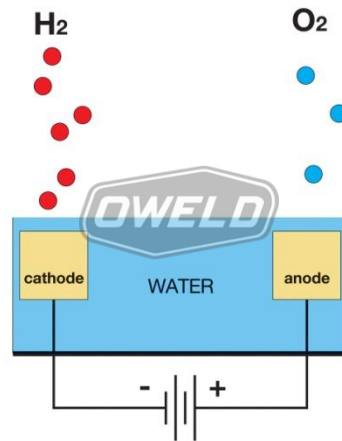


- ✓ **PRODUCTION**
- ✓ **R&D**

**1 liter** of  
**water**



**ELECTROLYSIS**



**2400 liters** of  
**oxy-hydrogen gas**





# How does it work?



**GAS CYLINDERS ARE NOT REQUIRED**



# Products range

HD = HEAVY DUTY

**2500EP**

**4600EP**

**10000HD**

**20000HD**

**30000HD**



Capacity:

**500**

Liters gas/hour

Capacity:

**1200**

Liters gas/hour

Capacity:

**2400**

Liters gas/hour

Capacity:

**5000**

Liters gas/hour

Capacity:

**7500**

Liters gas/hour

## STARTUP

Electronic lighter and gas saver to automatically turn the torch on/off.

## PRESSURE REGULATOR

To adjust and maintain the gas pressure in the torch.

## FLASHBACK ARRESTOR

Electronic device to protects from backfires

## SUPPORT

Metal structure to keep the 3 accessories close to the operator.





## FACTS vs. FACTS



- Gas pre-mixed. No human error.
- Neutral and concentrated flame.
- No overheating.
- Less oxidation.
- More penetration and stronger connections.
- User friendly technology.
- Lighter torch = more productivity.



- Stoichiometric ratio changes.
- High possibility of human error.
- Wide flame: material mechanical stress.
- Wide flame: more overheating.
- Heavier torch: more fatigue.

## FACTS vs. FACTS



- NO risk of explosions anymore.
- NO gas storage, gas on-demand.
- NO Co2 emissions or toxic gases.
- LOW Internal pressure (<0.5 bar).
- NO dark goggles.
- Fumes -80%.



- Gas always under pressure (250 bar).
- Toxic gases dangerous for workers.
- Pressure range 3-10 bar.
- Optical radiations: IR, UV & visible.
- Fumes from the flame.



The background of the image shows a close-up of a copper coil with numerous vertical tubes, likely part of an HVAC system. The copper has a reddish-brown patina. A blue rectangular banner is positioned on the left side, containing the text 'HVACR'. To the right of this banner is the 'Oxyweld' logo, which consists of the word 'OXYWELD' in a stylized, italicized font inside a white-outlined hexagonal shape.

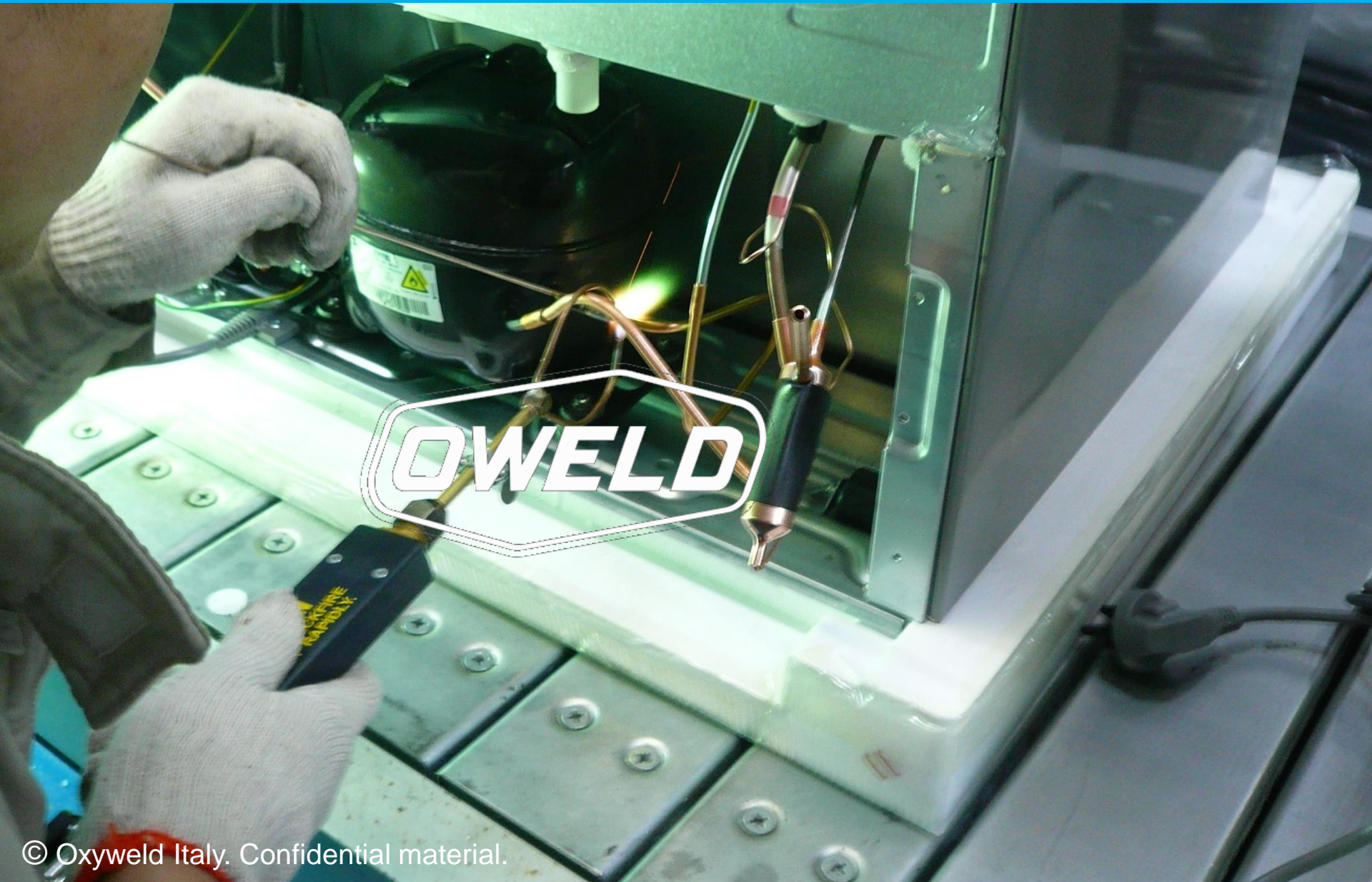
# HVACR

***OXYWELD***





# Refrigerator brazing







# Copper to copper brazing





# Domestic & industrial refrigerators







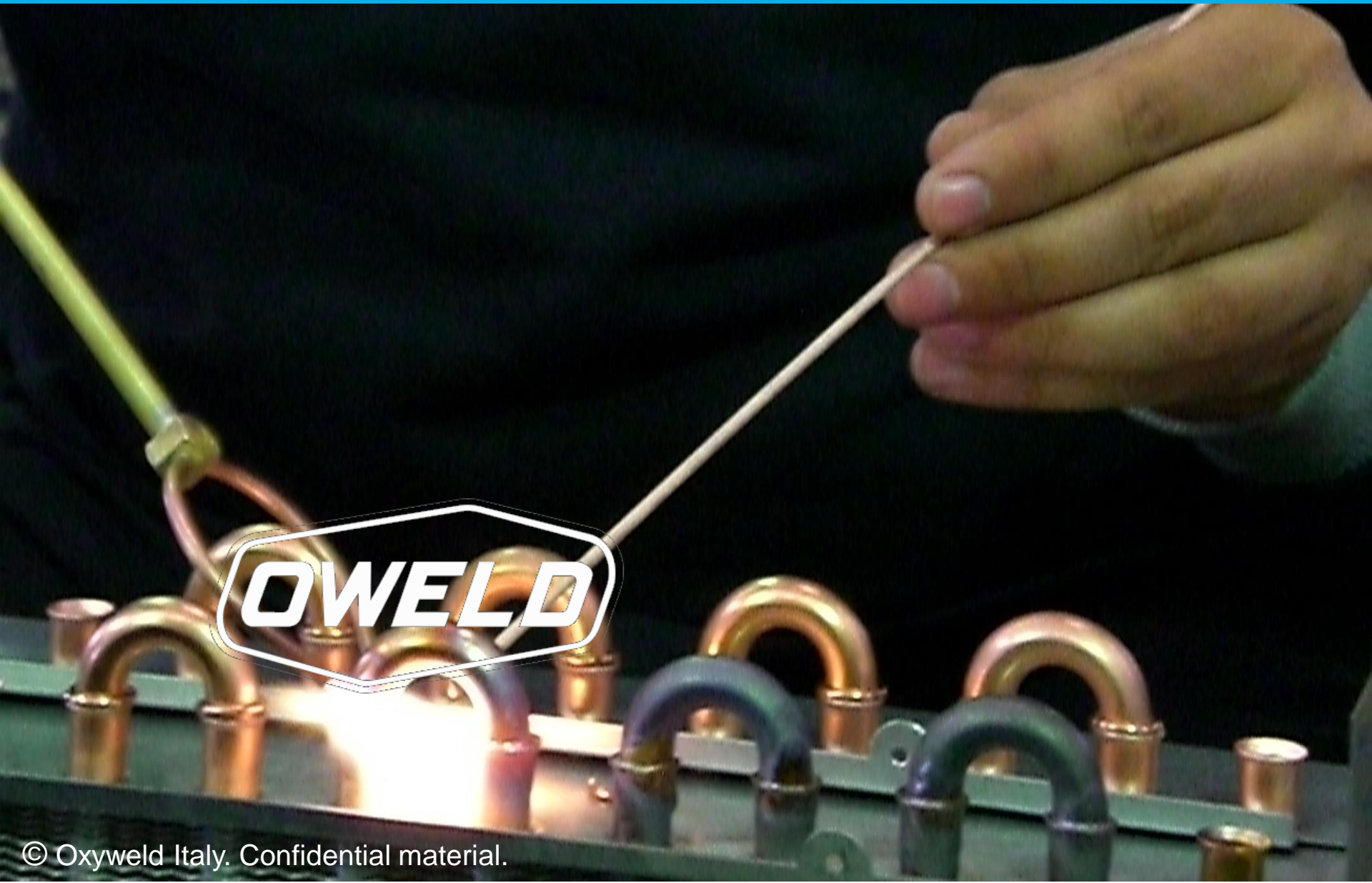
# Copper to brass brazing







# Heat exchanger brazing







# Aluminium to aluminium brazing





# Some international references



**Haier**

**EMERSON**



*...AND MANY OTHERS....*

 **Electrolux**

**gorenje**



**HUSSMANN®**

# Thank you

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