



**At a Glance
HVACR industry**

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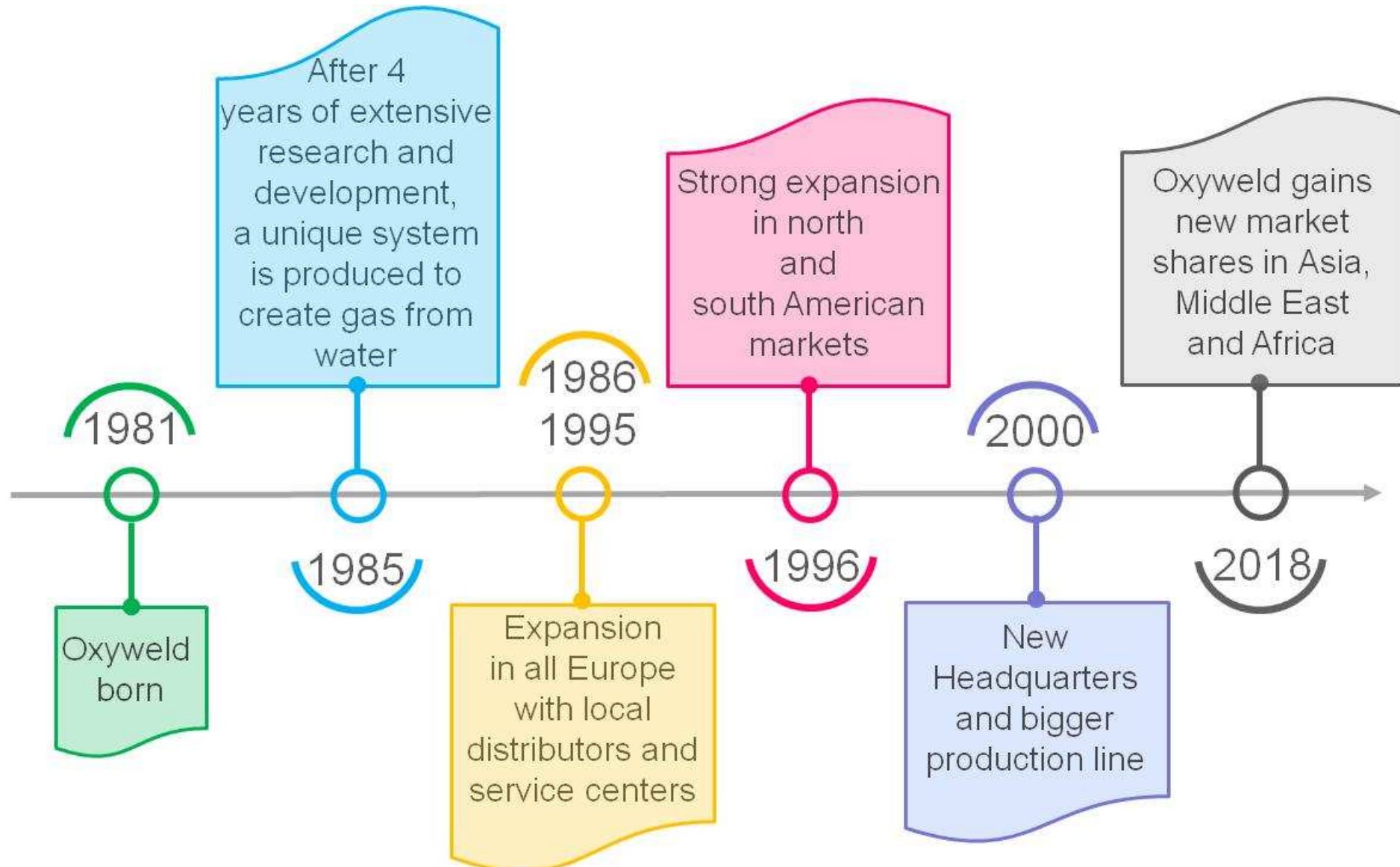
Who we are



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



History





Headquarters - ITALY



✓ **PRODUCTION**

✓ **R&D**

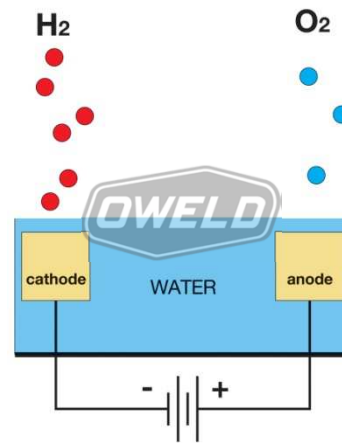


How does it work?

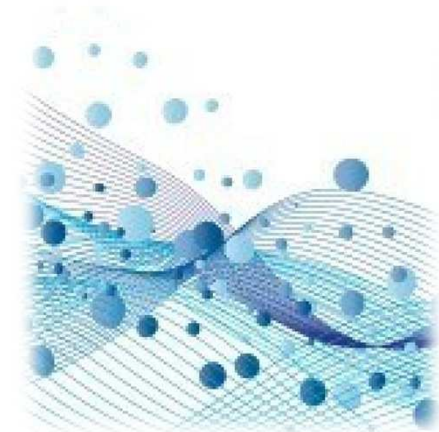
1 liter of
water



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



Standard working place

START UP

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.





Quality

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.



Safety

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%.

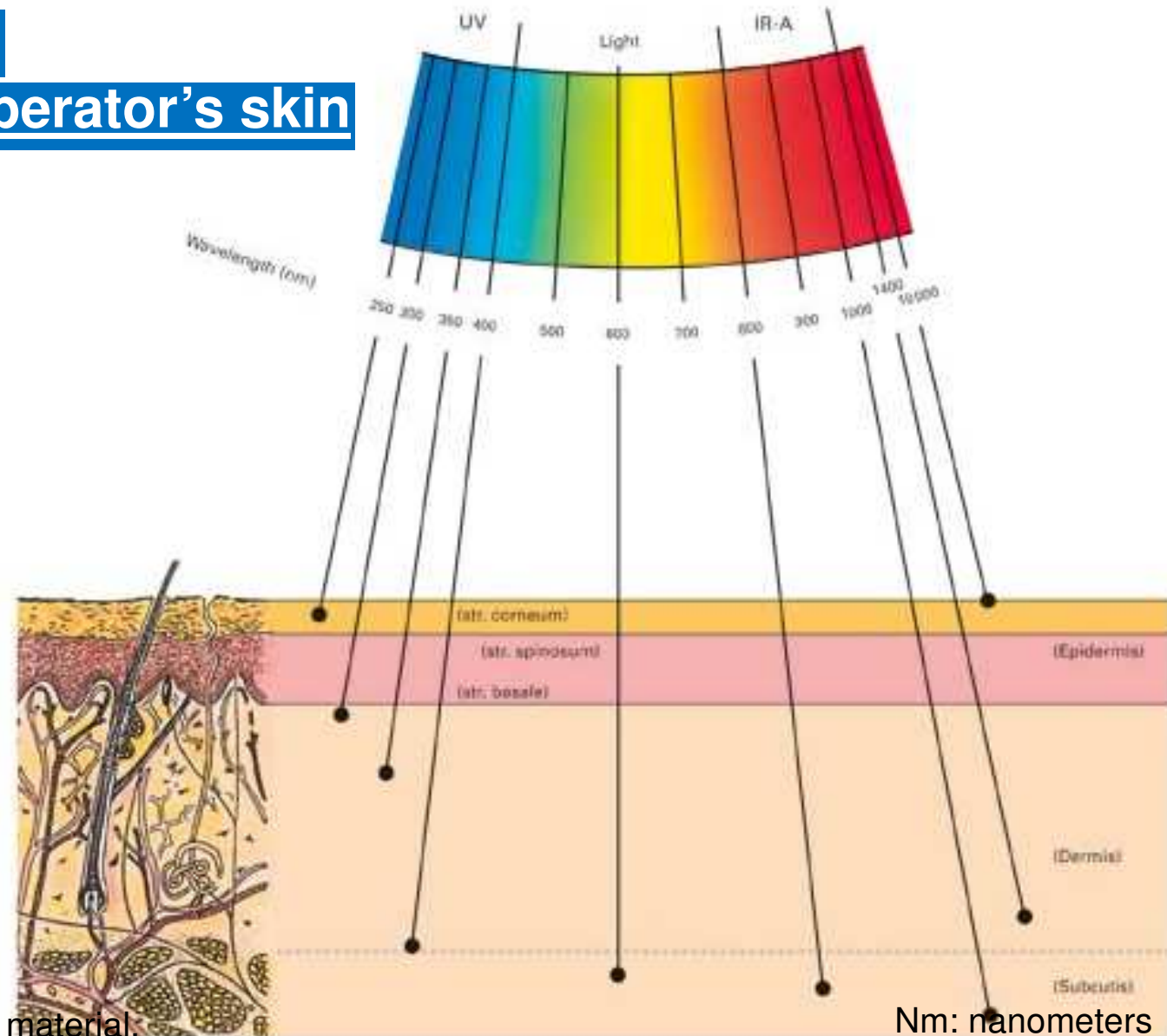


- Gas always under pressure (250 bar).
- Toxic gases dangerous for workers.
- Pressure range 3-10 bar.
- Optical radiations: IR, UV & visible.
- Fumes from the flame.

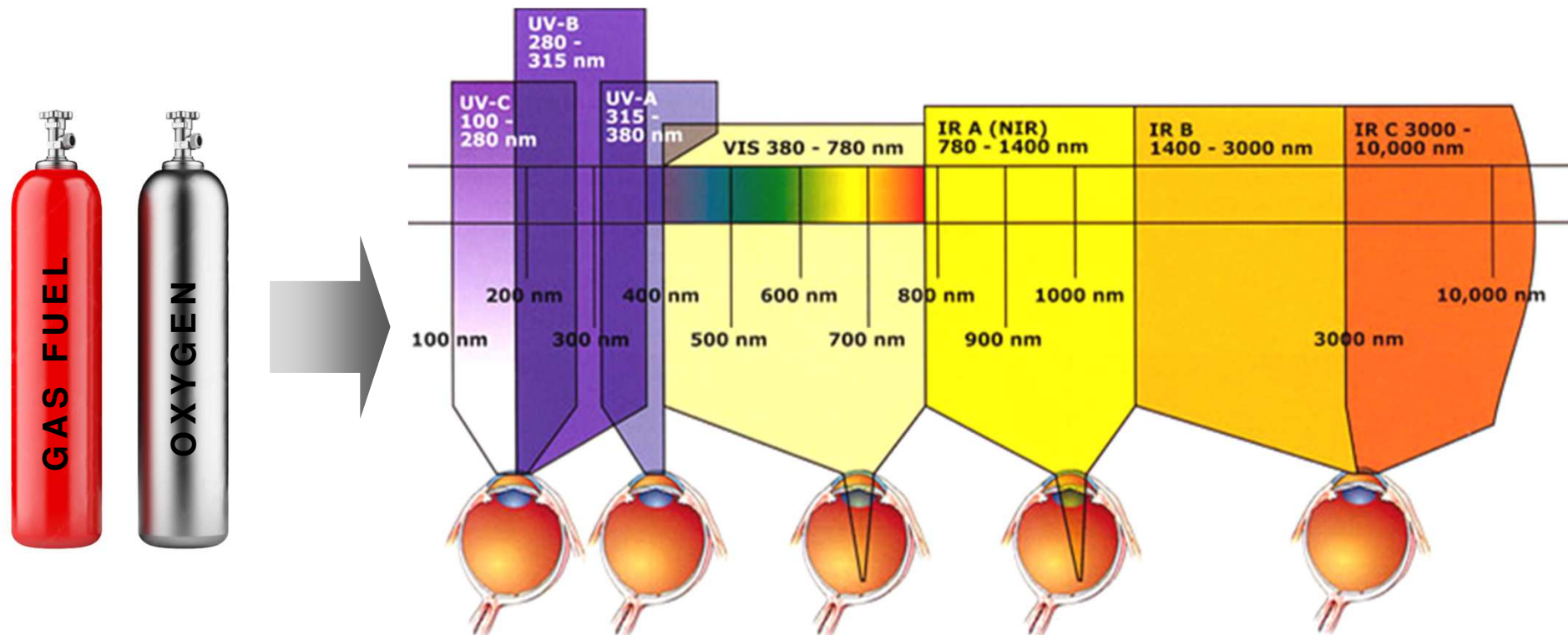


Safety

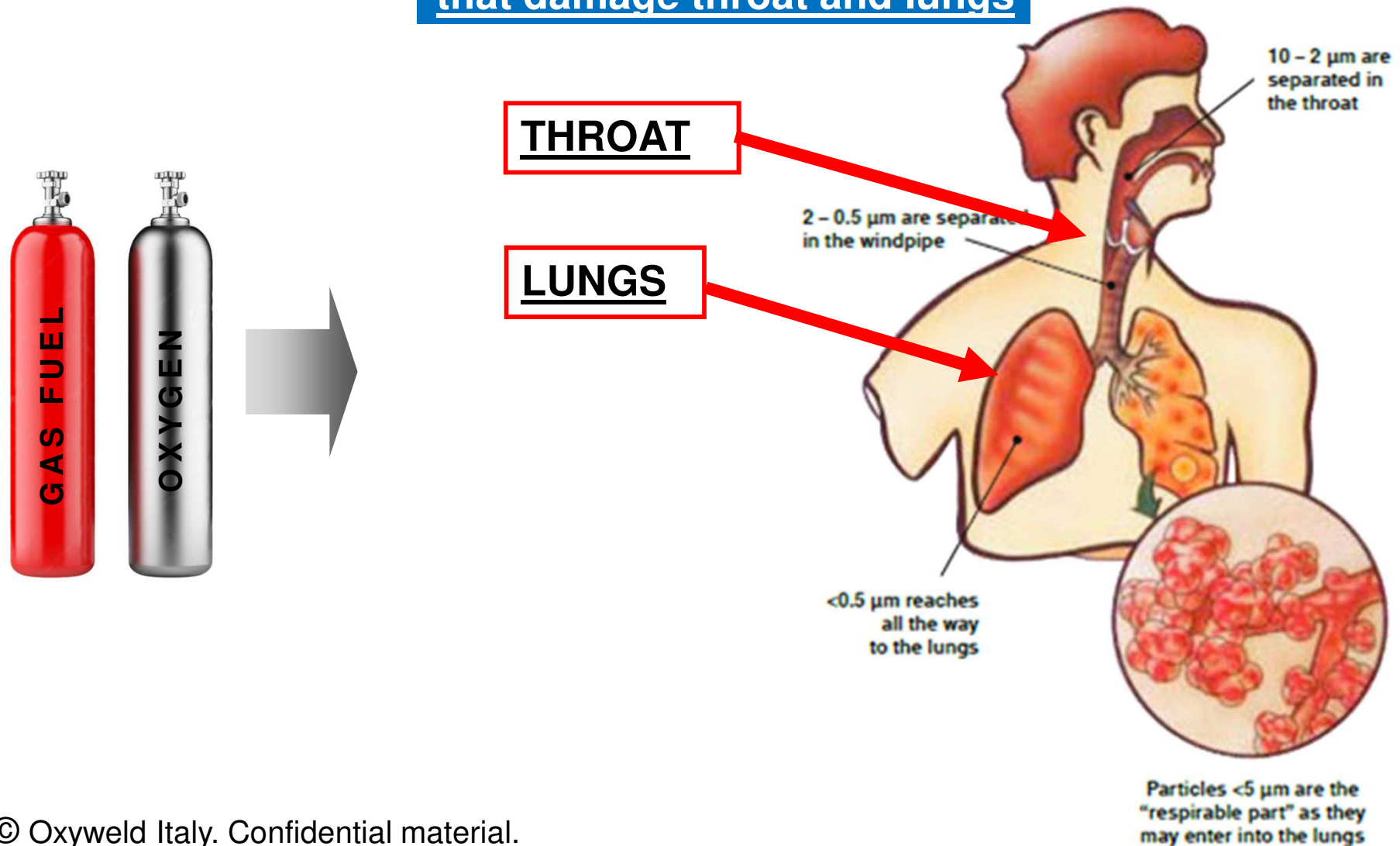
Traditional gas
damages the operator's skin



Traditional gas damages the operator's eye retin



With traditional systems welders are exposed to dangerous fumes that damage throat and lungs



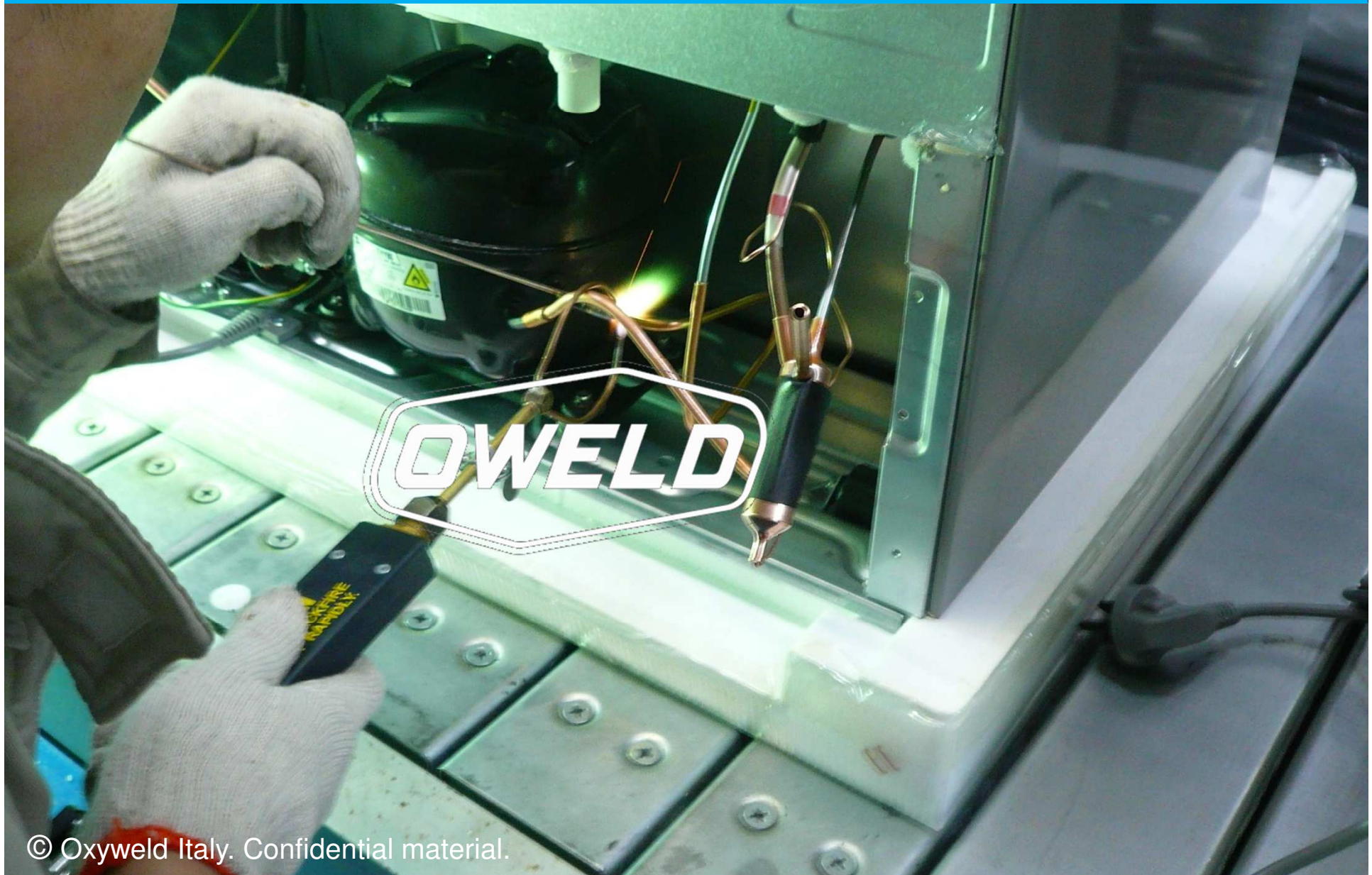


HVACR





Refrigerator brazing





Copper to copper brazing





Domestic & industrial refrigerators



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Domestic & industrial refrigerators



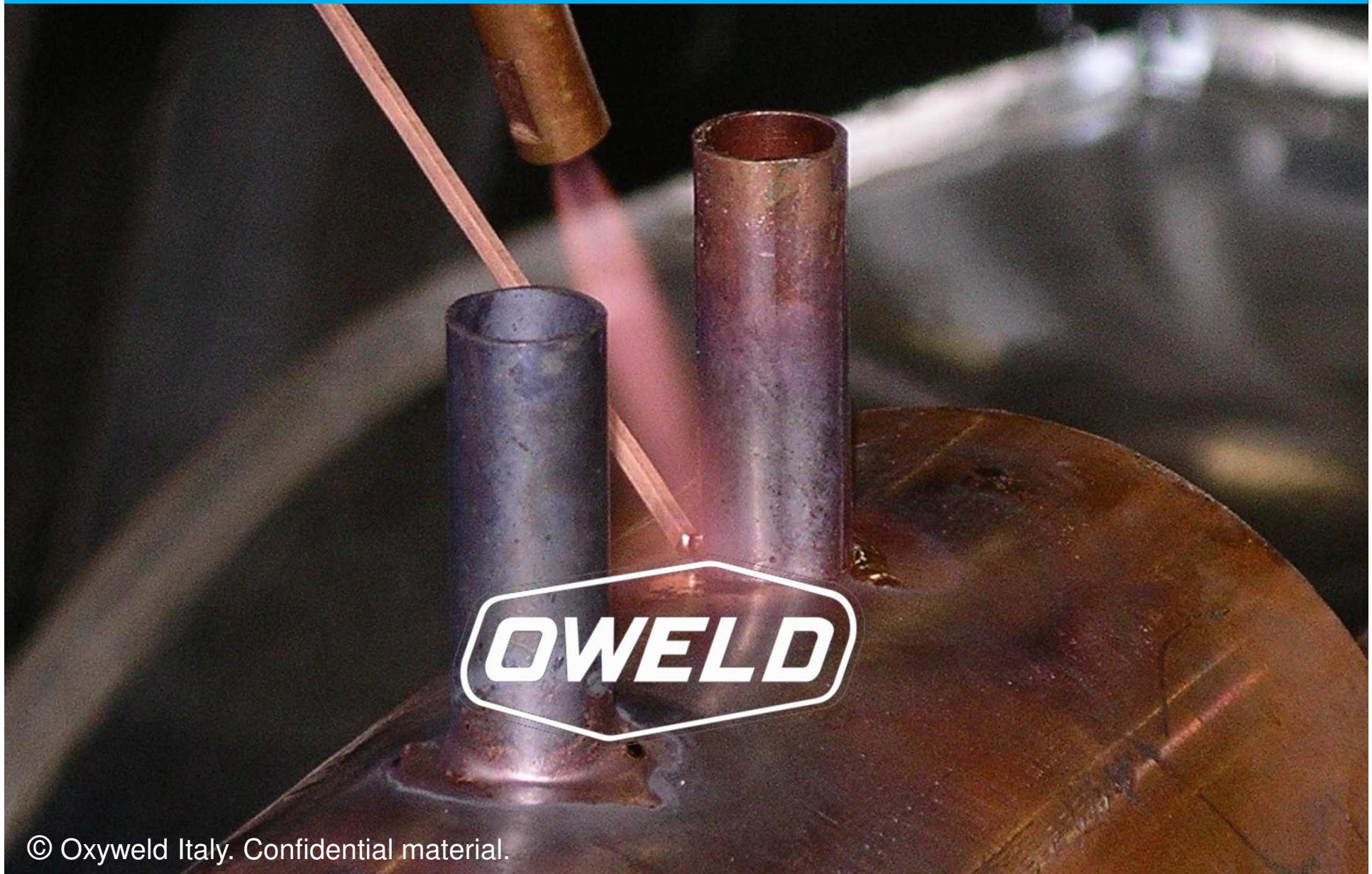


Refrigerator brazing





Copper to copper brazing



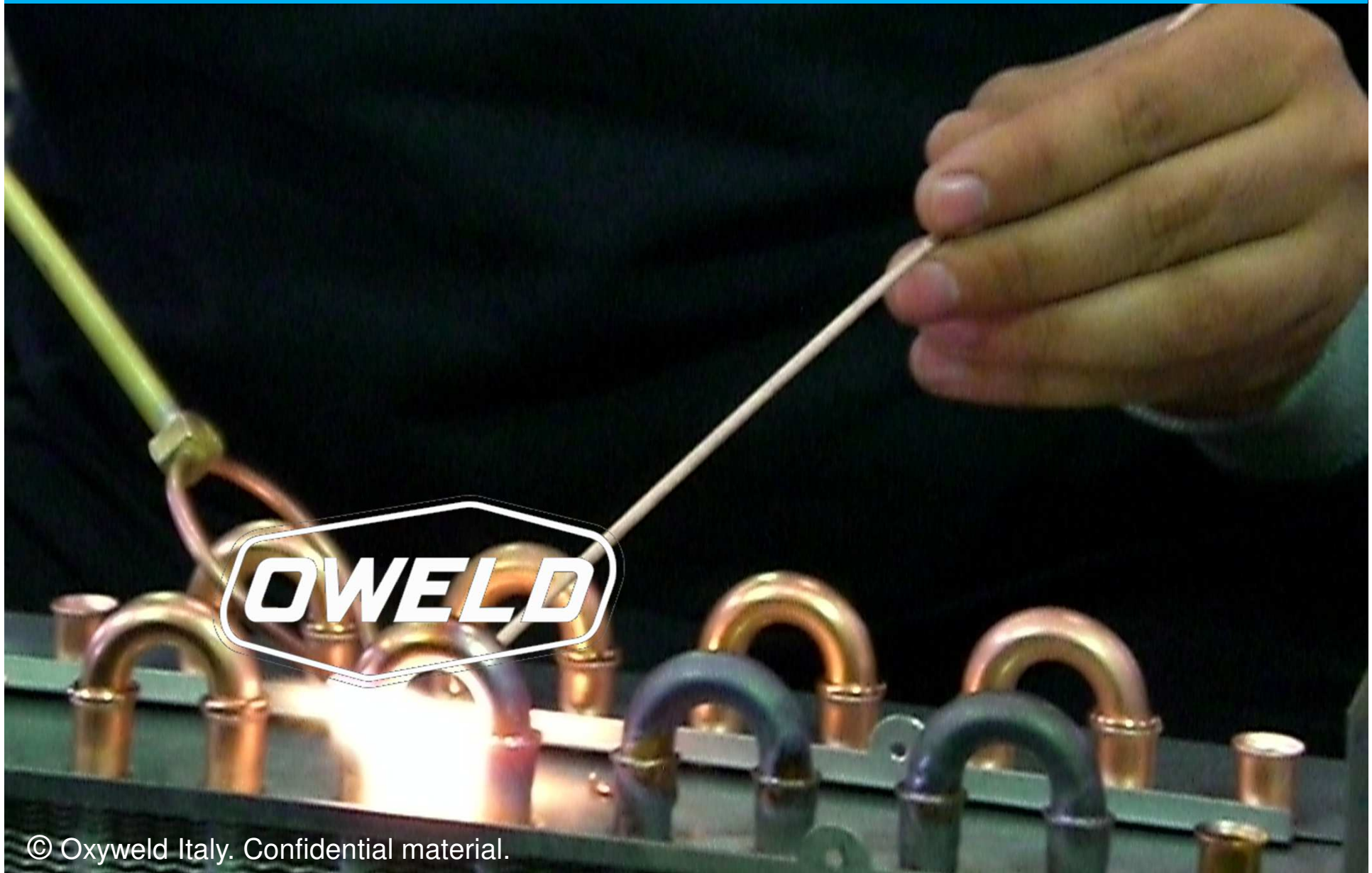


Copper to brass brazing





Heat exchanger brazing





Heat exchanger brazing





Aluminium to aluminium brazing





Pipe brazing





Pipe brazing



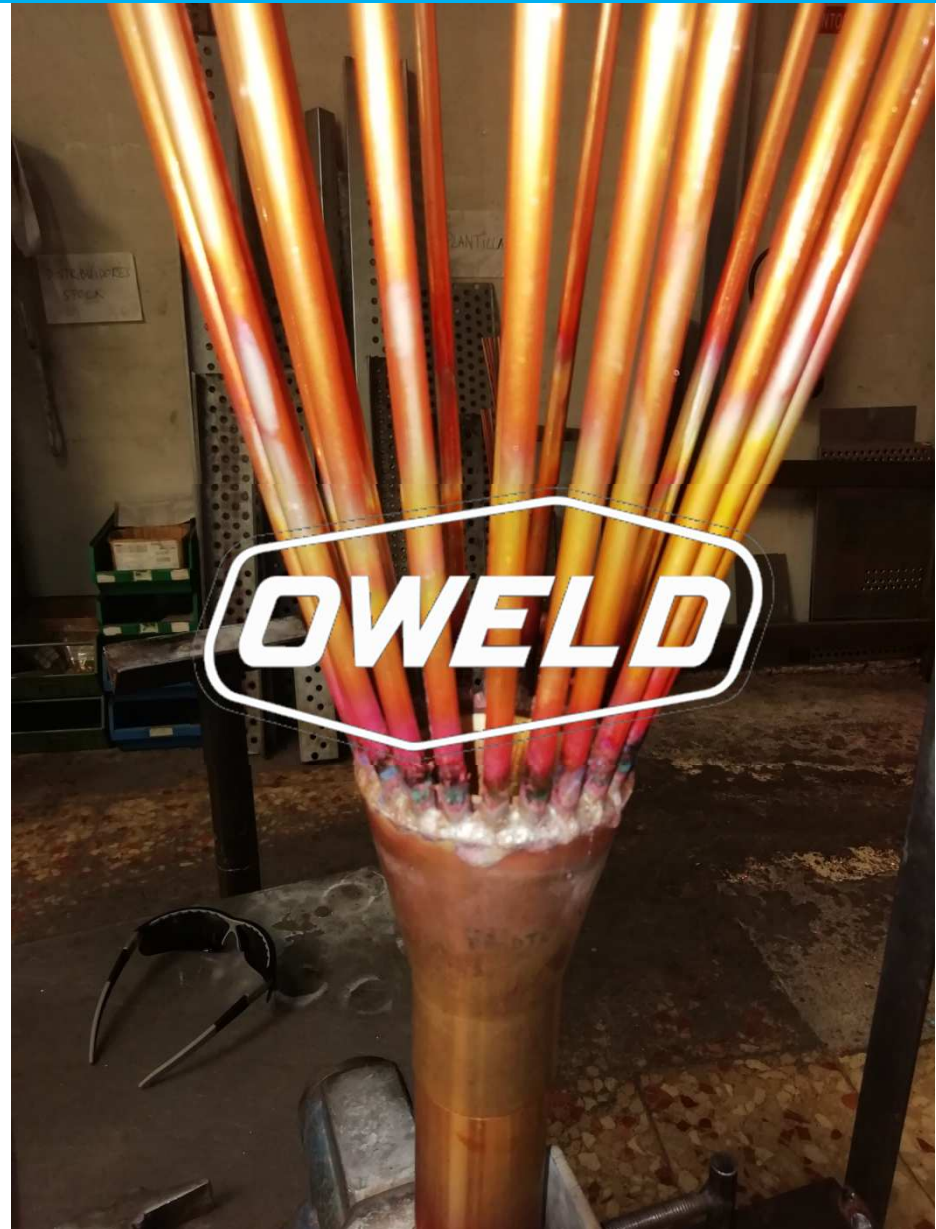


Pipe brazing





Pipe brazing





Some international references



EMERSON

Haier



...AND MANY OTHERS....

 Electrolux

gorenje



HUSSMANN®



FIND US
ON THE MAIN SOCIAL MEDIA



Thank you

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