



# Factsheet for welders

## Present status

Although **metal** occupations and **activities** are and remain to be so **important for economical development**, they are neither perceived as **high level occupations**, nor as activities contributing to the **preservation of natural livelihoods**

### Importance of metal sector

The metal sector remains fundamental for **transport, construction, industrial and technological development** as well as many other sectors.

### Importance of investing in skills development

**40%** of companies **cannot find a matching profile** in Europe

**55%** of welding operators **refuse the job**, because of **bad reputation**

**43%** of adult employees have recently experienced changes in the technologies they use at work

Upskilling and reskilling are expected after the introduction of the European Green Deal Policy

### Importance of individual protection devices

In order to prevent **short and long-term diseases and improve safety of welders**

### Welding industry is linked with raw material consumption

New products already contain in average **30% of recycled steel**

### The metal industry generates between 7% and 9% of emission

## Developments in welding sector

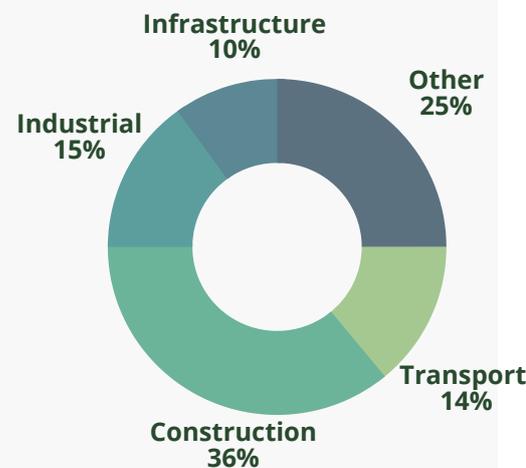
 **Employment** in skilled manual and elementary occupations are expected to **grow faster** than high-skilled occupations.

 In 2030 **employment in metal industry** will grow by **2.2%** thanks to **Circular economy action plan**

 In five years the usage of **welding robots** will grow by **8.91%**

 The female presence in the sector will grow by **30% in 3 years**

Importance of metal sector



The project CEMIVET aims to demonstrate the possibilities of the Circular Economy in the metal industry, in order to achieve the sustainable goals set by the EU

## Future: Circular Economy

- Raw material, such as **steel**, can be **recycled over and over again without losing their properties**.
- **Reduction of air pollution by 80%, water pollution by 76%, and water use by 40%.**
- **Reduction of material costs**
- **Optimization of raw material storage**
- Making **processes more efficient**
- Investing in **technological competences** of metal workers
- **Reduction of negative externalities**



## What CEMIVET offers to welders?

- Desmostration of **CE possibilities** regarding **metal working and manufacturing**
- **A better understanding** of the ongoing transformations and the way to apply **Circular Economy (CE)** effectively.
- Introducing **welding processes with less emission and lower impact on welders' health**
- Introduction of **new competences** and **broader career opportunities**



## Why do we need **changes?**

The EU is promoting the **transformation of the economic system into a CE system**

**The metal industry** generates between **7% and 9% of emissions**

Manufacturing and processing industries are **running out of raw materials**

Process with **lower impact on health**

Better **social recognition** of the welders and **growing employability**

## What is in welders' hands?

**Maximizing and striving to increase the percentage of resources recovery**

**Using recycled metals and reducing the amount of waste**

**Attending training courses** for employee up-skilling

**Using suitable health protection devices**

Source:

<https://european-welding.org/>

<https://www.euric-aisbl.eu/>

<https://www.cedefop.europa.eu/>

<https://worldsteel.org/>