



**RECUPERE
METALS.**

The **looming crisis** – A copper supply gap is coming...

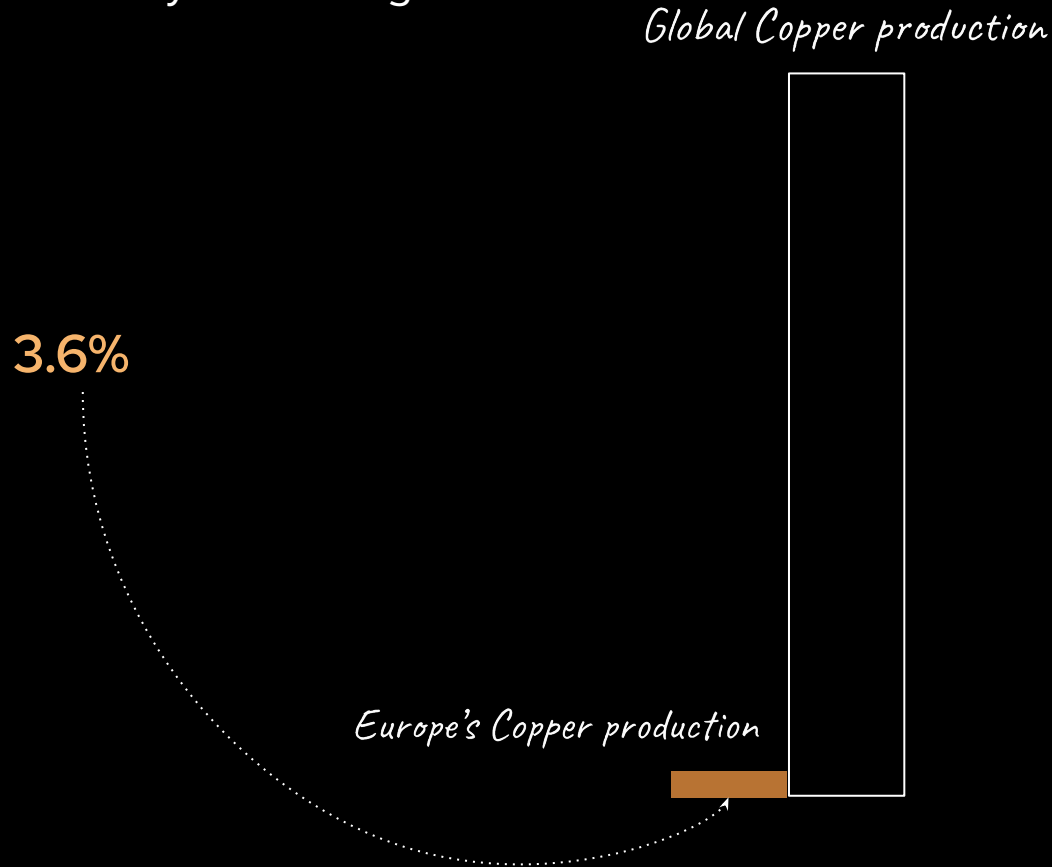


6.5Mt
Market value of deficit



> \$60bn
Projected deficit by 2035

& Europe & the West is **particularly exposed**, exacerbated by increasing demands



Recupere will re-establish
the West's domestic
copper supply.



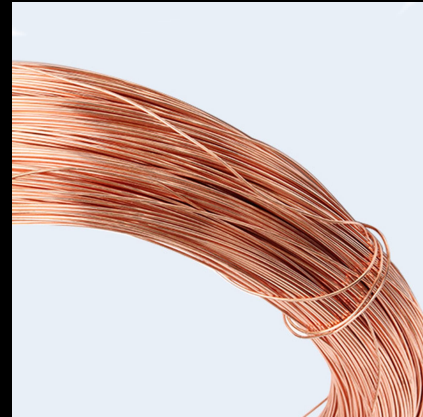
We will **rewire** the
copper industry:
Turning scrap
copper into
electrical wires.

We produce high value electrical wires at **price parity**

High-performance copper with conductivity and mechanical properties equivalent to Cu-ETP, requiring no retrofitting.

- 100% recycled European copper feedstock, ensuring sustainability and supply chain transparency.
- Ultra-low carbon footprint – 18× lower CO₂ emissions compared to primary copper.
- Available as finished and semi-finished products (enamelled wires, wires, and wire rods) for versatile industrial applications (see details on the next page)
- Diameter of products:
 - Wires: 0.8mm to 3mm (We are testing smaller diameters specifically with smaller players too)
 - Rods: 6-10mm

Our lab in Paris



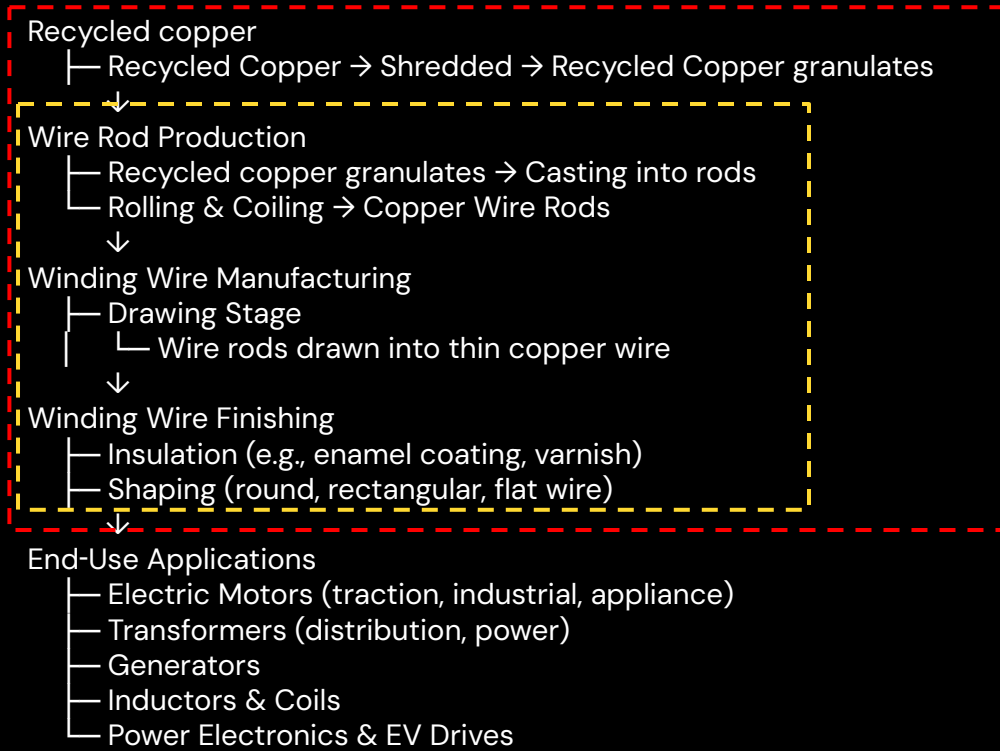
Recupere Metals will build a resilient domestic supply chain at price parity and lower emissions

Existing value chain & process ▼



New value chain & process ▲

Recupere Metals produces winding wires from **100% recycled copper**





Near term:

*Recupere sells winding wires made of 100% recycled copper. Round, square or flat diameters 0.8mm–1.6mm. 313m in length. *We can provide longer lengths post the initial testing period*

Long term:

Recupere will source copper scrap directly. We will then produce copper rods and copper wires to be sold directly to offtakers. Diameter 0.8mm–1.6mm (round, rectangular, flat) We will therefore create a closed loop feedback process, taking scrap directly from offtakers.

Short term 

Long term 

Summary of the **Samples** and **Products** we offer

Category	Performances	Samples <i>At lab scale</i>	Products <i>At industrial scale</i>
Enamelled wires	>99% IACS conductivity; yield strength > 200 MPa	3kg bobbins	500kg to 3t bobbins
Unenamelled Wires	>99% IACS conductivity; yield strength > 200 MPa	3kg bobbins	500kg to 3t bobbins
Wire rods	>99% IACS conductivity; yield strength > 200 MPa	3kg bobbins	500kg to 3t bobbins
High conductivity wires/wire rods	>101% IACS conductivity; yield strength > 200 MPa	3kg bobbins	500kg to 3t bobbins

At lab scale (for testing purposes), we produce finished and semi-finished copper samples, with performance comparable to Cu-ETP and a significantly lower environmental footprint (1/2)

Sample 1: Enameled winding wires

These enamelled wires are finished products. They will not be subject to subsequent forming steps.

Key characteristics:

- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Compatibility: Equivalent electrical and mechanical properties to Cu-ETP – no retrofitting required
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: Diameters from 0.9 mm to 2 mm for round wires
- Weight: 3 kg per bobbin
- Shape: Round and flat

Sample 2: Wires

Key characteristics:

- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Compatibility: Equivalent electrical and mechanical properties to Cu-ETP – no retrofitting required
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: Diameters from 0.9 mm to 2 mm
- Weight: 3 kg per bobbin
- Shape: Round and flat

At lab scale (for testing purposes), we produce finished and semi-finished copper samples, with performance comparable to Cu-ETP and a significantly lower environmental footprint (1/2)

Sample 3: Wire rods

Key characteristics:

- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Compatibility: Equivalent electrical and mechanical properties to Cu-ETP – no retrofitting required
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: 8 mm diameter
- Weight: 3 kg per bobbin
- Shape: Round and flat

Sample 4: High conductivity wires/wire rods

Key characteristics:

- Performance: >101% IACS conductivity; yield strength > 200 MPa
- Range: Diameters from 0.9 mm to 2 mm
- Weight: 3 kg per bobbin
- Shape: Round and flat

At industrial scale, we produce finished and semi-finished copper products, with performance comparable to Cu-ETP and a significantly lower environmental footprint (1/2)

Product 1: Enamelled wires (“winding wires”)

These enamelled wires are finished products. They will not be subject to subsequent forming steps.

Key characteristics:

- Standard: Fully compliant with IEC 60317
- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Compatibility: Equivalent electrical and mechanical properties to Cu-ETP – no retrofitting required
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: Diameters from 0.8 mm to 3 mm
- Shape: Round and flat

Product 2: Wires

Semi-finished products. These wires can undergo further processing, including insulation or flattening.

Key characteristics:

- Standard: Not EN 13602 compliant (due to composition), but matches Cu-ETP electrical and mechanical properties
- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: Diameters from 0.8 mm to 3 mm
- Shape: Round and flat (square profiles available upon request/testing)

At industrial scale, we produce finished and semi-finished copper products, with performance comparable to Cu-ETP and a significantly lower environmental footprint (2/2)

Product 3: Wire rods

These wire rods are semi-finished products. They can be subject to subsequent forming steps, such as insulation, cold-drawing or flattening. Note: To preserve enhanced conductivity, subsequent cold-drawing reduction must not exceed 20%.

Key characteristics:

- Standard: Not EN 13602 compliant (due to composition), but matches Cu-ETP electrical and mechanical properties
- Performance: >99% IACS conductivity; yield strength > 200 MPa
- Sustainability: 100% European recycled copper granules (99.5% Cu); 18× lower CO₂ emissions than primary copper
- Range: Diameters from 6 mm to 10 mm
- Shape: Round and flat

Product 4: High conductivity wires/wire rods

These products are made with Cu-ETP copper cathodes or 99.9% copper granulates. Using our conductivity enhancement process, Recupere can produce both insulated and uninsulated wires, as well as wire rods.

- Key characteristics:
- Standard: Specific
- Performance: >101% IACS conductivity; yield strength > 200 MPa
- Range: Diameters from 0.8 mm to 10 mm.
- Shape: Round and flat

A unique innovation: No one in the market can currently use **100% recycled scrap copper** as a feedstock to produce electrical wires.

No
mining.

No
Smelting.

Just
scrap
copper.

Join Us in Rewiring the Future

No mining.
No Smelting.
Just scrap copper.



katie@recupere-metals.com

Recupere will target high-value winding market

