

# Recovery Services

## Recovery of industry and precious metals contained in residues:

- ▶ Filter cakes and complex concentrates
- ▶ Catalysts (industrial and automotive)

Please ask us for a quote if you have access to the above mentioned products. We purchase CIF or FOB at major Western ports at competitive conditions.

## Individual and sustainable solutions for slightly radioactive contaminated residues:

- ▶ Decontamination of residues and secondary raw material
- ▶ Focus is on NORM residues with inherent value as contained metals or minerals
- ▶ tailor made solutions superior to interim or long-term storage



# Metal & Alloys

## Base Metals

Copper, Nickel, Tin, Lead, Zink – we trade LME base metals in various forms. This includes out of spec ingots, wire, scrap alloys, semi-finished parts and many more forms.



## Minor Metals

Focus is on concentrates, scraps or complex alloys containing e.g. Tungsten (W), Vanadium (V), Molybdenum (Mo), Cobalt (Co) and Antimony (Sb).

## Specialty Metals

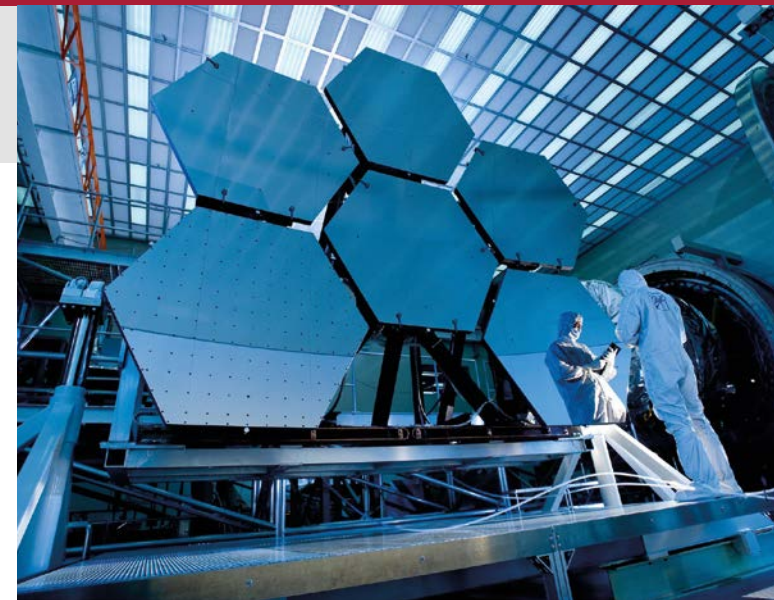
We buy and sell specialty metals like Niobium (Nb), Tantalum (Ta), Beryllium (Be), Rhenium (Re) in various forms.

## Beryllium & Scandium Master Alloys



Together with our industry partners we offer tailor made copper or aluminium based master alloys in the form of ingots or rods of different size and shape.

Typical examples are  $AlBe_5$ ,  $CuBe_{10}$  or  $AlSc_2$ . Other compositions can be produced in line with customer requirements.



# CAMEX

INDUSTRIAL SERVICES & SOLUTIONS

CAMEX GmbH  
Magnolienweg 12  
D-63741 Aschaffenburg

+49 (0) 6021 456 77 79  
mail@camex-germany.de  
www.camex-germany.de

# Cenospheres



## CAMEX

- ▶ is a REACH registered supplier of high quality cenospheres to the EU, US and Asia.
- ▶ is sourcing its raw material with its long-term partners exclusively. Focus is on quality and sustainable sourcing strategies.
- ▶ runs two production sites: the main hub is a processing and re-packing facility located in the proximity of Berlin; a further facility is located at Kaymaz, Turkey, mainly serving regional customers.
- ▶ has established a stringent quality management („QM“) for all its operations.
- ▶ has established its trademark CAM-SPHERES in many EU-countries and beyond. Emphasis is on security of supplies for the following lead grades:

- CAM-XG** white, exclusive spheres with superior parameters
- CAM-HG** off-white, HQ spheres with excellent parameters
- CAM-FGR** fine grain reduced spheres (XG & SG) for specific applications
- CAM-SG** standard grade for less demanding applications

## Available Grades & Fractions CAM-Spheres

μ	HG-A	HG	XG	SG	HG-FGR	XG-FGR
1200				x		
900				x		
500		x	x	x		x
300	x	x	x	x	x	x
150		x	x	x		x
125		x	x			
100			x			



Cenospheres 80x scaled up

## Specifications and properties:

Cenospheres are inert, hollow spheres consisting of silica and alumina, filled with gas (mostly carbon dioxide and/or nitrogen). It is a by-product of coal combustion with thermal power plants.

Our cenosphere show the following key features:

- ▶ colour: grey to almost white
- ▶ bulk density: 0.35 – 0.45 g/cm<sup>3</sup>
- ▶ specific gravity: 0.6 – 0.9 g/cm<sup>3</sup>
- ▶ humidity: < 0.3 %
- ▶ Al<sub>2</sub>O<sub>3</sub> > 30 %
- ▶ SiO<sub>2</sub> > 55 %
- ▶ melting point: > 1400 °C

Cenospheres reduce product weight, assure low thermal conductivity, boost fluidity and increase temperature resistance (> 1400°C).

Typical applications are construction, isolating compounds, sandwich and fireboard wall panels, polymers and plastics.

