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# CAMEX GmbH

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GENERAL COMPANY PRESENTATION – JULY 2022

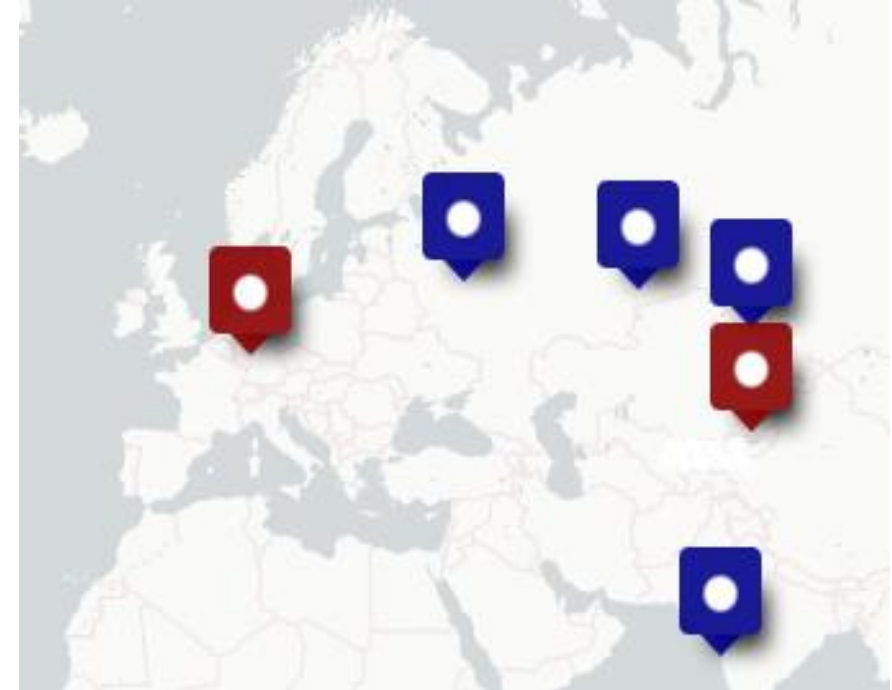
# Cenospheres / 1

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## I. Supply

Cooperation with leading producers with direct access to HQ lagoons:

- **Kazakhstan:** 2 producers totalling > 20.000 mT combined output
- **Russia:** 2 producers totalling > 15.000 mT combined output
- **India:** 1 producer totalling > 8.000 mT output

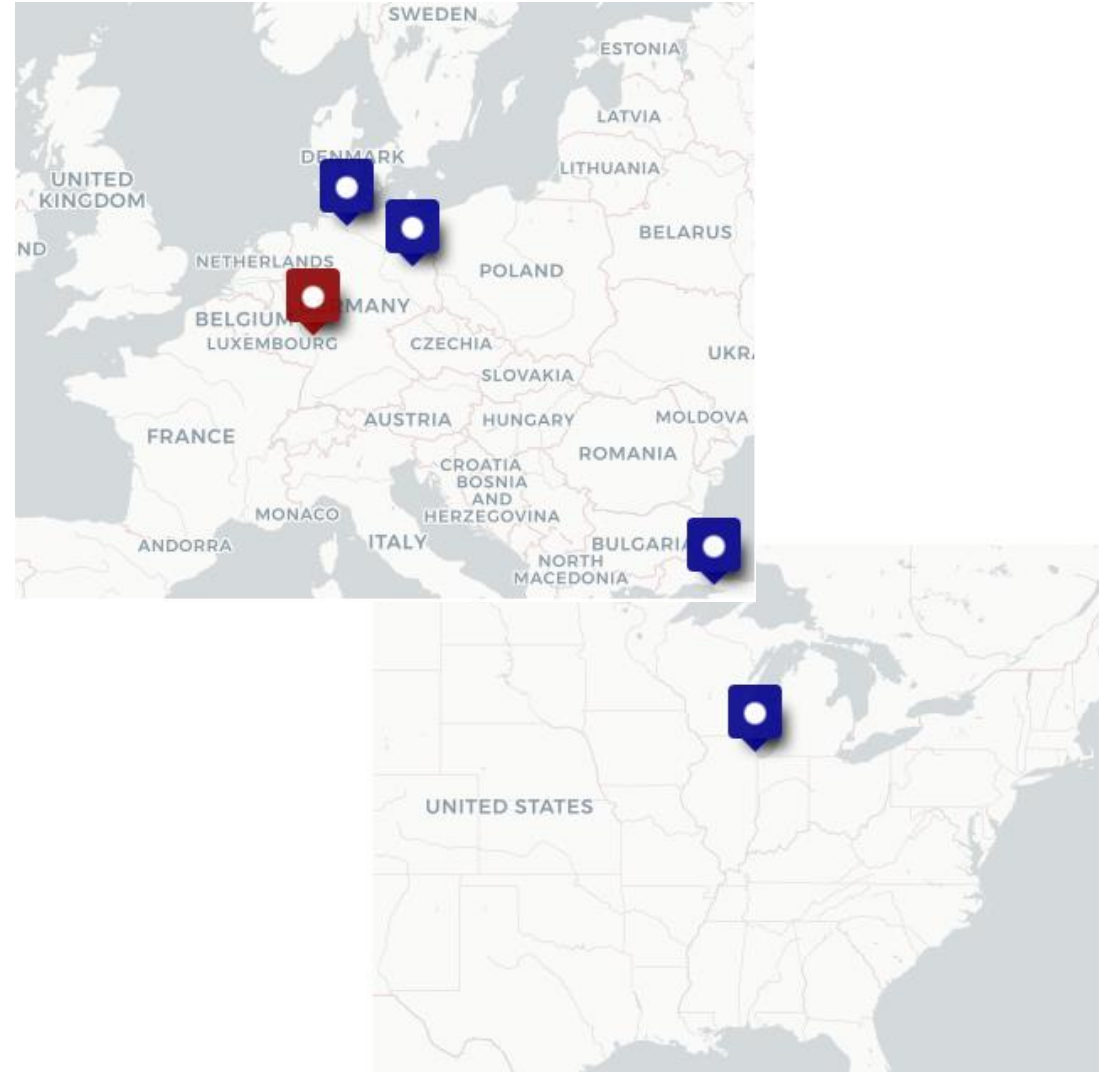


# Cenospheres / 2

## II. Storage, Processing, Packaging (1)

Facilities in EMEA und USA

- **DE / Rangsdorf:** storage, sieving, processing, analyses, packaging (in cooperation with OOPT GmbH)
- **DE / Hamburg:** bonded warehouse near Container Terminal Hamburg (Imperial Chemical Logistics GmbH)
- **TR / Kaymaz:** storage, sieving, processing, analyses, packaging (in cooperation with Elmin A.S.)
- **USA / Carol Stream:** consignment stock with Redwood Logistics



# Cenospheres / 3

## II. Storage, Processing, Packaging (2)



Incoming material receipt and control



Processing according to customer specifications



Storage of BB and PB on Pallets

# Cenospheres / 4

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## III. Product range (1)

- HG / XG / SG / FGR / Super Size
- 100 / 125 / 150 / 300 / 500 / 900 / 1200 $\mu$
- grey to almost white color (L-value ~ 75)
- bulk density 0.35 – 0.45 g/cm<sup>3</sup>
- specific gravity 0.70 – 0.90 g/cm<sup>3</sup>
- humidity < 0.3 %
- Al<sub>2</sub>O<sub>3</sub> > 32 %
- SiO<sub>2</sub> > 55 %





# Cenospheres / 5

## III. Product Range (2) - Matrix Grades & Fractions

$\mu$	HG-A	HG	XG	SG	HG-FGR	XG-FGR	FGR-EXP
1200				X			
900				X			
500		X	X	X		X	X
300	X	X	X	X	X	X	X
150		X	X	X		X	
125		X	X				
100			X				



# Cenospheres / 6

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## IV. Target Markets

Longterm contracts with leading distributors and endusers  
in the EU and the US

- Sieving and treatment in compliance with client specifications
- White / individual labelling service
- Palettizing and packaging
- Delivery FOB/CIF container, truck, ocean vessel or FCA/EXW
- Storage of cargo with OOPT upon request



# Cenospheres / 10

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## VI. Transport Issues since March 2022 (1)

### A) Road Transport (Truck & Rail)

#### 1. Missing RF & BR Forwarders

- Challenge to find replacement forwarders
- Establish new routes w/o RF territory transit

#### 2. Missing Eastbound Cargo

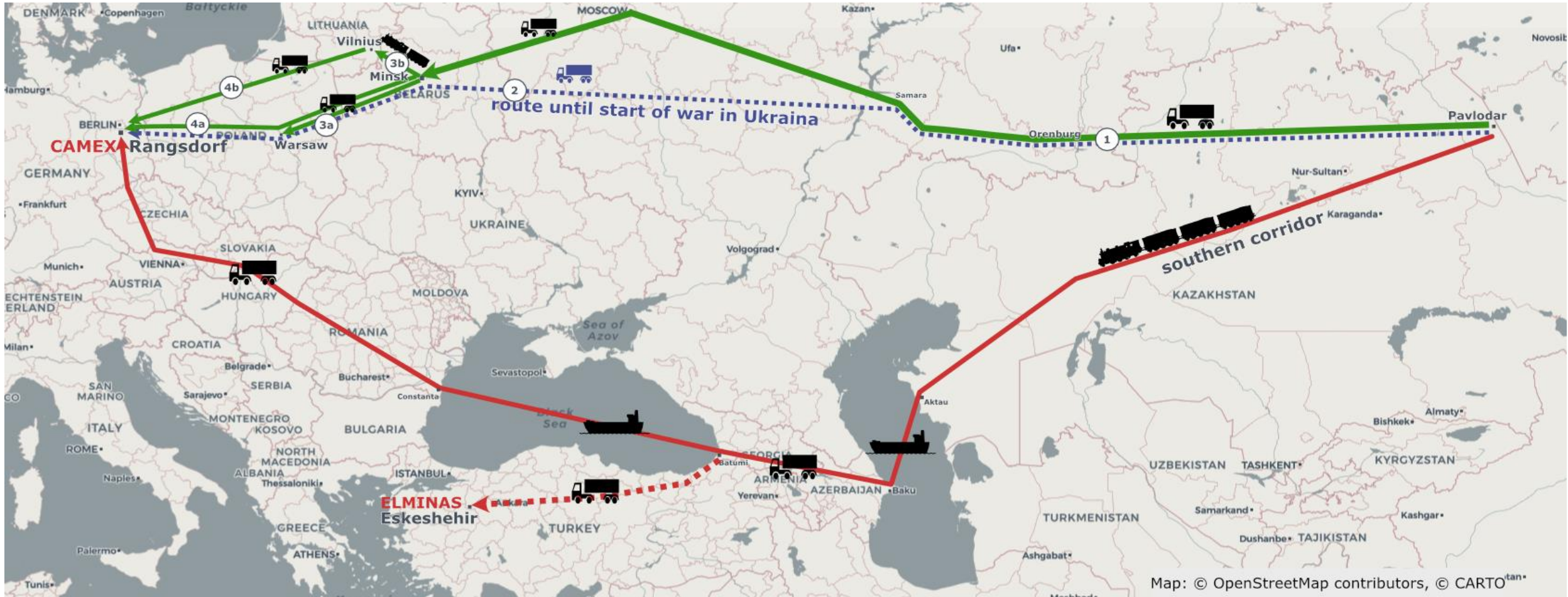
- Forwarders find no or little cargo West-East
- Try to charge for westbound cargo double
- Price has been €2000, now €6000-7000€ ex Kz





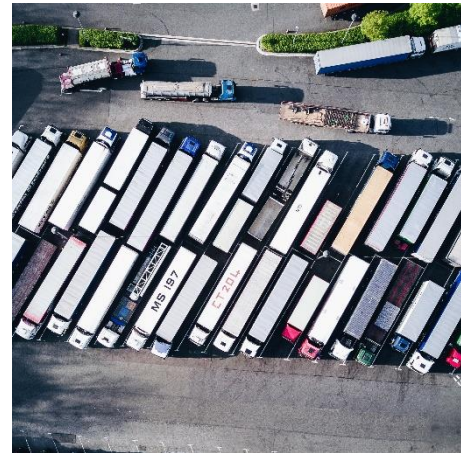
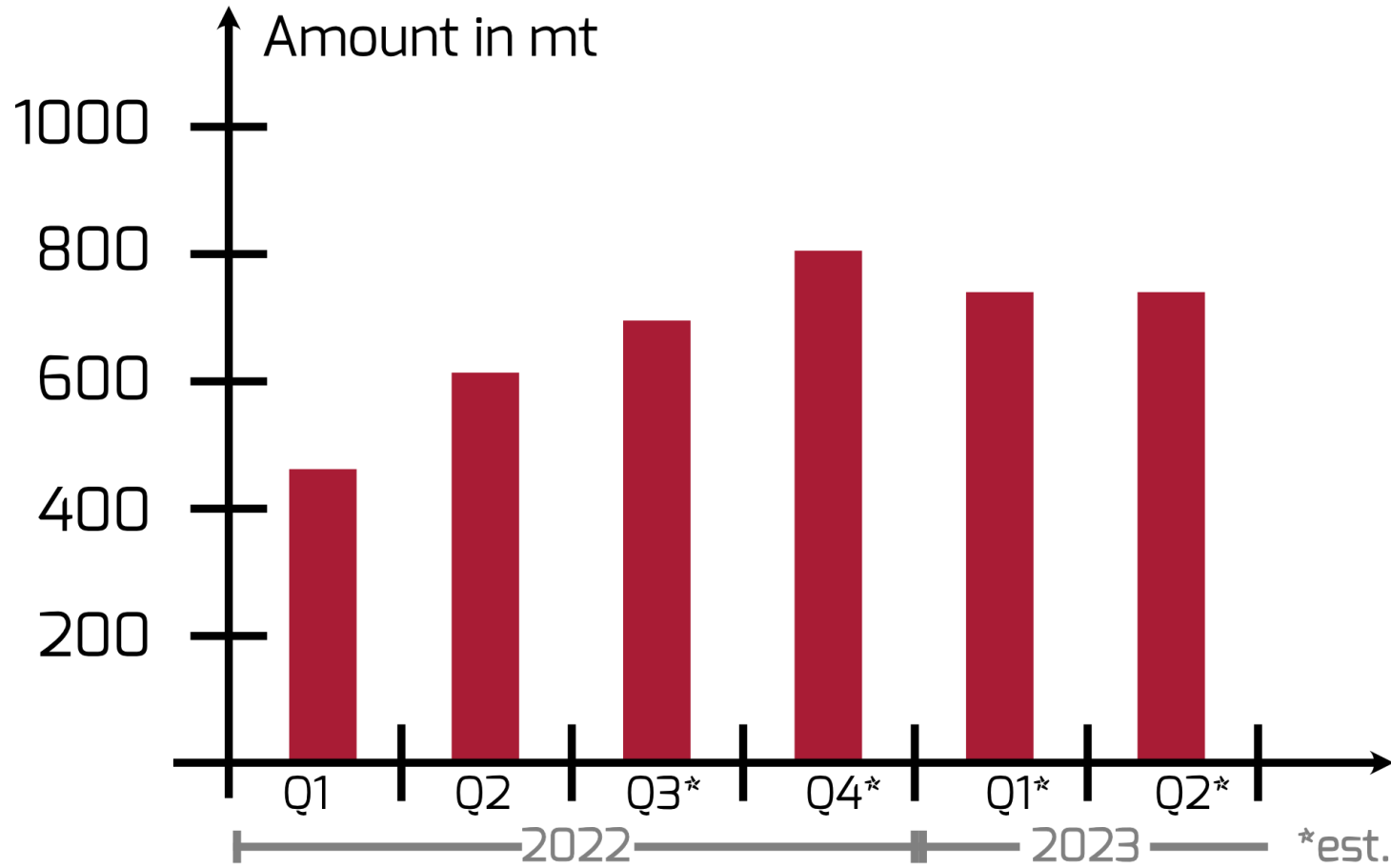
# Cenospheres / 12

## VI. Transport Issues since March 2022 (3)



# Cenospheres / 13

## VII. Sales per Quarter in mt Delivered to Customer



# Metals & Alloys / 1

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## I. Industrial and strategic metals

- Specialty metals, straight, alloys (Be, Ta, Nb, Sc)
- Industrial metals (Md, V, Sb, Co)
- Concentrates and production residues

## II. Master Alloys

- $\text{AlBe}_5$  and  $\text{AlBe}_{10}$
- $\text{AlSc}_2$ ,  $\text{ScF}_3$ , Scandium Flux on Na & K base





# Metals & Alloys / 2

## III. TREO und REO (Rare Earth Oxides)

- Cooperation with Kazhakh producer of TREO & Scandium for further separation to REO in China
- High concentration of Nd, Pm, Dy, Tb, Lu
- CAMEX GmbH is accredited agent for ThyssenKrupp



# Metals & Alloys / 3

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## IV. Other

### 1. Mn as EMM & HPMSM (battery grade Mn metal and sulfate)

- Representing Kazhak prime producer in ramp-up phase
- Scheduled output – 8T mt in 2023, 30T mt in 2024, upgrade to 50T mt
- Own resources, high tech installation, extensive know-how
- Strategic partners required through longterm off-take agreements

### 2. Recovery and Decontamination

- Recovery of metals from radioactively contaminated materials (‘NORM’ only)
- Exsamples e g Columbite, Tantalite and Monazite tailings
- Cooperation with licensed plants in Kazhakstan (permission for handling nuclear material and access to settling basins)



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**Thank you very much  
for your attention**

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