

# SINAR MAS CEPSA

A JOINT VENTURE BETWEEN CEPSA AND GAR FOR A GLOBAL OLEO-BASED SURFACTANTS SUPPLIER



- GAR, a leading agribusiness and food company, is part of the Sinar Mas consortium of businesses.
- One of the world's largest palm oil producers, #1 in Indonesia.
- Leading sustainably certified palm oil producer.
- Significant presence in Asia with operations in Indonesia, China and India.



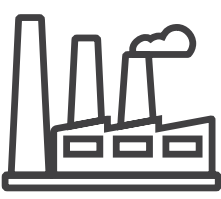
- #1 LAB producer worldwide.
- International, integrated and diversified chemicals portfolio.
- Technological leadership.
- Focused on Western world.
- A fully owned Mubadala Investment Company.

## THE MANUFACTURING PROCESS

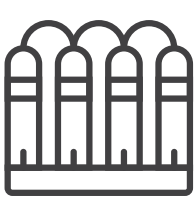


PALM KERNELS

From plantations with Roundtable for Sustainable Palm Oil (RSPO) certification

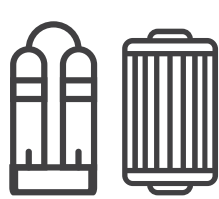


CRUDE PALM KERNEL OIL



INDONESIA PLANT

Fatty Alcohols



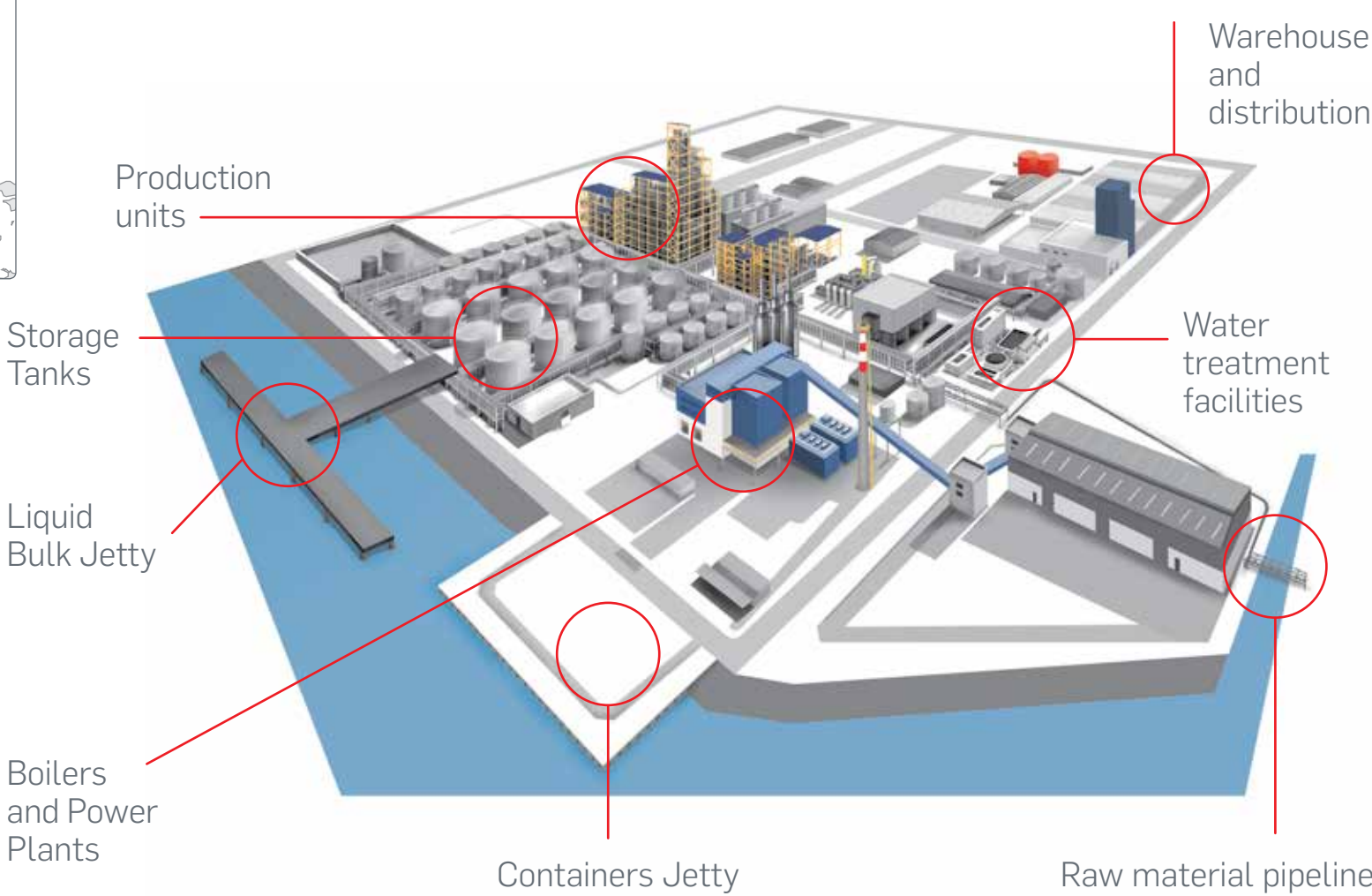
GERMANY PLANT

Surfactants

## TWO PLANTS STRATEGICALLY LOCATED FOR A GLOBAL MARKET



INDONESIA PLANT

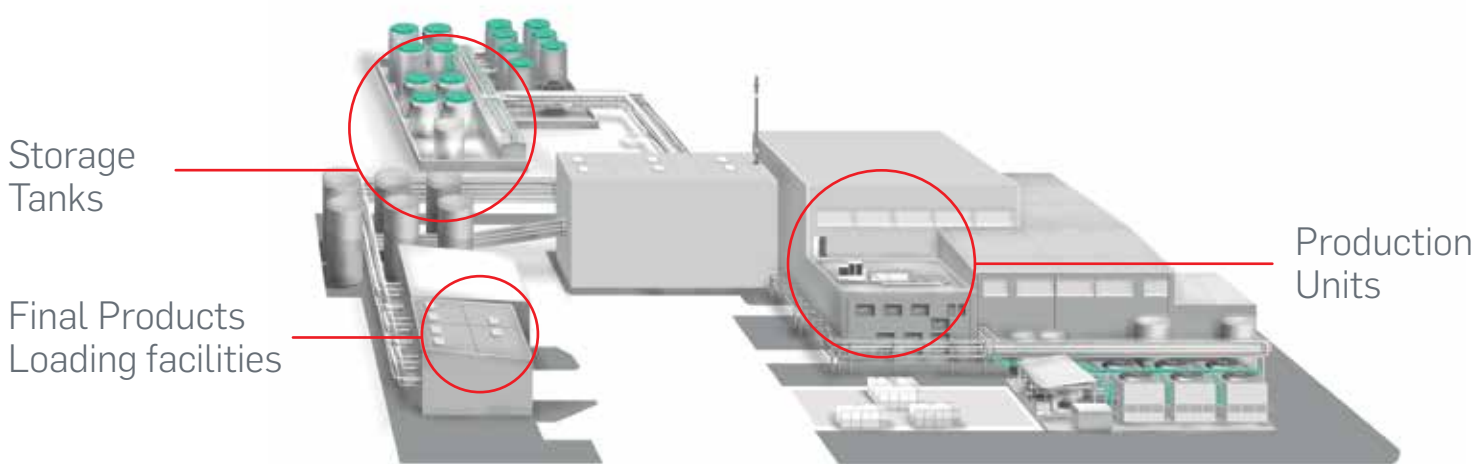


### Key facts for Indonesia plant

- Location: Dumai, Sumatra.
- Plot: 22 hectares.
- 8.5 million construction direct man-hours.
- Steel structure: 6,814 MT.
- Capacity: 160,000 MT/YR Fatty Alcohols.
- Main markets: Asia, Europe, Middle East.
- Stand-alone plant.



GERMANY PLANT



### Key facts for Germany plant

- Location: Genthin, Germany. Strategic location for Central and Eastern Europe.
- Capacity: 100,000 MT/yr of surfactants.
- Plant flexibility: able to produce Surfactants from both main intermediates LAB and Fatty Alcohols.

## FINAL APPLICATIONS FOR OUR PRODUCTS

### COSMETICS



CREAMS, PERSONAL CARE PRODUCTS.



### HYGIENE



SHAMPOOS, GELS, TOOTHPASTE.



### DETERGENTS



DETERGENTS, DISHWASHING, CLEANING PRODUCTS.



### OTHER APPLICATIONS



PLASTICS, GREASES & LUBES, ADHESIVES, CANDLES, WAXES, AGROCHEMICALS, FRAGRANCES & FLAVORS.



sinar mas



CEPSA