



# EVAPORATION AND CRYSTALLIZATION PLANTS

## Solutions of evaporation and crystallization plants

KERN S & D S.L. designs and supplies customized evaporation and crystallization plants, which can be structured as units assembled on "skids" or installed "in situ".

For the industry of:

- Chlorine
  - Concentration of soda from membrane and/or diaphragm cells
- Salt
  - Brine concentration and salt crystallization
- Crystallization of sodium carbonate, sodium, ammonium, potassium and magnesium sulphates
- Sodium and potassium chloride
- Concentration of phosphoric acid and phosphates
- Concentration of organic acids
- Sugar
- ...



HIGH RELIABILITY



MODULAR AND SCALABLE



EASY TO MAINTAIN



ECONOMIC SAVING (Low operating and maintenance costs)



AUTOMATIC CONTROL



HIGH ENERGY EFFICIENCY



SAFE OPERATION



SIGNIFICANT REDUCTION in the associated risks of storage, handling and road transport



NO ENVIRONMENTAL IMPACT

## Tecnology

KERN S & D, designs the evaporation and crystallization plants to meet customer specifications, in terms of: purity, particle size, density, .... minimizing investment and operation and maintenance costs.

Crystallizers type FC – DTB – OSLO – IFC.

## Uses

The evaporation and crystallization plants are used when the concentration must be increased or the volume reduced, when the water or other solvent must be removed in a process, when it is necessary to precipitate and eliminate the impurities and by-products in a process or to produce pure crystals of great value.