

UTILIZATION OF EVAPORATION PLANTS MOTHER LIQUOR, NATURAL BRINES AND BITTERN

Raw materials:

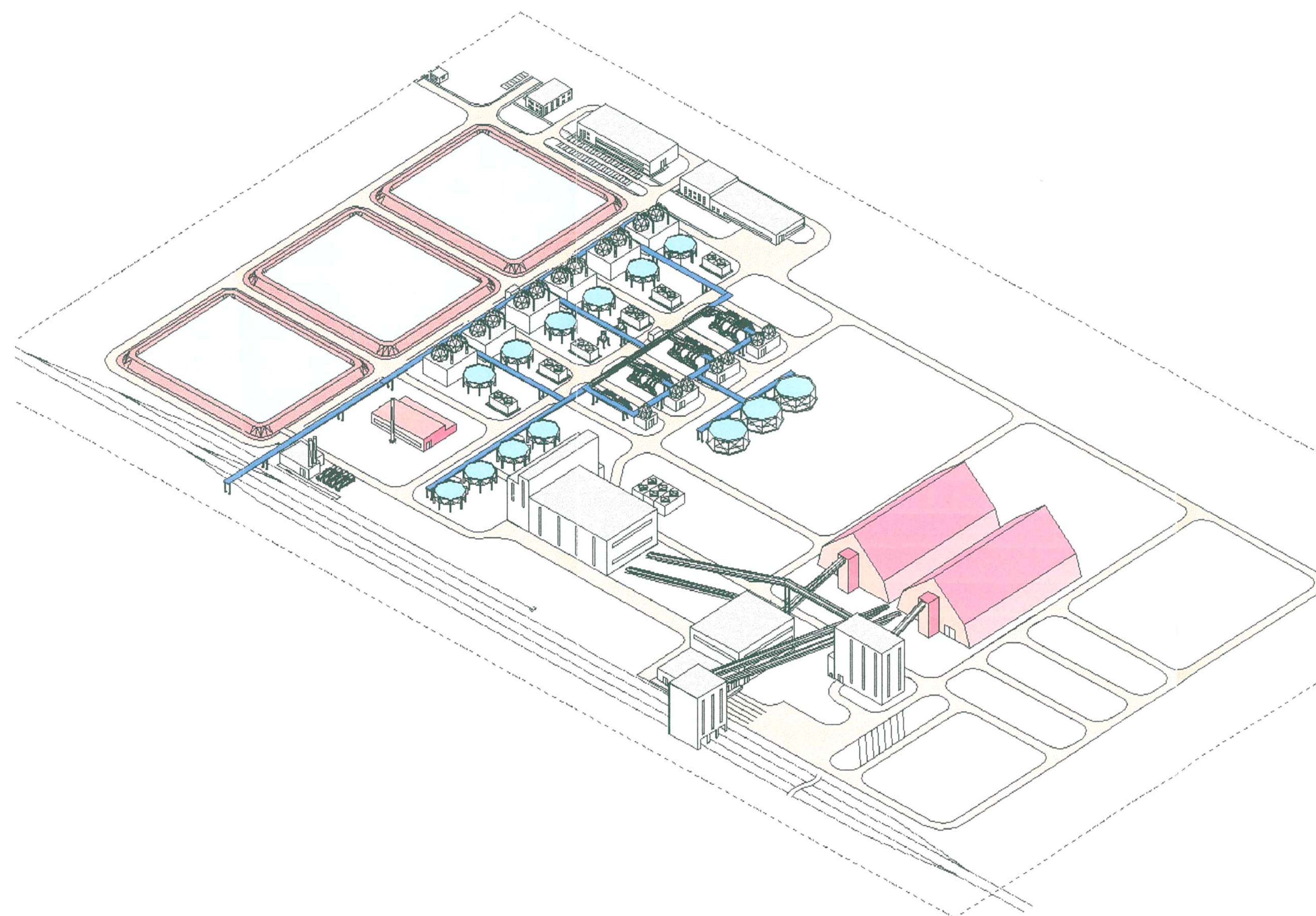
- Solutions with main components Na, K, Li, Mg, Ca, Cl, SO₄, H₂O and other components such as NO₃, BO₃, Li, Br, J from natural lakes brines or technical processes solutions
- Brines from solution mining

Products:

- KCl, K₂SO₄, Na₂SO₄, MgCl₂ · 6 H₂O, MgSO₄ · 7 H₂O, CaCl₂ · x H₂O, NaNO₃, KNO₃, H₃BO₃, LiCl, Br₂, J₂

Process:

- 1st. Stage: Evaporation with crystallization of NaCl
- 2nd. Stage: Evaporation and cooling with production of salts of potassium, sodium and Magnesium
- 3rd. Stage: Conversion of double salts to sales products (KCl, K₂SO₄, Na₂SO₄)
- 4th. Stage: Processing of final solution for Extraction of magnesium components, as well as Bromine, Iodine, and Boron-, Lithium- and Nitrate-components



3D representation

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