

Sodium Carbonate and Bicarbonate Mining and Production Plant

Ankara, Turkey



Kazan Soda Maden Enerji Nakliyat Sanayi Ve Tic A.Ş. A.Ş (Kazan Soda) is owned by Ciner Holding one of the largest Turkish conglomerate groups. This greenfield project involves the construction of a new Dense Soda Ash and Sodium Bicarbonate Process Plant in the Kazan Province of Turkey, approximately 35 km North-West of Ankara. The project will use solution mining to extract the ore. Ciner Holding owns the mining license for the Natural Trona Mine Area.

The Soda Ash (Sodium Carbonate) and Sodium Bicarbonate Process Plant Facility will have a net production capacity of 5 x 500 000 tpy of Dense Soda Ash and 2 x 100 000 tpy of Sodium Bicarbonate. The necessary thermal and electrical power shall be provided from a natural gas fired cogeneration power plant.

NOVOPRO was engaged by Kazan Soda as owner's engineer for both the development and implementation stages of the project. During the engineering development stage, Novopro's role included process optimization and design work with the development of the ELDM (Evaporation, Lime addition, Dehydrate crystallization and Monohydrate Crystallization) process including stripping, caustic generation, drying, loadout and tailings management. As part of the implementation stages, Novopro was responsible for preparation of the EPC packages for complete supply of the solution mining and processing facility.

CLIENT

Kazan Soda

LOCATION

Ankara, Turkey

YEAR(S)

2011 to 2014

PHASE

- Process Design
- Owner's Engineer
- Preparation of EPC Package
- Construction Supervision

Kazan
SODA ELEKTRİK