

Salt Partners

Salt Partners Ltd.
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Salt Partners are advising on salt production from seawater desalination reject

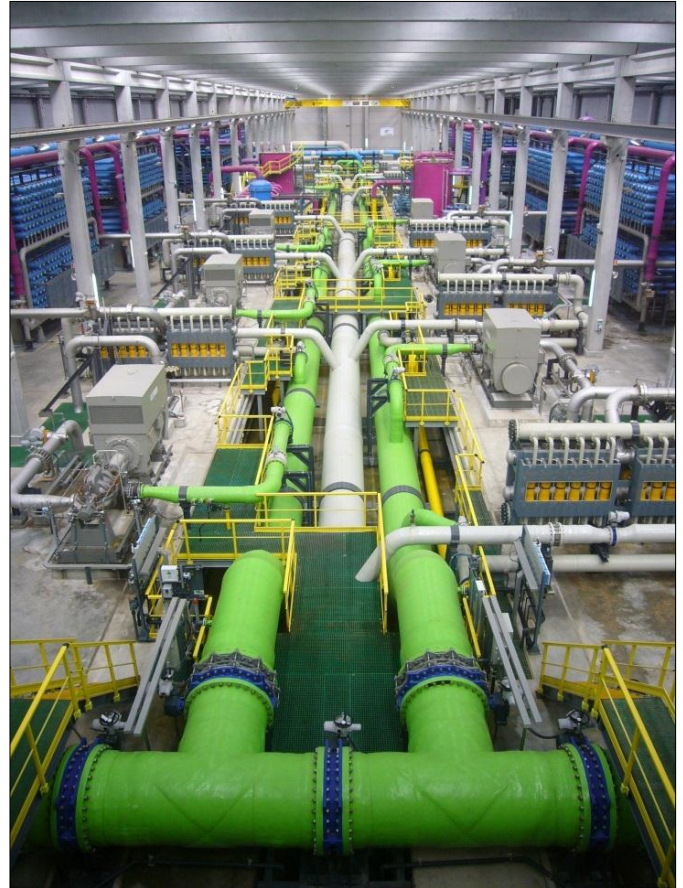
When drinking water is produced from seawater by desalination, only about a half of the available water is recovered. The rest, the concentrated seawater, or the so called “reject”, is discarded. Returning the reject back to the sea is being frequently objected to by local environmentalists. The reject contains about twice as much salt as the original seawater. Under special circumstances, when water and salt are expensive and low cost energy is available, production of salt and additional water from the reject is economical.

A major global corporation is implementing a large industrial project with generation of electricity in a thermal power station. Water at site is scarce and the project water requirements will be covered by desalination of seawater. Low value surplus energy will be available and can be utilised for production of salt. Also solar energy can be used for brine evaporation. Rapidly growing demand for high purity vacuum salt and access to the major markets from the project location promise attractive prices.

Salt Partners were appointed as consultants to advise on all aspects of salt production. Salt Partners will examine the economy of the project when employing alternative technologies, such as:

- Solar evaporation
- Flash evaporation
- Electrodialysis
- Multiple effect evaporation
- Mechanical or thermal vapour recompression, etc.

The Salt Partners’ assignment includes conceptual design, call for budgetary tenders, evaluation of offers, salt market assessment and a financial model showing capital expenditure, operating and financing cost, profitability of the available options and sensitivity to changing conditions. Environmental and social aspects will be also examined. In the implementation stage, Salt Partners will support the client in preparation of contracts and provide the related tendering and project execution services.



Seawater reverse osmosis desalination plant

GRELLIER

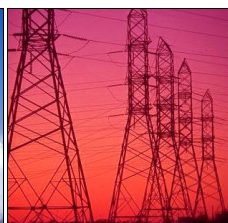
Salt Partners are independent consultants and engineers active in the field of salt and chloralkali production, salt processing and hypersaline biotechnology. Salt Partners’ worldwide reputation is based on more than 30 years of experience gained in projects implemented worldwide.

For further information contact:

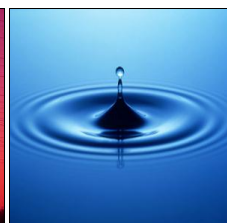
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TVA



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