

Reference Description Sampang

NaCl Drying/Cooling Plant

1 x DDC 5200/3600



General

In 1998, a contract was awarded to ANDRITZ by Sulzer Escher-Wyss Winterthur/Switzerland for the final client P.T. Graham Ltd, one of the salt producers in Indonesia. The plant is located at Sampang, Indonesia.

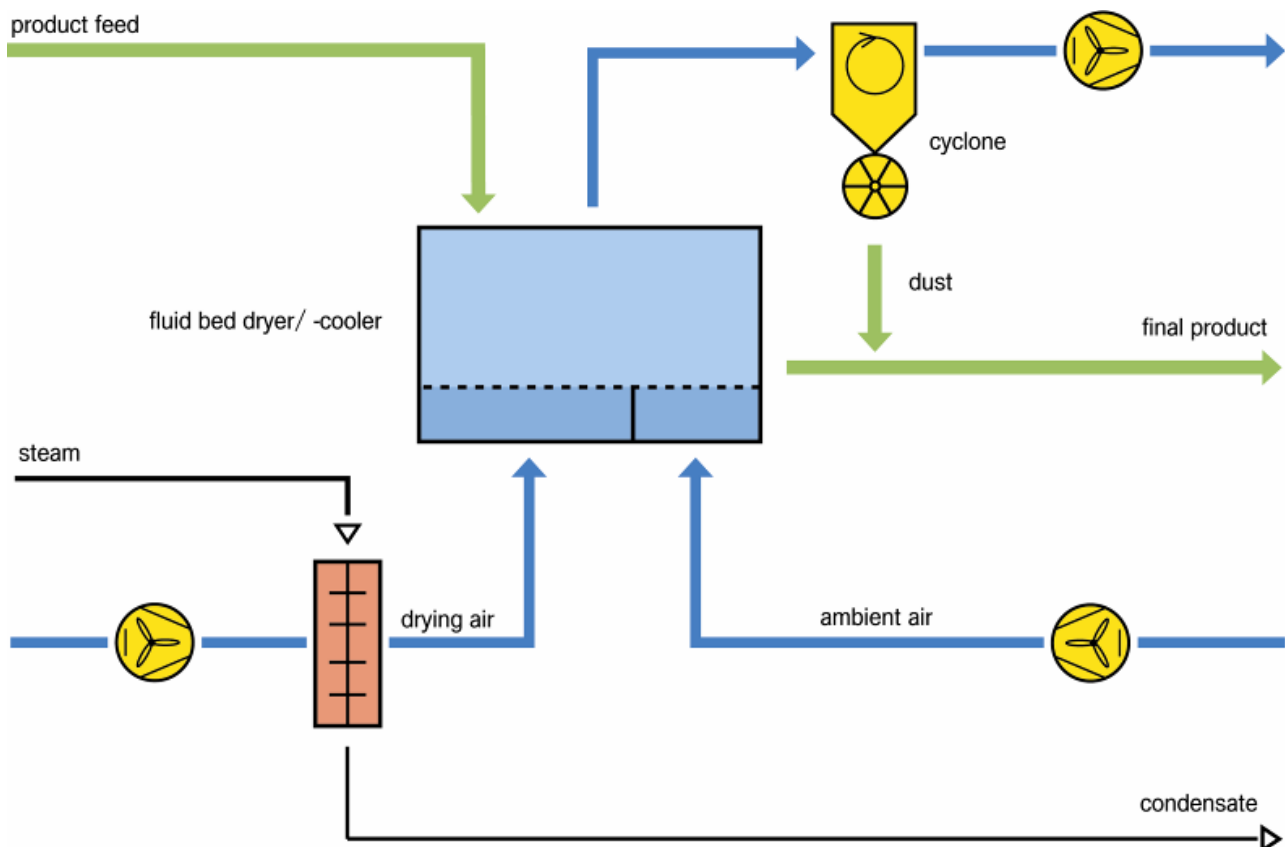
The plant is designed for a dry NaCl throughput of 15,000 kg/hr processed within 8,000 hours/year.

The plant comprises

- NaCl Fluid Bed Dryer/Cooler
- Intake Air Installation (Filtration, Compressing and Heating)
- Exhaust Air Installation (Two stage cleaning with cyclone and wet scrubber, compressing)
- Field Instrumentation
- Interconnecting Air Ducting

As drying system supplier, ANDRITZ was responsible for the design, manufacturing and delivery of the related equipment including services for plant installation, commissioning, testing and take-over periods.

PFD of NaCl Drying/Cooling System



The plant provides for the drying and cooling of NaCl generated in the crystallization reactors and dewatered in pusher centrifuges.

The wet NaCl is fed directly to the product receiving zone of the fluid bed dryer/cooler. The dryer works with pure convective drying and cooling.

The drying and the cooling stage has its own filtration and compressing equipment included in the intake air installation with individual air heating for the drying air.

After leaving the fluid bed dryer the exhaust air is cleaned by cyclone and wet scrubber dedusting system before it is conveyed to the ambient.