

Reference Description Kerteh

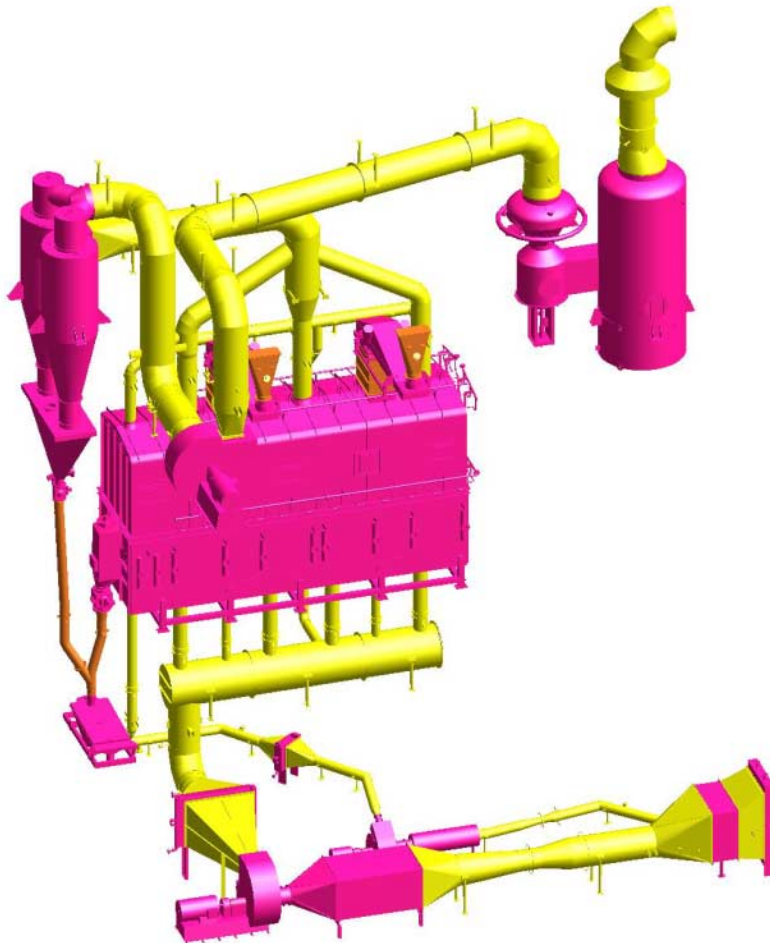
PVC Drying Plant

1 x HDC 5200/3600



General

In 1999, a contract was awarded to ANDRITZ by Petronas, the leading petrochemical company in Malaysia. The plant is located at Kerteh, Terengganu, Malaysia.



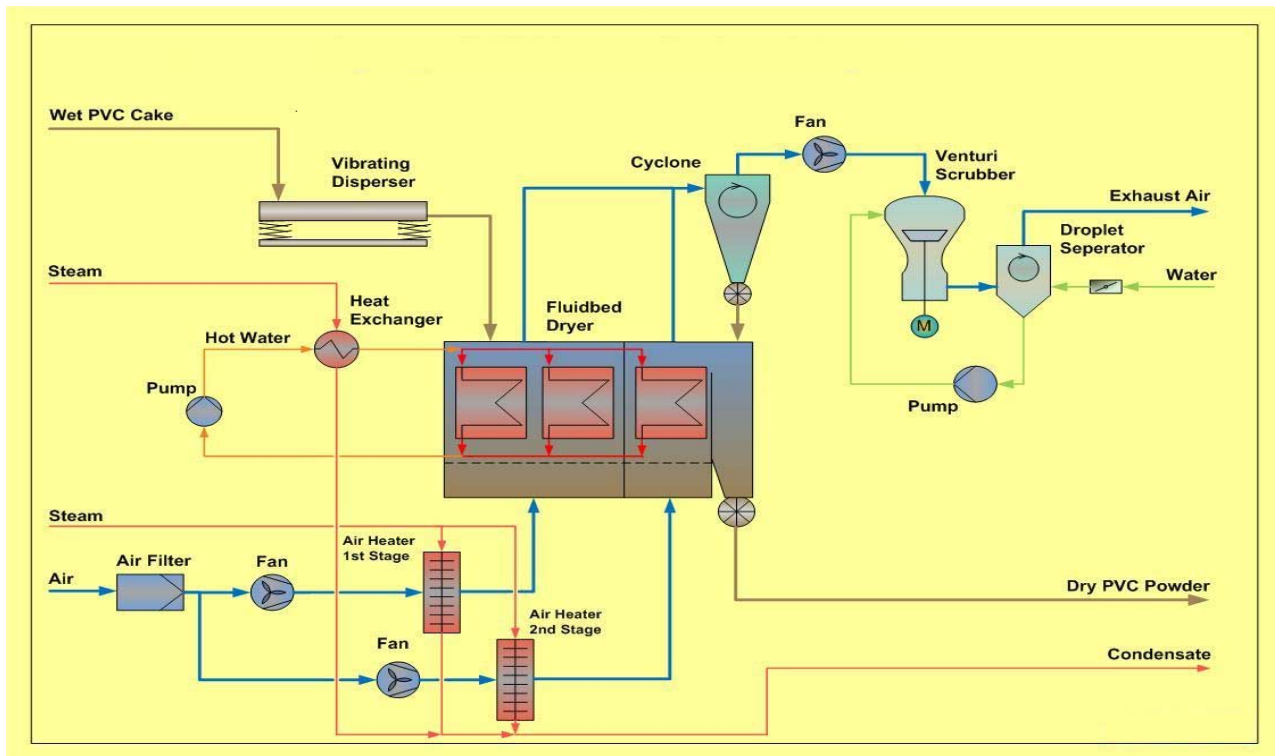
The plant is designed for a dry PVC throughput of 22,000 kg/hr processed within 8,000 hours/year.

The plant comprises

- PVC Fluid Bed Dryer
- Wet PVC feeding system
- 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 PVC Drying System



The plant provides for the drying of PVC generated in the polymerization reactors and dewatered in decanter centrifuges.

The wet PVC cake is fed by two vibrating conveyors to the product receiving zones of the fluid bed dryer. The dryer works with double stage drying process with incorporated hot water heated heat exchangers in the fluidized layer, first as back-mixing and second as plug-flow drying process. Each drying stage has its own compressing and heating equipment included in the intake air installation with common air filter.

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.