

SCHMIDT + CLEMENS , SENDAYAN TECH VALLEY

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Application range

Industrial

Type

Reference, Showcase

Schmidt + Clemens (Asia) Sdn Bhd in Sendayan Tech Valley, Seremban is a subsidiary of the S+C Group. They were established in 1879 and now have more than 130 years specializing in the manufacture of centricast high grade steel and associated fabrications to the petrochemical industry.

The Furnace Hall is a high temperature dusty environment. Schmidt + Clemens wanted to improve the working conditions for its employees so TROX was invited to assist. TROX put forward a number of solution but after a couple of site visits it was clear that the best solution would be the introduction of TROX roof fans. However, the challenge was that the fans weighed 215 kg each concern was expressed regarding the roofs ability to support such a load. A structural engineer was engaged to check the design provided by the subcontractor which enabled the fans to be installed.

The optimum solution was to install 12 type DRVF-H 630/25- 6 (L1) X-Fans on to the roof. Each of these X-Fans has a capacity of 18,000 m³/hr. Utilizing this solution ducting was not required to extract the hot dirty air from the Furnace Hall. We visited after the installation to ensure that the working environment had been improved. We found that it was now much cooler due the air velocity created inside the factory which also ensured that the dust was not more longer noticeable. Most importantly the workforce was very happy with the benefits provided which ensured that Schmidt + Clemens were also delighted.

12 units DRVF-H 630/25- 6 (L1) X-Fans, each producing an extraction of 18,000 m³/hr.