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AIRCLEAN CASE STUDY:

DATASTORE – AIR CONDITIONING

Designing a completely new datastore allowed the team, which included the client to dream a little and think outside the box. Floor space and heat load became the obvious dominant factors, but the solution was a little wild and scary to say the least! At various stages we kept asking the question - why was this not the norm? Why had others not done this before? Design review after design review kept pushing the team along the same design concept.

The design uses more filtration than any other system on the market, but by constructing the system correctly the prefilters are able to protect the next levels of filtration, which ultimately provides a much better cleanliness solution for the Datastore compared to others. This allows a better airflow through the blades and servers, with a reduced dust build up.

What better solution for a design concept than using our natural resources as the starting point. We then adapted them to our needs, with a little help from the latest technology of computer control and free cooling from the chillers, before that final step into the conventional cooling realms.

The journey was well planned at the design stage, ensuring the N+1 was a reality throughout the system during the roll out. It was executed with efficiency and foresight, investing financially in the base infra structure at the start of the project and installing the equipment in a phased roll out as more racks are populated, to meet customers changing requirements.

Ref: Airclean Case Study – DATASTORE
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