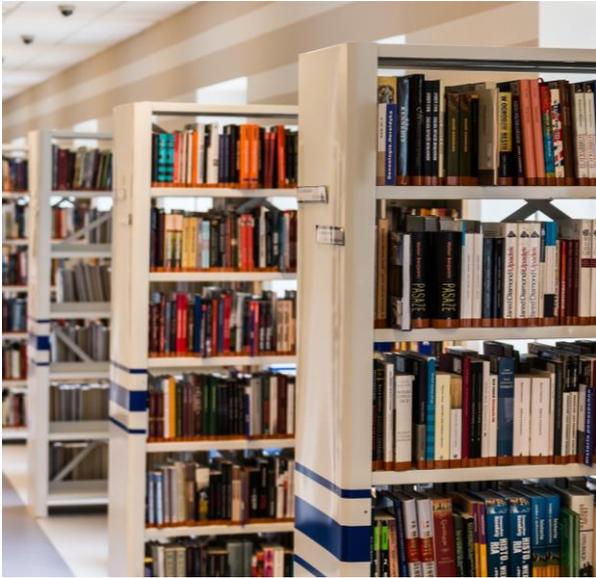


Client: SAN-AIR Distributor and their end Client

This building is located in New Zealand. SAN-AIR has been asked to respect privacy and not release names of companies involved, nor of people involved, nor specific location of buildings.



Situation:

Our client was approached by the Library Facility Management.

- The management reported high levels of mould in the Library, both in visible form and with highly noticeable musty odours. The wellness of employees in the library was also discussed.
- Despite having used other means to control the issue, such as UV lights and other similar devices, there was no abatement to the mould infestation.

Treatment:

The treatment suggested for implementation was simply to deploy 500gm blocks of gel in a random selection of three Air Handler Unit (AHU). Twelve (12) gel blocks in total were deployed.

METHODOLOGY

- The Library management selected an independent laboratory.
- The laboratory personnel carried out several measurements before the deployment of SAN-AIR Gel.
- The laboratory was responsible for collecting samples and analysing the incubation results.
- The results section outlines the areas tested before and after installation of SAN-AIR gel.
- 3 Air Handler Units(AHU) were tested out of a total of 31 AHU servicing the building

BASELINE DATA

- Baseline microbial testing of several key points on all the site.
- The same test points were tested after introduction of SAN-AIR Gel.

TREATMENT PERIOD

- 8 weeks

Results:

- The results showed a remarkable decrease in fungal load
- The musty odour that was present, disappeared
- The noticeable discomfort of some employees to the high mustiness of the premises was no longer noticed.

Location	1st Lab Report 02/09/2022 CFU Baseline Data	2nd Lab Report 27/10/2022 CFU Final result	% Reduction	Log Reduction
AHU #3	3,200,000	<10	99.999%	5.5
AHU #8	3,500,000	350	99.990%	4
AHU #31	1,200,000	80	99.993%	4.17

Conclusion:

The deployment of SAN-AIR gel caused a remarkable decrease in bioburden. This in turn improved the Indoor Air Quality in the library by Log 4 and better, returning the library indoor to a high level of Indoor Air Quality.



A scientific breakthrough in natural organic chemistry