



# SOUNDLAG USED IN COMMONWEALTH GAMES ATHLETES VILLAGE

## THE CHALLENGES

Now known as 'Parklands', the Commonwealth Games Athletes Village developed on the 29 hectare site began construction in 2015 - and was completed by Grocon in late 2017. With an emphasis on design flair, colour and life, this latest urban renewal project of the Gold Coast - located in Queensland on Australia's north eastern coast hosted both the abled body and disabled athletes with accommodation also featuring 170 accessible apartments.

With 2053 bathrooms on multiple floors in each building, the village hosted in excess of 6600 athletes and team officials during the 11 days of the competition. Typical bedrooms in the GC2018 Athletes village featured locally produced artwork on walls, and custom doona covers that the Athletes could take home. While not a lot of time was spent in the rooms, quality sleep and minimised disturbance between apartments was needed to ensure peak performance in competition.

The medium density project was to be completed to spec as Soundlag was specified into the construction of the village to reduce noise impact from wastewater pipes.

Broken up in three zones - International, Residential and Operational - the Village was architecturally designed to capture the essence of South-East Queensland and the emphasis on water key to the project.

## THE SOLUTION

Pyrotek, with local lagging teams from Wrap 'em Ready, supplied 20 kilometres (12.4 miles) of lagged pipe with Pyrotek Soundlag to the athletes' village.

Working cooperatively with the local government and housing services Building and Asset Services division, the developer was able to deliver a quality noise mitigation solution for occupants in the village by using qualified installers for roll out of industry proven pipe lag. With over 20 years success in Australia, this locally produced, high quality, AAAC 6 Star Rated lagging complies fully to Australian building standards.

Local lagging teams from Wrap 'em Ready, installed 20 kilometres (12.4 miles) of Soundlag.



The Commonwealth games Athletes village, now known as Parklands

## RESULTS

Noise transmission between individual levels and accommodation was targeted and addressed with securely lagged pipework throughout the buildings. Soundlag typically reduces noise from waste water pipes by 25db(A).

To future proof this iconic village, the emphasis on water and comfortable living was obvious. Thanks to Soundlag, the peace and tranquility is set for residents who will come to enjoy the apartments.



With proper install, the 2053 bathrooms worth of waste water pipes are quieter and particularly effective for problem areas around bends.

