

## CASE STUDY:

# Milan Apartments



### Work Performed

50mm Pool Pipe Reline - of pipes that fed the lagoon pool and hot tub.

Milan, which was completed in Mid-2008, offers exclusive holiday and permanent residence living, with extensive resort-like facilities including a heated lagoon and lap pools.

The operational maintenance manager of Milan contacted Nuflow as the 'relaxed environment' was being disturbed by leaking 50mm pipes that fed the lagoon pool and the hot tub.

### The Closed Circuit TV (CCTV) Inspection

Upon completion of the CCTV inspection, it was evident the problem was poorly cut and glued joints throughout the PVC pressure pipe. There was also mortar creating a partial blockage which would need to be cleared before being relined.

### The Reline

We had extremely limited access to the pipes, as they were located in an underground rain water holding tank and also the complexity of the pipe lay out from the pool and hot tub. This restricted our options for repairing the issues, and restricted the method of relining to a process unique only to Nuflow. On the day of works, the tank was partially emptied and an installation team member entered the tank using standard confined space procedures. The single point access liners had been custom made and tested the previous day and after being 'infused' with an epoxy designed to deal with chlorine and pool chemicals, they were inserted into the line. Less than 3 hours later, the process was reversed, removing the insertion bladders leaving a pipe that was better than new. Nuflow installed the liners in the morning and pulled them out by mid afternoon the same day. Having minimum impact on the use of the pool and hot tub.

### Alternatives

With 1 unit per level, its 19 levels host an exclusive clientele. The guests take priority, so the alternative solution of closing down the pools and excavating to replace the pipes, was never an option; due to the location, disruption to guests, lengthy delays and costs involved.

Visit us at [NUFLOWTECH.COM.AU](http://NUFLOWTECH.COM.AU) or talk to us on 1800 NUFLOW for a solution.