



● COMMERCIAL HEATING/COOLING

Luxury Hot Spring Apartments Case Study Tamsui, Taiwan

HydroFLOW® treatment reduced scale formation and maintenance demand across luxury hot spring apartments while improving water quality and supporting bacteria control.

50%

Maintenance Cost
Reduction



Cleaning Cycles

<500 CFU

Bacteria Levels Maintained

24/7

System Protection

⇒ BEFORE & AFTER

● BEFORE

- ✗ Frequent scale buildup in hot spring systems
- ✗ Monthly maintenance needed at some sites
- ✗ Warm water systems required bacteria control

● AFTER

- ✓ Maintenance intervals extended
- ✓ Soft scale flushed away with water flow
- ✓ Bacteria counts stayed within limits

OVERVIEW

TAIPEI Ocean Horizon is a luxury apartment development in the Tamsui district near Taipei, Taiwan. The site features private hot springs inside apartments, rooftop hot spring facilities, spa pools, Jacuzzis and swimming pools supplied by underground hot spring water with hardness above 400ppm. More than 30 *HydroFLOW*® units were installed throughout the property to reduce scale buildup and improve water quality across piping systems, hot spring wells, submersion pumps and recreational water facilities.

CHALLENGE

Hard underground hot spring water caused severe scale and maintenance issues.

- Hot spring water hardness exceeded 400ppm
- Some systems required monthly maintenance
- Scale buildup affected pumps and piping systems
- Spa facilities required bacteria control compliance



SOLUTION

More than 30 *HydroFLOW*® units were installed to reduce scale buildup across hot spring systems and spa facilities.

UNIT INSTALLED

30+ *HydroFLOW*® units

APPLICATION

Hot spring apartments and spa facilities

WATER SOURCE

Underground hot spring water >400ppm

INSTALLATION PERIOD

November 2017 to June 2018



INSTALLATION

HydroFLOW® unit on pump



INSTALLATION

Units on pump systems



SITE

Private indoor hot spring bath



RESULTS



Maintenance Reduced

Maintenance costs reduced by 50%+



Scale Controlled

Soft scale flushed away through flow



Bacteria Controlled

Bacteria counts stayed within limits



Water Quality Improved

Cleaner water circulation maintained



Heating Efficiency Maintained

Heating surfaces remained cleaner



Long-Term Protection

Continuous 24-hour protection provided

KEY TAKEAWAY

Summary

HydroFLOW® was installed throughout the TAIPEI Ocean Horizon development to reduce scale buildup across private hot springs, spa pools and recreational water systems. The installation extended maintenance intervals and supported compliant bacteria control throughout the property.

50%

MAINTENANCE COST REDUCTION



CLEANING CYCLES

<500 CFU

BACTERIA LEVELS MAINTAINED



Ready to reduce hot spring maintenance?

Get a free consultation for your facility.

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