



HOTEL INDUSTRY

Hotel Legionella & Scale Control Case Study **Milan, Italy**

HydroFLOW® units controlled scale in an ageing Milan hotel hot water system, with no Legionella recurrence reported after installation.

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Legionella Recurrences



Biofilm Formation



No New Scale Deposits



Continuous Protection



BEFORE & AFTER

BEFORE

- Recurring Legionella presence in system
- Outdated system limited chemical use
- Risk of corrosion from treatments

AFTER

- ✓ No recurrence of Legionella detected
- ✓ Biofilm removed from pipe surfaces
- ✓ Scale formation prevented in system



OVERVIEW

Hotel Des Etrangers in Milan experienced recurring Legionella contamination in its domestic hot water system. Due to an ageing installation, chemical dosing posed corrosion risks.



CHALLENGE

Legionella risk and scaling in an ageing system where chemical treatment was not suitable.

- Presence of Legionella in hot water system
- Inability to use chlorine due to corrosion risk
- Biofilm formation inside pipes
- Scale deposits affecting system performance

SOLUTION

1x *HydroFLOW*® C100 installed on cold supply and 1x *HydroFLOW*® P100 on hot water delivery.

UNIT INSTALLED

1x *HydroFLOW*® C100 + 1x *HydroFLOW*® P100

INSTALLATION POINT

Cold supply & hot water delivery

APPLICATION

Domestic hot water system

INSTALL DATE

December 2017



RESULTS



No Legionella Recurrence

Legionella has not reappeared after installation.



No New Scale

Limescale deposits prevented across system.



Biofilm Removal

Biofilm detached and removed from pipe surfaces.



Cleaning Evidence

Deposits observed at outlets during initial cleaning phase.



System Protection

Prevents corrosion and maintains pipe condition.



Continuous Treatment

Ongoing control of bacterial load and scaling.

KEY TAKEAWAY

Summary

No Legionella recurrence following installation of *HydroFLOW*® C100 and P100 units. Scale was controlled in an ageing Milan hotel hot water system without the corrosion risks associated with chemical treatment.

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LEGIONELLA RECURRENCES



NEW SCALE



PROTECTION



ADDITIONAL PHOTO EVIDENCE



RESULTS

Deposits visible at tap following internal pipe cleaning

HYDROPATH

The Forefront of Sustainable Water Treatment

HydroPath Technology is a world leader in sustainable water treatment solutions, providing chemical-free alternatives for industrial and commercial applications across more than 50 countries.

50+

COUNTRIES

30+

YEARS EXPERIENCE

1M+

UNITS INSTALLED

RELATED CASE STUDY

Holiday Homes Hot Water Case Study

France

HydroPath treated severe limescale in hot water cylinders serving holiday homes in France. Scale dropped from 200kg to under 10kg and heaters stayed operational, cutting maintenance and replacement costs while improving system performance.

95% Scale Reduction

Over 95% less scale on heaters, keeping them operational.

200kg to <10kg Scale

Cylinder limescale reduced from 200kg to under 10kg annually.

50%+ Cost Savings

Maintenance and energy costs reduced by over 50%.

HYDROPATH 

Ready to control Legionella without chemicals?

Get a free consultation for your facility.

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