



● HOTEL INDUSTRY

Holiday Homes Case Study France

HydroFLOW® reduced limescale in a holiday home hot water system, lowering maintenance costs, restoring heater performance and delivering estimated energy savings of over 50%.

95%

Scale Reduction

>50%

Energy Savings

€1750

Annual Heater Savings

<10kg

Remaining Scale

**BEFORE & AFTER**

● BEFORE

- 200kg limescale each year
- 5 heaters replaced yearly
- 5cm scale on heaters

● AFTER

- ✓ Less than 10kg scale
- ✓ Heaters remained operational
- ✓ Scale became soft and powdery

**BEFORE***Electric heater with heavy limescale***AFTER***Scale softened into removable powder*

OVERVIEW

IDEX Energies evaluated Hydropath technology at an ODALYS holiday home residence with four 3,000L electric hot water cylinders operating at approximately 60°C. Severe limescale caused frequent heater failures, high maintenance costs and reduced efficiency. The four month pilot evaluated *HydroFLOW®* treatment to reduce scale, restore heater performance and lower operating costs.

CHALLENGE

Severe limescale reduced heater performance and increased maintenance costs.

- Around 200kg of limescale removed each year
- 5cm scale layer on electric heaters
- Five heaters replaced every year

SOLUTION

2x *HydroFLOW®* C60 units were installed downstream of the booster on the cold water supply feeding the four hot water cylinders and on the cold water distribution line.

UNIT INSTALLED

2x *HydroFLOW®* C60

INSTALLATION POINT

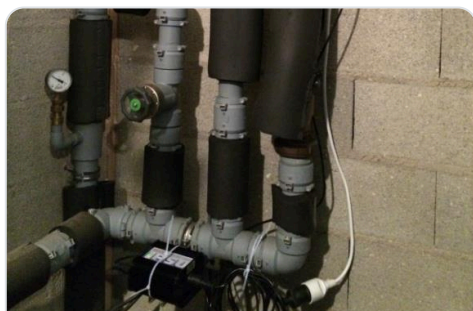
Cold water supply before cylinders and on distribution

INSTALL DATE

29 April 2014

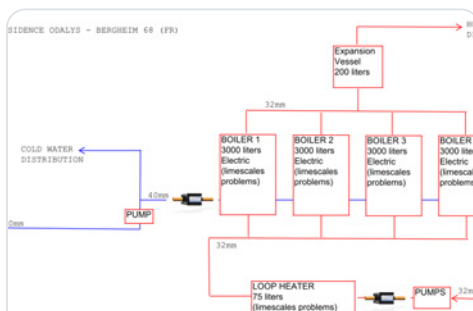
TRIAL DURATION

4 months



INSTALLATION

HydroFLOW® installation



DIAGRAM

Hot water system layout

RESULTS

95% Scale Reduction

Scale became light and powdery after treatment.

>50% Energy Savings

Estimated energy savings exceeded 50%.

Reduced Maintenance

Annual maintenance workload reduced significantly.

€1,750 Annual Savings

Estimated annual heater savings of €1,750.

Heater Performance Restored

Electric heaters remained serviceable.

<10kg Remaining Scale

Scale reduced from 200kg to under 10kg.

TESTIMONIAL

*"The effectiveness of the *HydroFLOW®* C60 system is undeniable. The remaining limescale crumbles like sugar, making maintenance easier and reducing overall maintenance costs."*

— Site Maintenance Team

KEY TAKEAWAY

Summary

A four month Hydropath pilot at a French holiday home residence reduced limescale from around 200kg to under 10kg, restored heater performance, cut maintenance costs and delivered estimated energy savings exceeding 50%.

95%

SCALE REDUCTION

>50%

ENERGY SAVINGS

€1750

ANNUAL SAVINGS



ADDITIONAL PHOTO EVIDENCE



BEFORE

Heavy limescale before treatment



AFTER

Powdered limescale after treatment

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

HYDROPATH

Ready to reduce limescale and maintenance?

Get a free consultation for your facility.

✉ sales@hydropath.com

☎ +44 (0)115 986 9966

🌐 hydropath.com

✓ ISO 14001:2015

✓ ISO 9001:2015

✓ GREENPRO

✓ SOLAR IMPULSE