



GRANDER
REVITALIZED WATER

GRANDER® WATER REVITALIZATION

THE FINANCIAL CASE FOR THE PLANT ROOM

Indicative savings from documented, independently sourced GRANDER® installations, for financial and facilities directors evaluating capital spend.



POOL CHEMICAL USE

30%+

documented
reductions²

HEATING ENERGY

5-10%

potential saving
per 1°C lower¹

CLEANING DETERGENTS

10-25%

documented
reductions³

SMALL EFFICIENCIES. HOTEL-WIDE IMPACT.

WHY CAN ONE WATER TECHNOLOGY AFFECT SO MANY COSTS?

GRANDER® works with the water circulating throughout the property. By improving the condition and behaviour of the water, documented installations have reported cleaner systems, reduced scale and deposits, lower chemical and detergent requirements and improved heating performance - creating savings across multiple cost centres.



HEATING & HOT WATER

Lower energy • reduced scale
• improved heat transfer



POOL & SPA

Lower chemicals • easier cleaning
• reduced maintenance



HOUSEKEEPING & LAUNDRY

Lower detergents • easier cleaning
• reduced scale



KITCHEN & F&B

Reduced scale • easier cleaning
• equipment protection



MAINTENANCE

Reduced deposits • fewer interventions
• equipment protection

THE WIDER BUSINESS CASE

84%

reported savings
attributable to GRANDER⁴

1.3 YEARS

median
payback⁴

100%

satisfied or
very satisfied⁴

Kiwa UK Regulation 4 Approved⁹

www.hotel.grander.co.uk

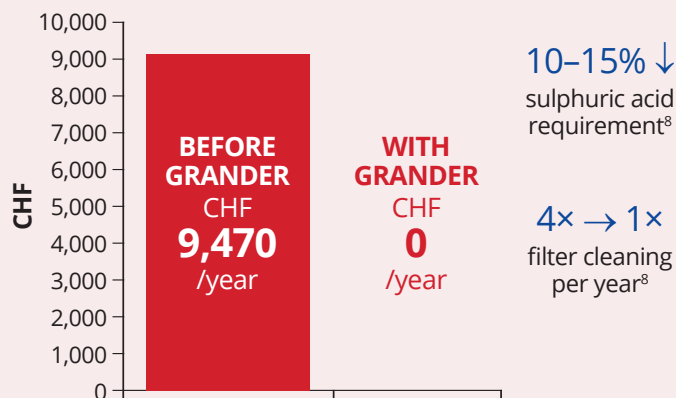
DOCUMENTED SAVINGS IN HOSPITALITY & LEISURE

REAL INSTALLATIONS. MEASURED OPERATING RESULTS.

FITNESS PARK NATIONAL · LUCERNE

ANNUAL OZONE-SYSTEM OPERATING COST⁸

CHF 4,532 maintenance + CHF 4,938 electricity = CHF 9,470/year⁸



HOTEL SONNENALP · GERMANY

50% ↓ specific laundry product use⁵

~600 KG/YEAR ↓ chlorine gas use⁵

LOWER operating costs reported⁵

HOTEL HOF WEISSBAD · SWITZERLAND

~30% ↓ chlorine use⁶

~25% ↓ detergent use⁶

~3 YEARS reported payback⁶

~CHF 5,000/YEAR previous ozone-system maintenance cost eliminated⁸

ONE WATER SYSTEM. MULTIPLE COST CENTRES.

Heating energy • Pool chemical use • Cleaning detergents • Water treatment • Maintenance • Labour

Documented installations show that the financial case for GRANDER® does not necessarily depend on one saving alone. Benefits across several areas of a property can contribute to the overall return.

WHAT COULD GRANDER® MEAN FOR YOUR PROPERTY?

Every hotel is different. Water systems, plant configuration, occupancy, energy consumption, chemical use and operating practices all influence the potential return.

Give us your current figures and we'll help you assess where GRANDER® could offer the strongest financial opportunity within your property.



YOUR PLANT. YOUR COSTS. YOUR BUSINESS CASE.

REQUEST AN INITIAL ASSESSMENT

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REFERENCES

1. UK Department for Education, *Energy Efficiency: Guidance for the School and Further Education College Estate*, 2022. UK Government guidance states that reducing building temperature by 1°C can save 5–10% of the annual heating bill.
2. GRANDER®, *Hotel Hof Weissbad, Switzerland* — documented 30% reduction in swimming-pool chlorine; GRANDER®, *Alpenfreibad Trauchgau, Germany* — documented 30%+ reduction in chlorine use.
3. GRANDER®, *Hotel Hof Weissbad, Switzerland* — documented 25% reduction in detergent use for dishwashing and laundry; documented hotel operating experience also reports reductions in cleaning-product consumption.
4. Zunkovič, K. (2007), *Water Revitalisation Using the Example of GRANDER® Technology: An Empirical Survey Among Industrial Users*, Institute for Innovation and Environmental Management, Karl-Franzens-University of Graz. Survey of 32 industrial businesses in Austria, Germany and Switzerland.
5. Hotel Sonnenalp, Germany — documented GRANDER® installation results: approximately 600–650 kg/year reduction in chlorine-gas use, 50% reduction in specific laundry-product use and lower operating costs reported. GRANDER® published case material / B.A.U.M. assessment.
6. Hotel Hof Weissbad, Switzerland — documented GRANDER® installation results: approximately 30% less swimming-pool chlorine, 25% less dishwasher/laundry detergent and investment reported as paid back during the third year.
7. GRANDER® published case material, *Alpenfreibad Trauchgau, Germany* — long-term pool installation reporting approximately 30%+ lower chlorine use.
8. B.A.U.M. e.V., *Final Report on the Investigation of GRANDER Water Revitalisation*, 14 November 2006. Site assessments included Hotel Hof Weissbad, Switzerland; Fitness Park National, Lucerne; and Alpenfreibad Trauchgau, Germany. Documented findings included elimination of approximately CHF 5,000/year in previous ozone-system maintenance at Hof Weissbad; CHF 9,470/year in previous ozone-system operating costs at Fitness Park National (CHF 4,532 maintenance + CHF 4,938 electricity), together with approximately 10–15% lower sulphuric-acid use and filter cleaning reduced from four times to once annually; and reductions of at least one-third in chlorine and detergent use at Alpenfreibad Trauchgau.
9. Kiwa UK Regulation 4 (KUKReg4) Approval, Certificate 2606762, issued 7 July 2026, valid until 7 July 2031; approval under Regulation 4(1)(a) of the Water Supply (Water Fittings) Regulations 1999 for England and Wales and equivalent Scottish and Northern Irish requirements.