CASE STUDY

GRANULDISK POT AND PAN WASHING AT THE LONDON HEATHROW MARRIOTT.

WATER SAVINGS *IN THE KITCHEN OF*

91.7%

GRANULDISK®

JUST ADD LESS WATER.

"A GRANULDISK machine offers a great solution for a cleaner and improved work environment. It offers water, chemical and energy savings and also helps us use our labour force more effectively. The trial at the London Heathrow Marriott has proved what a great asset to any kitchen the machine can be."

Sean Kelly, Area Director Food & Beverage UK, Marriott Hotels Ltd

QUICK SUMMARY.

Before:

- Manual potwashing in sinks + decarboniser soaking tank
- Using 6 177 litres of water daily

After:

- 57 wash cycles/day with a Granule Smart®
- Using only 512 litres of water daily

Results:

- **91.7%** water savings
- Saving 2 038 680 litres yearly
- Improved working conditions for the staff and a better organisation of the work flow.

Before

THE SITUATION BEFORE.

The hotel restaurant was doing their pot and pan washing in a decarboniser and 3 sink system, letting utensils soak for hours before they could be scrubbed clean. The equipment was outdated and both a waste of effort and energy, according to Jim Shields the Director of Engineering at Marriott.

GRANULDISK offered a one month trial period to convince managers of the superiority of the No Pre-washing concept from GRANULDISK.

The water consumption was measured during 6 months before the Granule Smart® from GRANULDISK was installed in order to have a baseline for the comparison.

After

THE SITUATION AFTER.

With approximately 2500 meals/day the kitchen porters quickly took to using the Granule Smart® pot washer, with the capacity to wash 180 GN 1/1 trays per hour without any need for soaking or scrubbing.

Now, they run about 57 wash programmes a day, using only 512 litres of water daily for the potwashing. This is roughly 8 % of what the water consumption was before.

In addition, the new space saving setup allows for all dishwashing to be done in the same area which makes it more manageable for the kitchen. Last but not least, the wash result is impeccable.

Keith Broadway, Country Sales Manager GRANULDISK and Jim Shields, Director of Engineering Marriott

THE FUTURE.

After the 30-day trial period, the London Heathrow Marriott was happy to see water savings that surpassed their expectations. Jim Shields, Director of Engineering, also states that they have seen improvements in the washing-up process that has brought about a safer working environment for the operators.

Seeing as sustainability is becoming more and more important, GRANULDISK will continue to implement it's solution at other hotels in the Marriott chain.

"From my perspective it was an easy draw. Once I learnt some of the benefits of the equipment, with the potential energy and water savings as well as the process improvements, it made a lot of sense having a truly efficient utensil washer. Also bringing about a safer working environment for the operators with efficiencies in the labour used to carry out the work."

Jim Shields,
Director of Engineering Marriott

London Heathrow Marriott Sustainability Initiatives

The London Heathrow Marriott has taken a number of steps towards making the hotel as sustainable as possible and by doing so reducing their Carbon footprint substantially. This includes investing in different equipment and devices to reduce energy and water consumption as well as implementing recycling schemes so that 100 % of the hotel waste is recycled. The hotel has it's own windmill and a greenhouse to grow herbs and tomatoes on the rooftop. It also participates in global initiatives for climate change awareness.

These steps have earnt the hotel a number of awards and commendations. The most recent one in May 2016, when London Heathrow Marriott Hotel was announced as the European winner of the prestigious Green Hotelier Awards.

Beating competition from a variety of hotel companies, the property was judged the greenest hotel in Europe for innovating and investing in new technology to improve its sustainability and reduce its carbon footprint.

"The huge annual water savings realised by installing a pot washing machine from GRANULDISK show that these initiatives have a real impact, and definitely contributed to our win", says Ron Vos, General Manager at London Heathrow Marriott.

Previous awards for Marriott Heathrow:

- Gold Award, Green Tourism Scheme
- Platinum Award, TripAdvisor Green Leaders Award
- Highly Commended, Green Hotelier Awards
- Gold Award, Marriott Spirit to Serve Greenest Hotel
- Finalist, West London Green Business Green Award

Winner of green hotelier Awards 2016

WATER CONSUMPTION
(for pot washing per annum)

Before:	*After:*
2 223 000 litres	***184 320 litres***
Cost before:	*Cost after:*
£ 2 890	***£ 240***

WATER SAVINGS OF

91.7%

*ENERGY CONSUMPTION**
(for pot washing per annum)

Before:	*After:*
77 458 kWh	***4 763 kWh***
Cost before:	*Cost after:*
£ 7 746	***£ 476***

ENERGY SAVINGS OF

93.9%

*CHEMICAL CONSUMPTION**
(for pot washing per annum)

Before:	*After:*
4 447 litres	***360 litres***
Cost before:	*Cost after:*
£ 8 894	***£ 990***

CHEMICAL SAVINGS OF

91.9%

*Consumption calculated from water consumption.

CONVINCE YOURSELF.
WASH THEM LIVE.

Book a free Live Wash demonstration and experience the Granule LIVE. Scan QR, visit www.granuldisk.com or contact your local GRANULDISK dealer for more information.

GRANULDISK pot washing machines use PowerGranules®, water and a small amount of detergent to **mechanically scrub pots and pans clean**. The blasting power combined with high temperatures washes hygienically clean in a matter of minutes, **using 90-95% less water, energy and chemicals than any other pot washing methods**.

A smart, sustainable and economic solution – eliminating pre-washing.

GRANULDISK pot washing machines are a Swedish innovation which have been on the international market for nearly 30 years. The Sandberg family has been investing since the start.

GRANULDISK®

Authorized Premium Partner

BELIM INDUSTRIES LTD
BELGRADE
PREMIUM PARTNER
FOR BALKAN REGION
Street: Svetozara Miletica 16, 11000 Belgrade, Serbia
Phone: +381 (0)11 92 517; +381 (0)11 33 92 646
Mobile phone: +381 (0)64 120 78 22
e-mail:office@belim.net;
www.belim.net