CASE STUDY

GRANULDISK POT AND PAN WASHING AT
LE MERIDIEN DUBAI HOTEL & CONFERENCE CENTRE, UNITED ARAB EMIRATES.

WATER SAVINGS OF

80%

GRANULDISK®

JUST ADD LESS WATER.

QUICK SUMMARY.

Before:

- Manual pot washing in sinks
- Using 8,051 litres of water daily

After:

- Approx. 80 wash cycles/ day with a Granule Smart®
- Using only 1,607 litres of water daily

Results:

- **80%** water savings
- Saving over 2 million litres of water annually
- Improved working conditions for the staff and a better organisation of the work flow

THE SITUATION BEFORE.

Le Meridien Dubai Hotel, located near the international airport, has been around for more than 40 years and has transformed well with time. Still widely considered today in the UAE as a premier hotel destination for business professionals, tourists, and those who are looking for a variety of exquisite fine dining experiences.

The hotel had been evaluating options to upgrade from their existing 3-sink system that involves pre-washing, a time and resource-consuming method. Adding to that is the usual day-to-day task of keeping wet floors mopped dry and clean.

Dubai, located in the eastern part of the Arabian Peninsula, is a place where water stress levels are high due to increasing population and industrialization. Le Meridien Dubai Hotel and Conference Centre knew that water conservation has to be prioritized. Having looked at all viable options in the market they decided to try the No Pre-Washing concept from GRANULDISK.

The hotels engineering team led by Mr. Butch Lim recorded water usage for 30 days through installed water meters. The solution from GRANULDISK was then installed and measured for another month. The stewarding staff was told not to use the 3-sinks during the trial, for comparison.

THE SITUATION AFTER.

The main kitchen has an average daily traffic of 600 pots and pans. With that in mind the stewarding staff went through a one-day training with Ms. Joyce Mattmann from GRANULDISK.

The new solution proved to be beneficial right from the get-go. The dirty to clean lead time for pots and pans were 50 percent faster compared to the manual method, avoiding the dreaded build-up clutter. The floors were also noticeably drier while water consumption was down by 80 percent.

The solution from GRANULDISK delivered to its promise, which pleased the team at Le Meridien Dubai Hotel & Conference Centre.

"In my 30 years in the industry GRANULDISK has proven to be one of the most innovative solutions in the pot wash area. There are pot washers, but they require pre-washing which is redundant. In a macro perspective the hotel can generate tons of savings both short and long term while also fostering a healthy and safer working environment for the staff."

Mr. Butch Lim, Director of Engineering

"Hygiene and cleanliness is our number one priority, it is essential to apply the right system or technology available that helps us improve our hygiene standards consistently. And with GRANULDISK our utensils are not only cleaned, they are properly sanitized with efficiency due to the machine's high heat temperatures. The concept from GRANULDISK is exactly what we need."

Mr. Vinod Muraleedharan, Back-of-the-House Manager

ARE YOU SANITISING OR JUST CLEANING? LEARN THE DIFFERENCE.

CLEANING:

+ Process that removes food, scraps and grease from pots, pans, utensils etc.
+ Detergent often pH neutral - inefficient elimination of germs, bacteria and other microorganisms.
+ Temperatures 40-45 °C - inefficient elimination of germs, bacteria and other microorganisms.

SANITISING:

+ Process that eliminates germs, bacteria and other microorganisms. An absolute necessity for anything that has been - and will - be in contact with food, to avoid cross-contamination.
+ Achieved through high temperatures, using steam or hot water (above 85 °C)
+ Achieved through chemical sanitisation - alkaline detergents and chemicals, pH around 11.

WATER CONSUMPTION

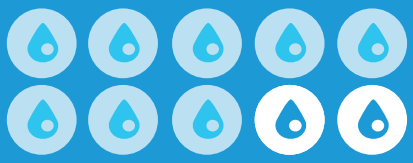
(for pot washing per annum)

Before: ***2,938,615 litres***

After: ***586,555 litres***

Cost before: ***39,554 AED***

Cost after: ***7,895 AED***



WATER SAVINGS OF

80%

ENERGY CONSUMPTION*

(for pot washing per annum)

Before: ***5,240 kWh***

After: ***181 kWh***

Cost before: ***29,678 AED***

Cost after: ***12,429 AED***

ENERGY SAVINGS OF

58%

CHEMICAL COST:

(for pot washing per annum)

Before: ***24,900 AED***

After: ***8,900 AED***

CHEMICAL SAVINGS OF

64%

*Consumption calculated from water consumption.

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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 in average 70% 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 since 1987.

GRANULDISK®

Authorized Premium Partner

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