

Jakarta International Hotel Association
To the attention of the Chairman

Jakarta, the 20th of May 2013.

Subject: Promoting the environment in Jakarta by savings on water, energy and by reducing carbon (CO₂) emissions.

Dear Sir,

The Jakarta International Hotel Association represents about 40 major hotels in Jakarta. The hotels have their own shareholders, their own management and their own objectives. Is it a correct statement that the association acts as an industry club or as a service club? The members are part of this larger body, however they are totally independent and free to maintain their own policy. In the context of the association it will be imperative that only a few goals can be shared.

Hopefully a project to reduce the impact from the hotel operations on the environment in Jakarta might be a goal that can be shared by many members of the Jakarta International Hotel Association. Implicitly it can also lead to a great promotion of the association.

In order to explain this possibility we have prepared some figures. We made an estimation of the use of shower water in the 40 hotels from the Jakarta International Hotel Association. 40 hotels with an average of 400 rooms have an estimate total of 16,000 rooms. We assume an occupancy of 70 % during 365 days which results in a total of 4,088.000 times per year that a hotel room is used. We assume that the rooms are used by one person who uses the shower one time in the evening and one time in the morning with a total of 10 minutes shower time.

A hotel shower delivers 15 liters of water per minute and when a restrictor is installed about 10 to 12 liters per minute. We make the calculation estimate as follows:
Total of hotel rooms used per year x occupancy of 70 % x minutes of shower use x liters of shower water per minute. In figures: 16,000 x 0.70 = 11,200 x 10 x 10 = 112.000.000 liters of water (112 million).

With the availability of new shower head systems the use of shower water can be reduced with an estimate total of 163,520.000 liters of water per year. The new innovative showerheads use the addition of oxygen to the shower water. Therefore the shower experience will be the same while using less water.

The Jakarta International Hotel Association could propose to its members to adopt a 'five year' plan that will result in a dramatic reduction of the use of shower water. In a 'five year' plan it gives every hotel the opportunity to implement the new showerheads in a maintenance schedule that fits into their long-term planning.

The benefits for the Jakarta International Hotel Association includes the possibility of a major public relations activity regarding the 'five year' plan to reduce the use of the resources of the earth by its members and a promotion for the association itself.

The member hotels benefit first with a return of investment in less than a year and secondly with the yearly returning savings of the costs of water, the costs of heating shower water and their contribution to reduce carbon (CO₂).

With the estimated savings of the costs of water for the 40 hotels (163,520.000 x IDR 12,550 per 1000 liters = in US \$ 210,563,45, the estimate savings on the cost of heating water = US \$ 437,360 and the carbon reduction about 2,321.984 kg CO₂) we believe that the Jakarta International Hotel Association has the opportunity to combine a good cause, the reduce of use of the earth's resources and a strong reduction of the carbon emissions, with the savings on costs for its members.

In addition to this opportunity the Jakarta International Hotel Association could adopt a plan and promote this to its members to use a percentage of these savings and spend this on Corporate Social Responsibility (CSR) projects. I am sure that Rotary clubs who have their meetings in the major hotels, like RC Jakarta Sentral (Grand Hyatt) and RC Jakarta (Shangri-La Hotel), will gladly participate in this project.

Perhaps it is a good proposal to set up a commission which can further sharpen the calculations and to explore the possibility to work together and to develop opportunities and discounts.

We keep ourselves available for further information.

Best Regards,

Cleaning Works
Advice on Facility Issues

Hans Westerveld, cfm
Director

Email: johanwesterveld@mac.com

Email: info@cleaningworks.nl

Mobile: + 62 812 833 594 65

International: + 31 6 55 771 777