

# Creating a health and relaxation oasis with EM Technology

34 years have passed since the setting of the original foundations of Hotel Cost Vista Okinawa (formerly, Hilton Hotel and then Sheraton Hotel). Over this period, it has not been used for a total of 13 years and has become completely too old for use. A conventional thing to do is not to restore this building and instead build a new one at the same site.

However, considering the historical value of the building as one of the very few pre-reversion buildings left standing in Okinawa and the environmental impact of the waste if the old building is destroyed, it has been decided to renovate the old building instead. The renovation was carried out under the theme of a high quality, holistic EM Technology reconstruction with the objective of creating a healthy and relaxing atmosphere for both the mind and the body.

It is expected that the application of EM Technology in the construction could increase the durability of the structure, reduce the harmful effects of various chemicals used during the construction, give a comfortable feeling to those staying and working in the building, decrease the load in the environment, etc. With periodic maintenance application of EM Technology, it is expected that the whole structure would be revived effectively over time.



- Spraying of A-EM to the floor base.
- Application of A-EM to the reinforcing bars
- Application of A-EM to the concrete mold.



- Application of EM ceramics, etc. to the mortar and the concrete.
- Application of A-EM, EM ceramics, etc. to the water proofing.
- Application of A-EM, EM ceramics, etc. to the concrete blocks.
- Application of A-EM, EM ceramics, etc. to the asphalt.

- For the guest room construction: application of a specially EM - treated carpet; treatment of the flooring adhesives with EM ceramics; use of order made EM wallpaper; use of A-EM, EM ceramics, etc. to the wallpaper putty;
- Application to the paint: A-EM, EM ceramics, etc.



### ■ Rainwater sprinkler system

Rainwater falling from the east wing of the hotel is collected and stored. The system waters the grass in the front of the hotel and the plants around the spa parking lot and building. Up to 16 tons of rainwater can be collected. The tank's water entry piping is set with EM tiles and EM Ceramics (ball type) are suspended inside the tank with the expected water quality improvement.



### ■ Wastewater recycling system

The wastewater from the spa runs to a wastewater purification tank and is purified to be less than 20ppm. The recycled water is then transferred and treated at the recycled water treatment tank, after which, it is then stored at the receiving tank. The recycled water is used for flushing the spa toilets. The flushed water is redirected to the wastewater purification tank for recycling. The recycled water is also being used at the hotel's first floor guest toilets (including the restroom for the handicapped) the second floor guest and staff toilets as well as for the cleaning of the restrooms. However, the water running from the restroom sinks and the automated bidets is tap (non-recycled) water.



### ■ Garden Management

A woody area is also present in the back part of the hotel. This area is historically significant since it holds the tomb of a Ryukyuan queen from the 13th Century. This area is considered to be a sacred place by locals. One part of this area is set with EM Glastone.

The hotel rooftop also serves as a vegetable and herb garden for the hotel restaurant and spa. It is also an eco-friendly way to absorb some of the heat from the sun.