

Maintaining the UAE's Beauty

For over a half a century, the leaders of the UAE have followed a simple rule: Use the land's resources for the benefit of the people. As current leaders look toward the future, they know that using water more effectively and efficiently will remain a key component of that tradition.

Efficiency is Beautiful

As the population increases, so will the rate of commercial, municipal, and residential development. The pressure to “build smart” through more efficient use of resources will become increasingly critical. Adopting a holistic approach to this development and using cost-effective multi functional applications to maintain aesthetics and green spaces will ensure the continued prosperity of the UAE and AGCC.

Rehbein Has the Solution

Rehbein Environmental Solutions understands that both property values and quality of life can be enhanced in measurable ways through the installation of increased green space. This allows for less heat-retaining material in open spaces, as well as more dry surfaces. Our technology and problem-solving ability allow us to find and create unique and sustainable solutions for each project while providing multifaceted benefits.



Key Benefits:

More aesthetically pleasing developments resulting from unique design, greener spaces, and less maintenance

Stronger and more versatile surfaces

The reduction of disease bearing insects as a direct result of increased surface dryness

The reduction of surface molds and mildews that result from airborne contaminants that germinate where wet surfaces prevail

The elimination of irritating odors associated with surface applied compost materials

**Rehbein Environmental Solutions –
Water Management Experts**

Rehbein
ENVIRONMENTAL SOLUTIONS
INTERNATIONAL

Applications



Reducing the Drain of Irrigation

Recognizing its scarcity, Dubai has already begun implementing water conservation measures. Nevertheless, water usage statistics are surprising: The city's 2 million residents each use, on average, 110 gallons of water per day. Dubai's wastewater treatment facilities handle 70 million gallons of water per day. The difference – water used for irrigation – amounts to 150 million gallons per day. This is 68% of Dubai's water usage.

As Dubai grows, this level of water usage for irrigation is not sustainable. The time is coming when water usage fees will increase dramatically in an effort to drive further conservation efforts. These efforts will be accomplished through:

- More efficient use of water in irrigation
- Re-use of some grey water in irrigation

Planning Ahead

By planning ahead, Dubai's administrators, developers, and residents can take responsible, water-saving measures now – and avoid costly changes and more costly water charges later. The EPIC system can reduce water used in irrigation by 50% - 85%. Combined with grey water re-use, it's possible to reduce water usage even further. Specific applications of EPIC include:



- **Commercial & Municipal Applications:**
Landscaping in parks, medians, boulevards, building grounds, multiple use surfaces
- **Residential Applications:**
Common area green spaces in residential developments, individual villa and farm systems, palace grounds, golf course communities and executive lifestyle recreational developments
- **Recreation and Athletic Applications:**
Equestrian training and performance facilities, equestrian tracks, soccer pitches, golf courses