

Extending Precious Resources

Experts project that the population in the Arabian Peninsula will more than double, increasing to 95.6-million by the end of this decade and that in Dubai alone, tourism is expected to grow nearly 300% to 22 million visitors.



The Problem

Daily water demands will grow proportionately threatening the ability to irrigate crops, landscapes, and maintain the beauty and attractiveness of the region. Most importantly, this will inhibit the ability to provide fresh, clean water to the people and development.

With the coming transformation of Abu Dhabi's skyline and commercial center, development in Dubai's financial and commercial institutional environments, and ongoing expansion of tourist and recreational facilities, this Pearl of the Gulf region will need to make the best use of its water resources.



Rehbein Environmental Solutions can provide:

Direct reduction in amounts of water used for residential and commercial irrigation by 50%-85%

The ability to use green surfaces at all times, without the inconvenience of standard conventional surface-irrigated practices

Reduce water demand through the re-use of grey water through EPIC's filtration capabilities

Dramatic reduction of potential fungus, bacteria and disease arising in

sprinkler or drip irrigation applications

Improved aesthetics by eliminating water stains and molds from topical sprinkling against buildings or foundations

Reduced maintenance costs

Increased plant stability in higher saline environments

Rehbein Environmental Solutions – Water Management Experts

Rehbein
ENVIRONMENTAL SOLUTIONS
INTERNATIONAL

Cost Comparison



Typical Soccer Pitch

	Traditional Irrigation	EPIC at 50% Reduction	EPIC at 85% Reduction
Area Irrigated	1 hectare	1 hectare	1 hectare
Water per day (gallons)	30,000	15,000	4,500
Water cost per gallon	\$0.01	\$0.01	\$0.01
Annual water cost	\$109,500	\$54,750	\$16,425
Annual savings		\$54,750	\$93,075

EPIC saves an average of 50% to 85% on water usage vs. traditional irrigation methods.

Savings goes beyond the monetary

The cost savings using the EPIC system goes far beyond strict monetary savings. In addition to cost savings, the following benefits will be enjoyed:

- Reduced fertilizer usage and runoff
- Eliminate sprinkler maintenance and repair
- Reduced labor force needed to operate system
- More consistently green turf

Add these benefits up, and it's clear that EPIC delivers a healthy Green Bottom Line.