



3RD GLOBAL
DISTRICT
ENERGY
CLIMATE
AWARDS

September 23 , 2013 | New York City

Award of Excellence:

Municipal scheme serving
more than 10,000 citizens –
New Scheme



DOHA QATAR

A nighttime photograph of a city skyline, likely Doha, Qatar, reflected in a body of water. In the foreground, a marina is filled with numerous yachts and boats. The city buildings are illuminated, and their lights reflect on the water's surface. The sky is dark, and the overall scene is a mix of urban architecture and maritime activity.

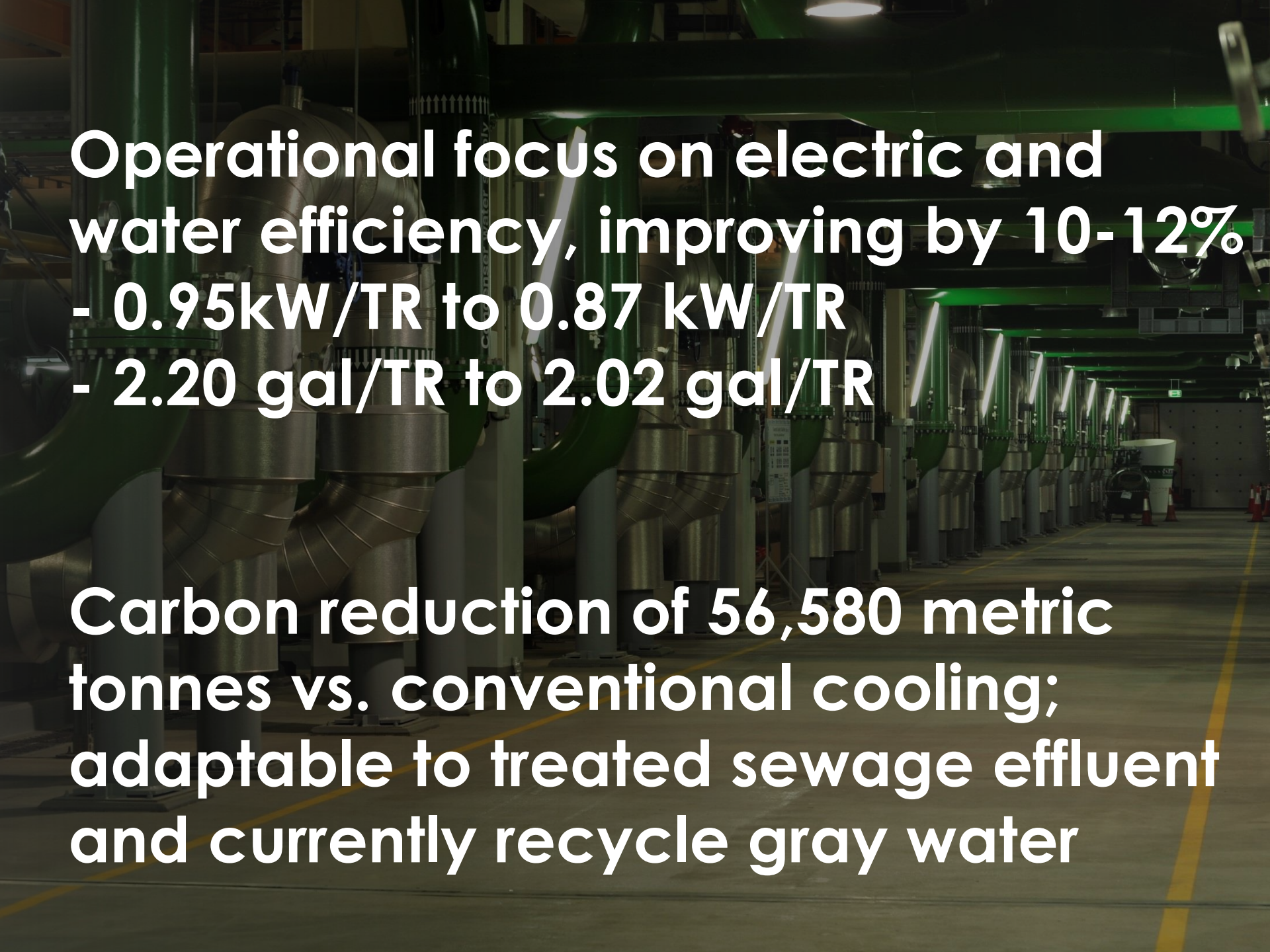
In Qatar, up to 70% of electricity is used for air conditioning

**Challenge to provide efficient, reliable cooling for planned development –
The Pearl Qatar, a 41 million square foot man-made island**

A large, multi-story building with a fountain in the foreground. The building has a light-colored facade with arched windows and balconies. The fountain is circular with several water jets. The sky is overcast.

World's largest integrated district cooling plant – 130,000 Tons

Serves more than 3.9 million square meters; 45,000 residents in 100 towers with 15,000 apartments, 1,500 villas

The background image shows a large industrial facility, likely a water treatment plant, with numerous large pipes, valves, and machinery. The lighting is dim, with some greenish-yellow highlights from overhead fixtures. The overall scene is complex and technical.


Operational focus on electric and water efficiency, improving by 10-12%

- 0.95kW/TR to 0.87 kW/TR
- 2.20 gal/TR to 2.02 gal/TR

Carbon reduction of 56,580 metric tonnes vs. conventional cooling; adaptable to treated sewage effluent and currently recycle gray water

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AWARD OF EXCELLENCE

Municipal Scheme Serving More Than 10,000 Citizens: New Scheme
Awarded to **Integrated District Cooling Plant,
The Pearl (IDCP), Doha, Qatar** 

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QATAR COOL



This is to certify that **Qatar Cool** has been officially recognized by a team of international experts chaired by the International Energy Agency (IEA) Technology Network, for its outstanding achievement in demonstrating local District Energy leadership in providing clean, sustainable energy solutions to protect against the risk of climate change.



Robert Thornton
President & CEO, IDEA



Robin Wiltshire, Technical Director, BRE
Chair, IEA Implementing Agreement
on District Heating & Cooling



Frederic Hug
President, Euroheat & Power