## GE Infrastructure Water & Process Technologies – Water needs in Emerging Markets

### George Oliver President & CEO, GE Infrastructure Water & Process Technologies

### June 28, 2005

"This document contains "forward-looking statements" – that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and often contain words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties arise from the behavior of financial markets, including fluctuations in interest rates and commodity prices; from future integration of acquired businesses; from future financial performance of major industries which we serve including, without limitation, the air and rail transportation, energy generation, media, real estate and healthcare industries; from unanticipated loss development in our insurance businesses; and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive and regulatory nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements."

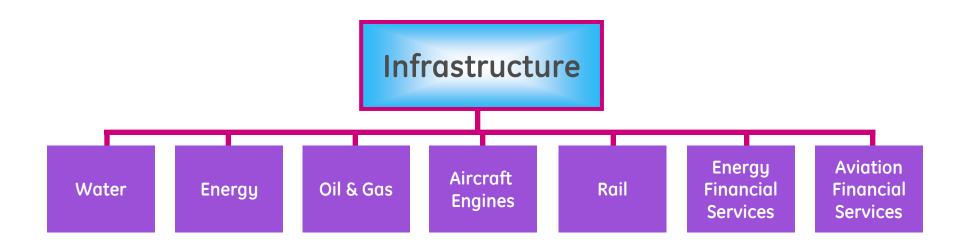
This presentation includes certain non-GAAP financial measures as defined by SEC rules. As required by SEC rules, we have provided a reconciliation of those measures to the most directly comparable GAAP measures, which is available in our Supplemental Information file on our investor relations website at www.ge.com/investor.



imagination at work

GE Infrastructure  $\rightarrow$  \$43B in 2005

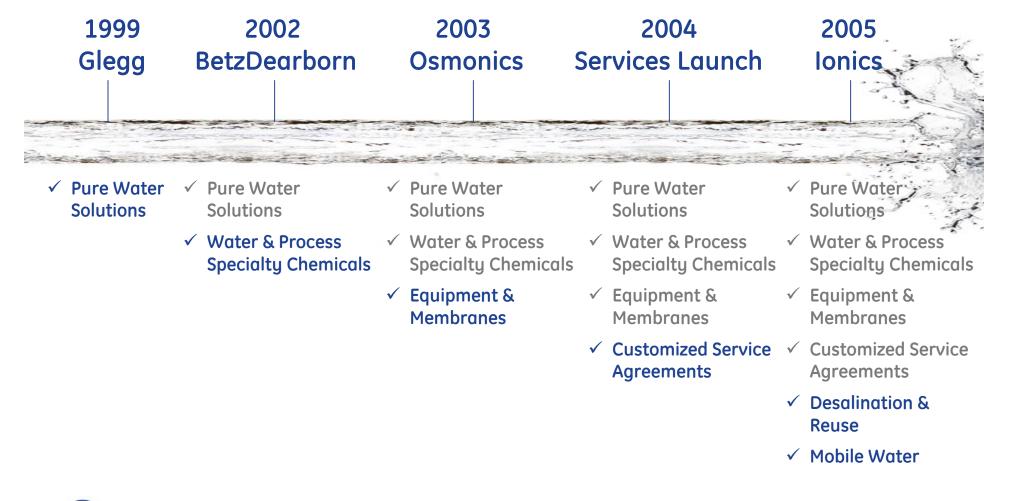
Technology focused on solving emerging global market needs.



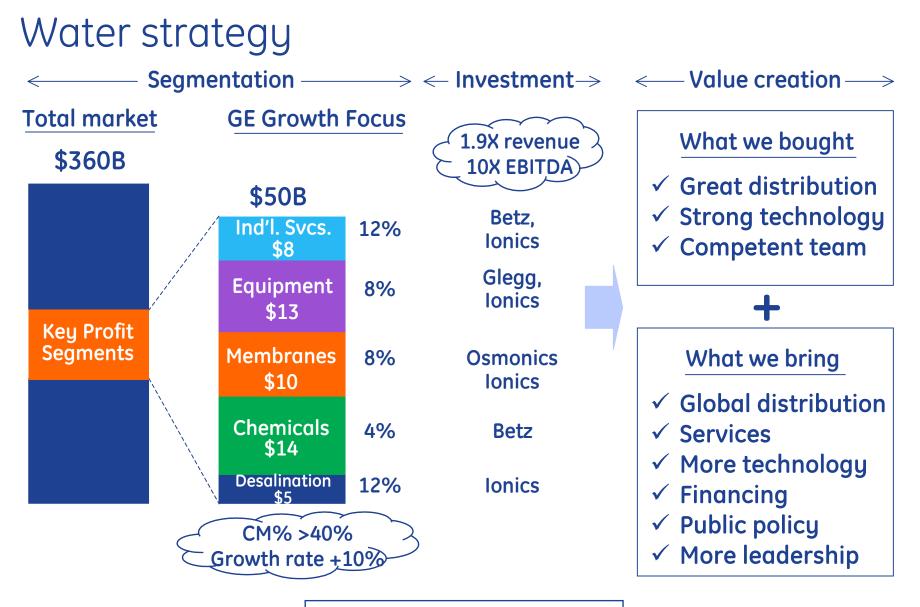
# Structured to provide global customer solutions



### Becoming the global water leader







In the game ... with scale



## Aligned with customers to drive growth



The Value To Customers...

- We **Optimize** Total System Performance
- We Safeguard Customer Assets From Corrosion, Fouling and Scaling
- We Protect The Environment Through Water and Energy Conservation



### GE Water & Process Technologies Growth Strategy



## People.



## Technology.



Solutions.



## Creating Technology that Improves Our World

Desalination



Pathogen Protection







#### Water Reuse



#### Air Quality



#### Waste Treatment



#### **Plant Optimization**



### GE Advantage

- •4 Global Research Centers
- •2,500 technologists worldwide



Global Research Center Niskayuna, NY



#### John F. Welch Technology Centre Bangalore, India

### Technical Disciplines

- Chemistry
- Mechanics
- Physics
- Electrical

- Computer Science
- Materials
- Biology
- Statistics



China Technology Center Shanghai, China



Global Research -Europe Munich, Germany



### Our Commercial Offering Represents a Paradigm Shift in the Industry



## Access to Clean Water Drives Emerging Markets



# The world population will become grossly out of balance

80% of the world's population will be in countries least capable of supporting further growth...

... but 33 developed countries' populations will shrink dramatically.



Source: CSIS

# Medical technologies may allow today's children to live until age 120





Source: CSIS

# The energy needs of this growing population will spike usage by 60%





Source: GE Energy

# Nearly half of the world's population will be water-stressed in the future

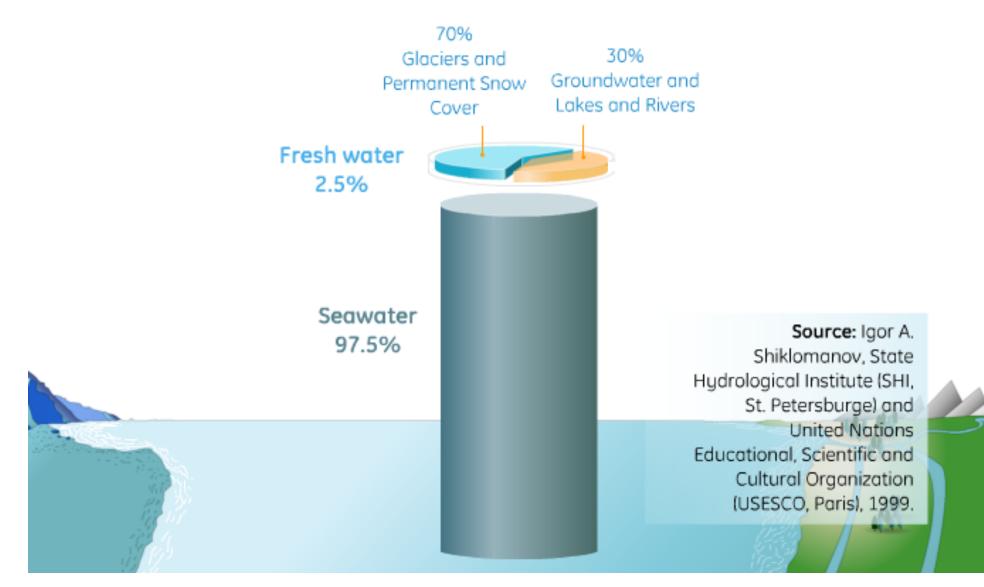
### The population explosion will put even more pressure on this valuable resource



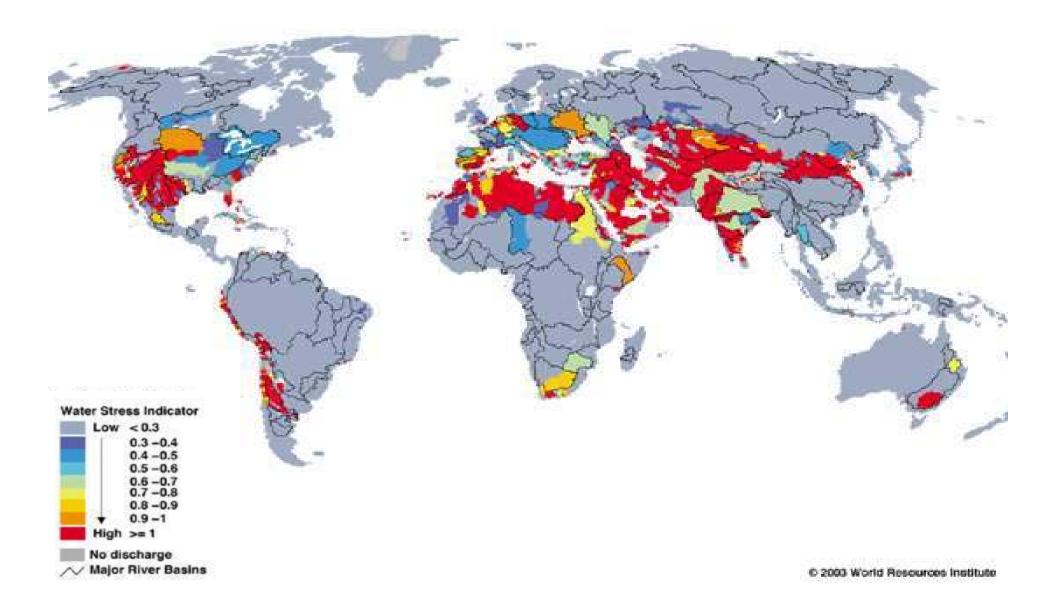




### The Earth's Surface is 70% water . . . Less than 1% is usable



### Today's Water Scarcity



### Creating Economical Sources of New Water

### **GE's Water Scarcity Solutions**



### Desalination



### Water Reuse

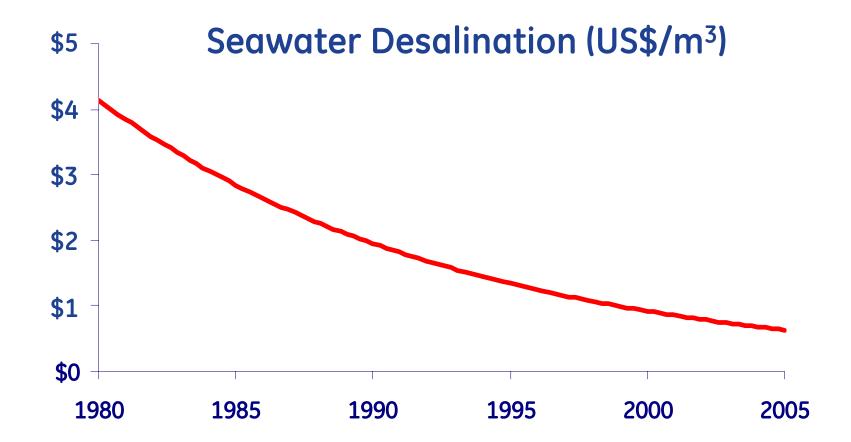
### Creating New Water... Today

- Advanced membrane technology separates salt and impurities from water
- The new water can be used for consumption, industry or irrigation
- ... Lessening our dependence on fresh water sources



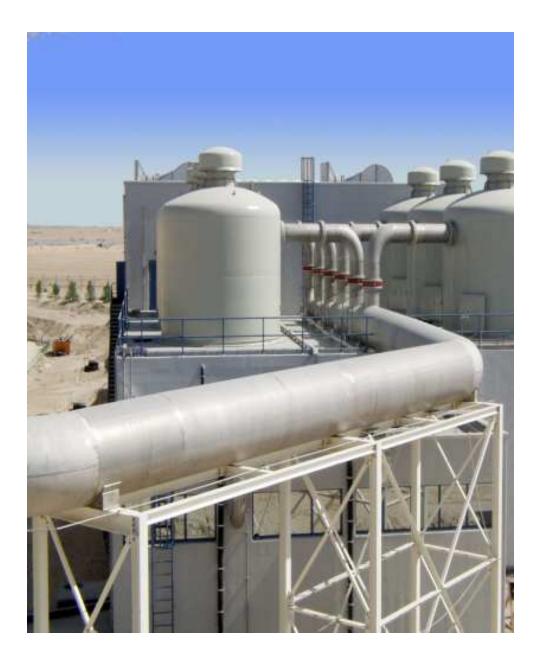


Technology Driving Attractive Economics





### Creating New Water Where It's Needed Most



- Sulaibiya plant in Kuwait
- 375,000 m<sup>3</sup>/day
- Largest wastewater reuse project in the world
- 30 year BOT structure
- Water for irrigation and industrial use

Creating New Water... Tomorrow

Energy ~50% of cost

## **Solutions:**

- Low-energy membranes
- Long life membranes
- Energy recovery technologies
- Renewable energy



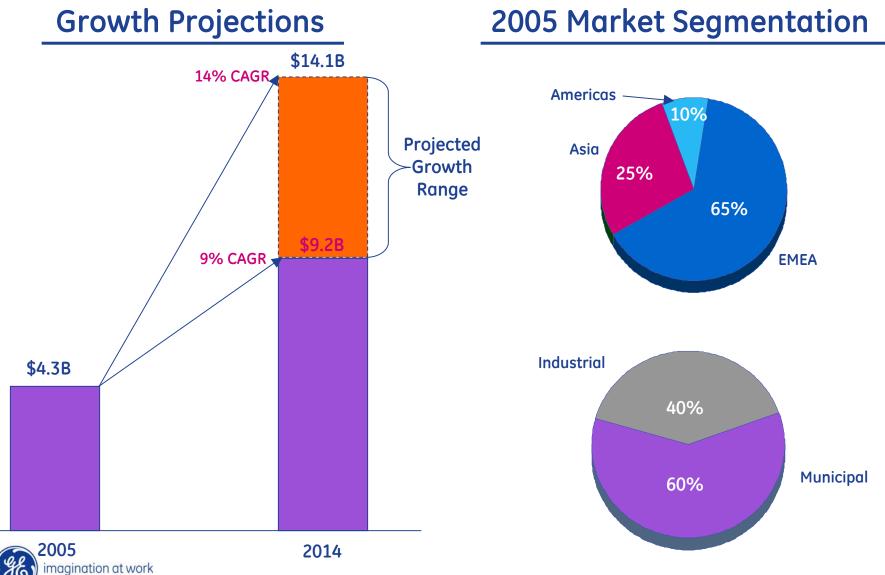


## Emergency Relief in Banda Aceh

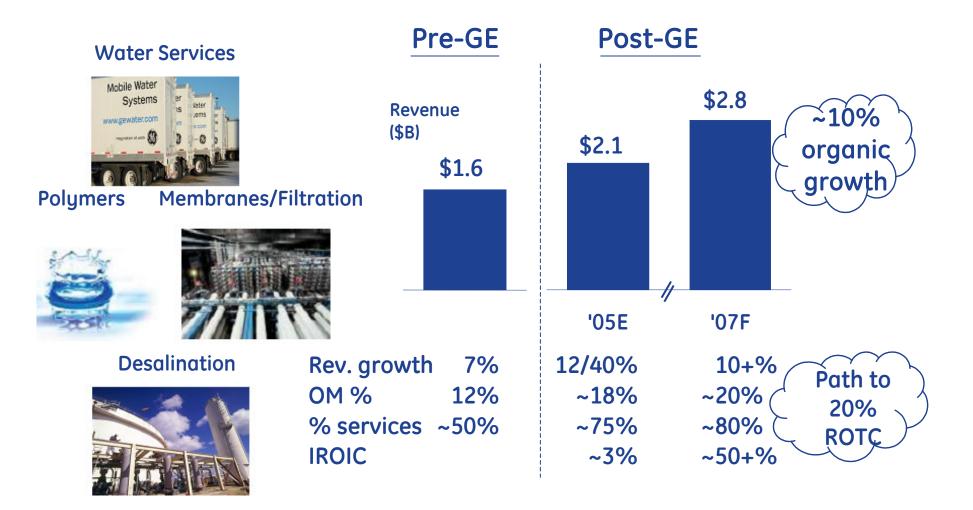
- Two water scarcity trailers immediately deployed
- Water for over 200,000 people
- 500,000 liters/day
- GE donated \$19MM to relief efforts



### Growing GE...



### GE's Water Platform



On strategy ... business with breadth, diversity & real scale

