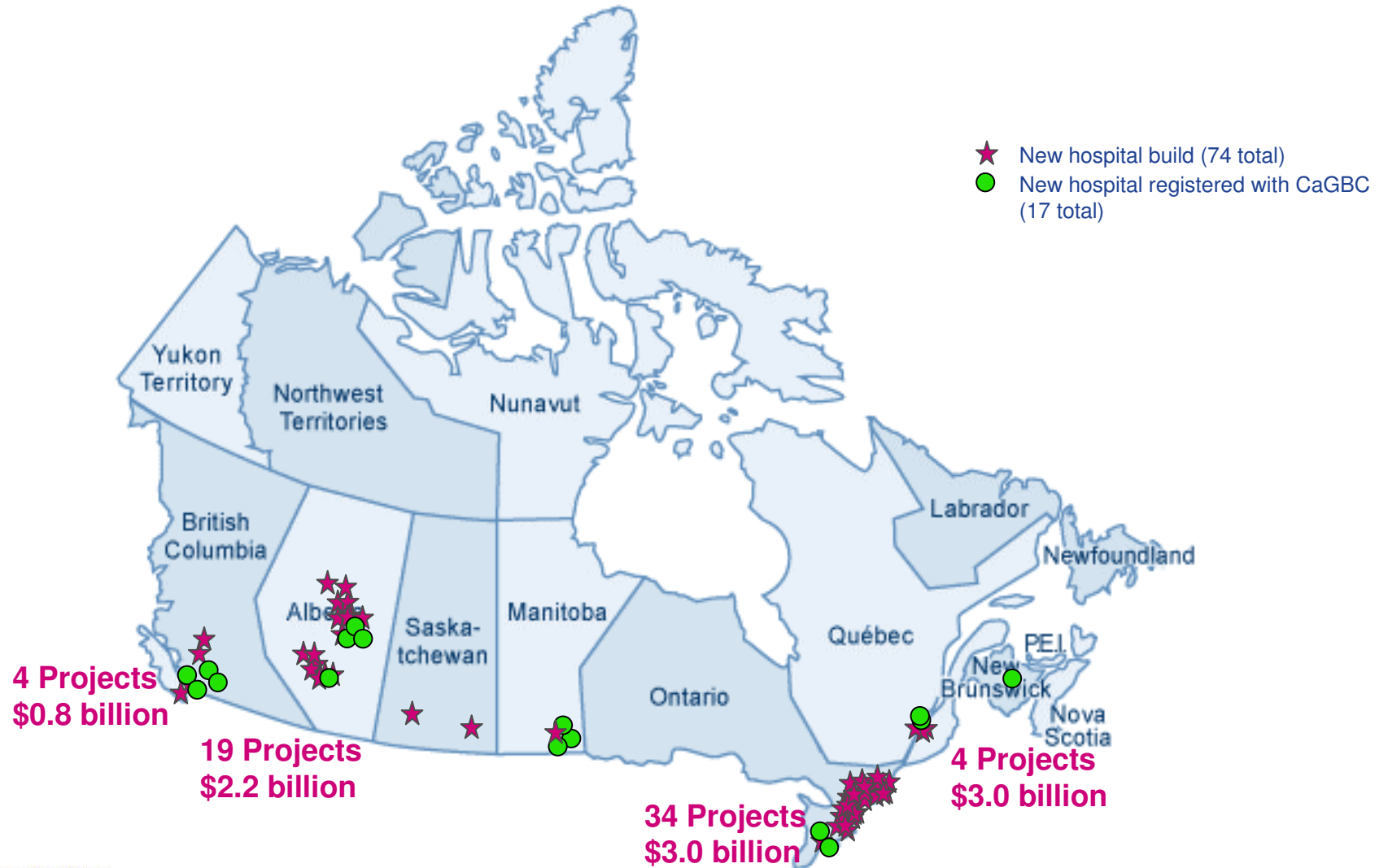


GE Healthcare

Green Hospitals



New Hospitals in Canada



World-wide, buildings account for....

17% Fresh water withdrawals

25% Wood harvest

33% CO2 emissions

40% Material and energy use



What is a green building?



Incorporates site sustainability



Efficient water management



Efficient energy management



Intelligent use of materials and resources



Indoor environmental quality

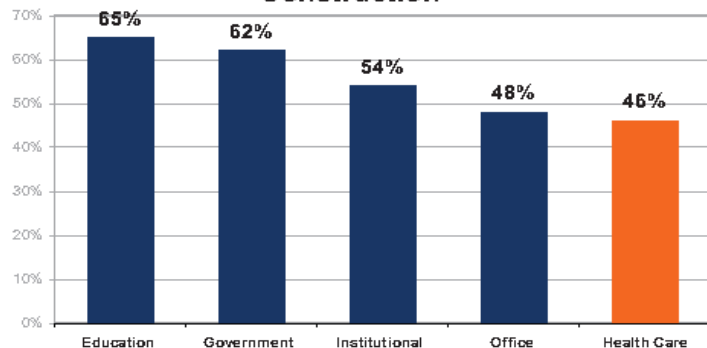


Innovative design to increase productivity



Green hospital construction already at 46% growth

Top Five Sectors Expected to Have Substantial Growth in Green Construction

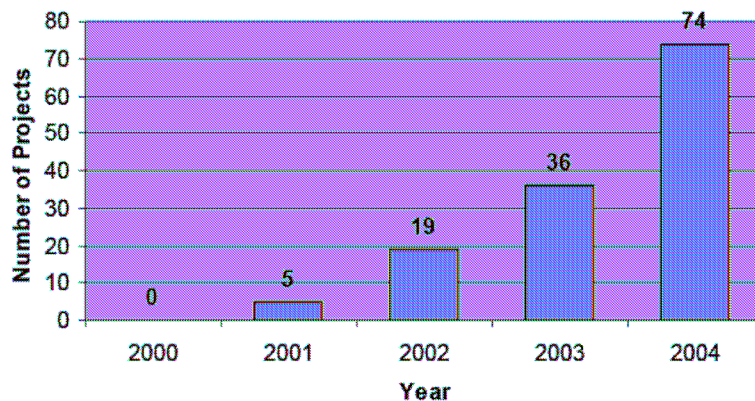


Source: Green Building SmartMarket Report, McGraw-Hill Construction, 2005

GREEN BUILDING IS AN INDUSTRY TREND NOT A FAD



LEED Registered Projects in Canada



The New York Times
Editorial

Build Green,
Make Green

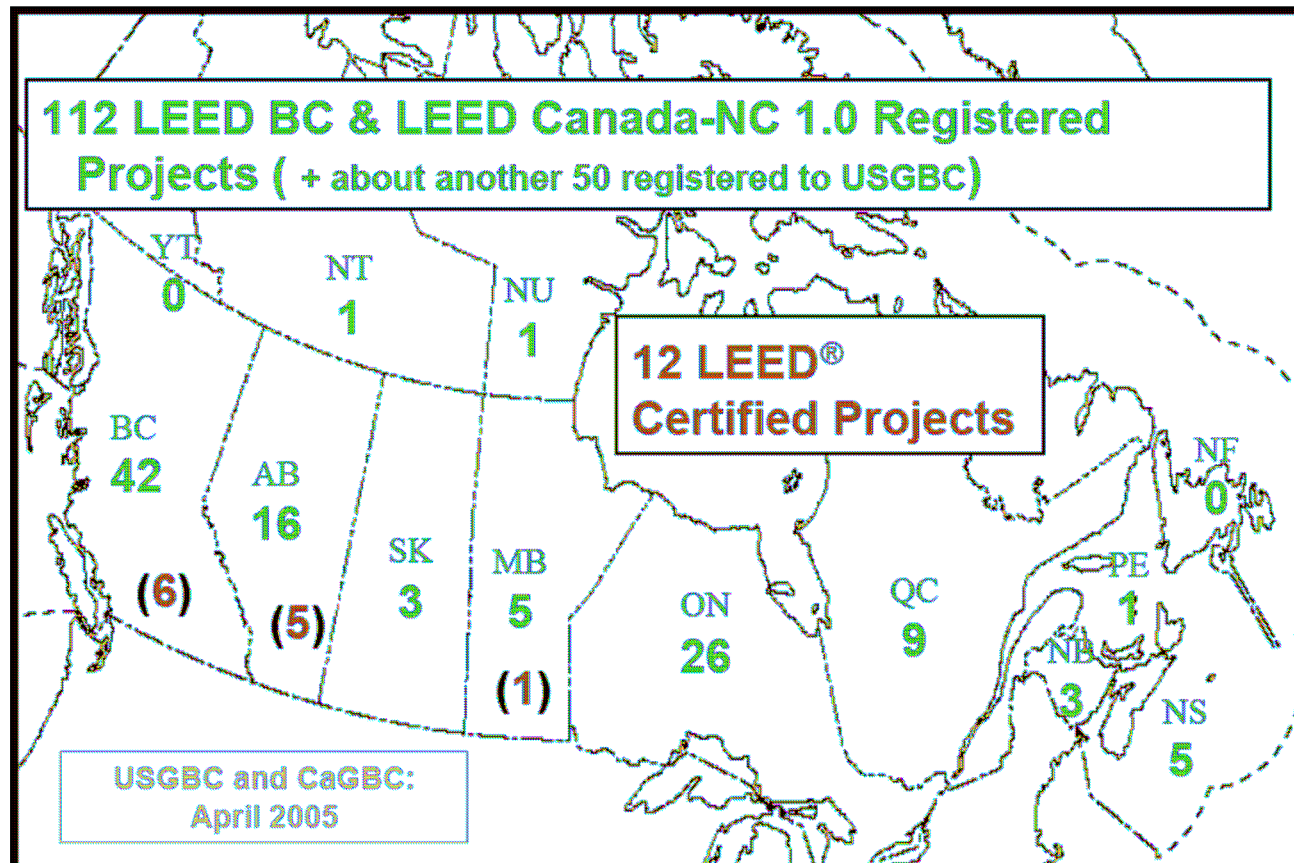
education

ing of America's Campus

ing anymore. The sustainability movement
campuses are built, and how students live

REAL ESTATE

Total LEED Projects in Canada



Perceived benefits of green buildings

8-9% Decrease in operating expenses

7.5% Increase in building values

6.6% Improvement in ROI/Productivity



ecomaginationSM

A new way to think about green

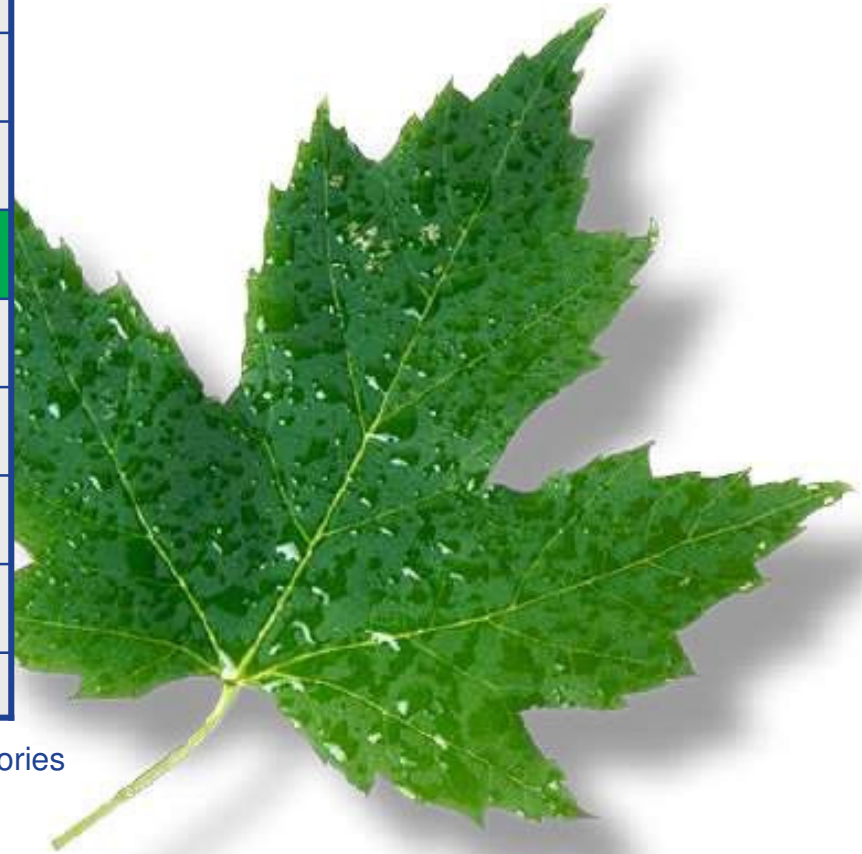
**Focusing GE's imagination
and capabilities on addressing
today's challenges and
developing tomorrow's
environmental solutions...**



GE offerings aligned with green goals

Construction*	GE
Water Efficiency	✓
Energy & Atmosphere	✓
Environmental Quality	✓
Innovation & Design Process	✓
Operations*	
Energy Efficiency	✓
Water Conservation	✓
Chemical Management	✓
Waste Management	✓
Innovation in Operation	✓

* USGBC LEED and Green Guide Categories



efficient workflow

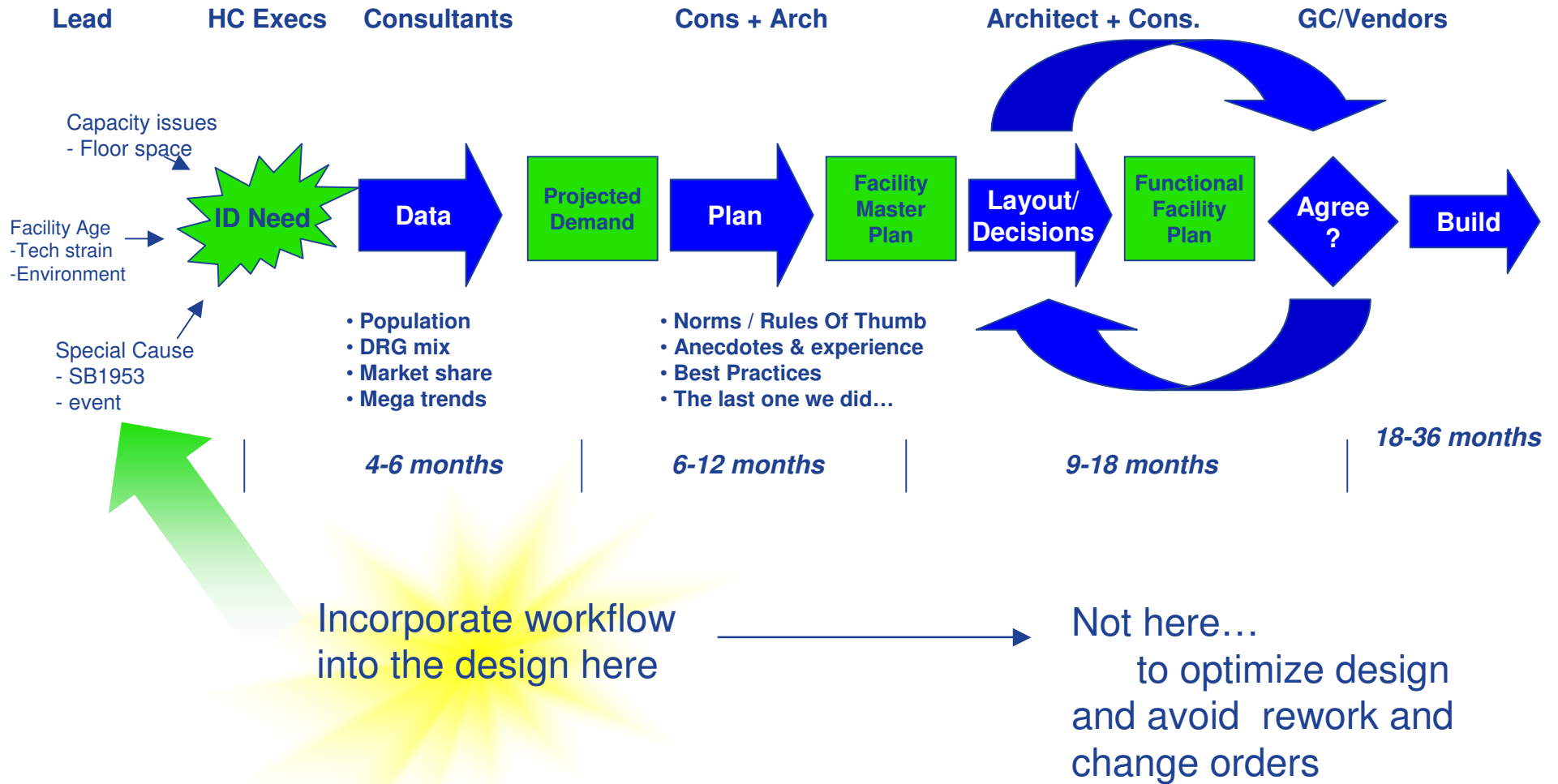
Major improvements possible with
LEAN simulation tools

Optimal design drives multiple
benefits:

- 🍁 Increased staff productivity and satisfaction
- 🍁 Improved patient satisfaction
- 🍁 Decreased congestion



Integrating workflow design into the construction planning process



Lean design examples

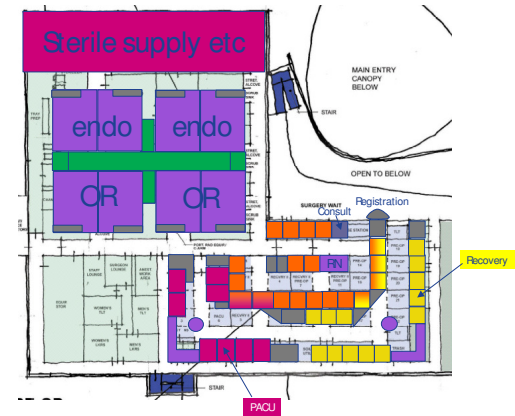
Scenario

Findings / Results

Greenfield ambulatory care facility (ASC, urgent care, DIC w/ supporting areas and MOB space)

Lean based concept
Patient Flow – 17% improvement
Clinician Flow – 39% improvement

Cost & Sq ft neutral

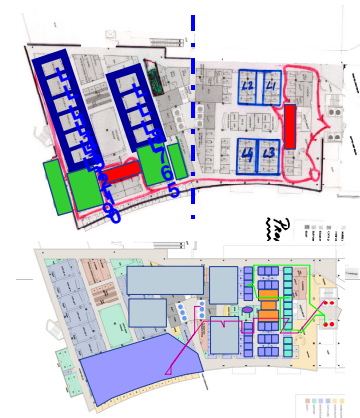


New cardiac tower (addition to tertiary care facility)

Existing plan
Clinician Flow – 60% worse vs current

Lean based concepts
Clinician Flow – 72% improvement

Lean + clinical tech adoption
Avoid “designed in” future WF issues
~25% reduction in sq ft



efficiency through digitization

EMS, HIS, RIS and PACs

Systems

- Information when and where its needed
- Improved efficiency
 - Reduced storage space

Single broadband (or multi-use or

Distributed Antenna System (DAS))

- Wireless and communication needs

Digital Imaging systems

- Reduced film and chemical usage
- Reduced image storage space
- Improved efficiency



efficient water management

Decreased usage & disposal

- Reverse osmosis for increased boiler cycles
- Non metals treatment for closed loop system
- Continuous cost reduction (CCR) bankbook

Infectious Disease Control

- Patented biocide and corrosion products
- Cooling tower microbiological control & potable water options
 - Onsite and remote monitoring



energy efficiency

Lamps

 T8 Linear Fluorescent/ Halogen
HIR

Signage & Architecture

LEDs

Lighting

Compact Fluorescent

Solar power

Building systems

Motors

X\$D ULTRA®



environmental safety & air quality

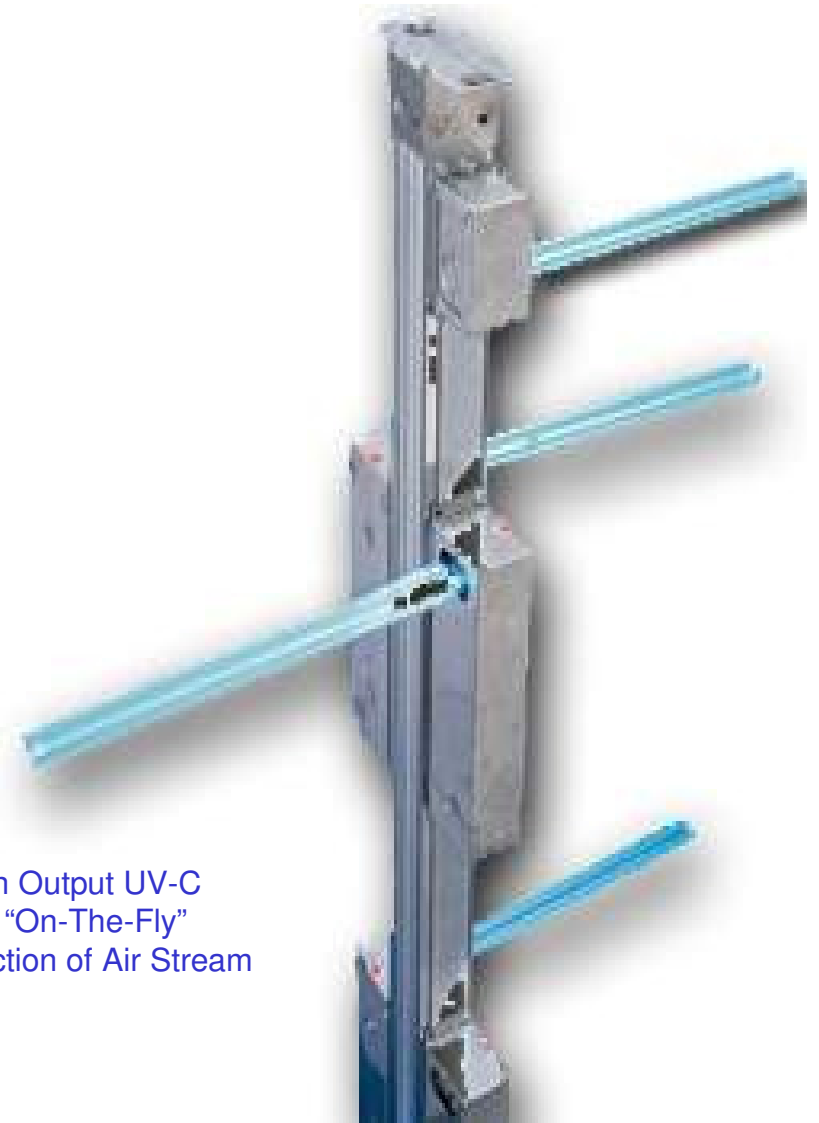
UVGI systems drive quality by decreasing infection cases by an average of 78%

Site	Infection	UVGI type	Infection cases		Reduction
			Before	After	
Duke University Hospital (DUH) ³⁷	Surgical infection	Overhead	5%	1%	80%
Duke University Hospital (DUH) ³⁸	Hip-arthroplasty infection	Overhead	5%	0.5%	90%
Northeast Deaconess Hospital (NDH) ³⁹	Surgical infection	Overhead	15%	6.53%	56%
Infant & Children's Hospital (ICH) ⁴⁰	Surgical infection	Overhead	12.5%	2.7%	78%
Watson Clinic (WC) ⁴¹	Mediastinitis	Overhead	1.4%	0.23%	84%
Average reduction: 78%					
The Cradle (C) ⁴²	Respiratory infection	Upper air	14.5%	4.6%	68%
St. Luke's Hospital (SLH) ⁴³	Respiratory infection	Upper air	10%	6.6%	33%
North Central Bronx Hospital (NCBH) ⁴⁴	TB conversions among staff	Upper air	2.5%	1%	60%
Home for Hebrew Infants ⁴⁵	Varicella epidemic	Upper air	97%	0%	100%
Average reduction: 65%					

Source: Press Ganey Knowledge Summary



High Output UV-C
for "On-The-Fly"
Disinfection of Air Stream





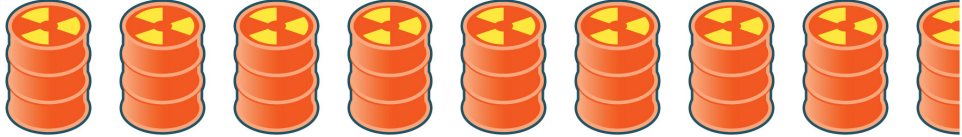







effective safety and security

- Integrated security centers → Intelligent video; single command and control
- State of the art Nurse Call systems → Voice over IP communication; integrated response reporting
- Fire and life safety systems → From access control to intrusion detection
- Breakthrough electrical solutions → Synchronized, real-time information from every circuit breaker, simultaneously processed in one place
- Data center power quality options → Customized uninterruptible power supply



GE Eco Impact for Typical Hospital

<p>Carbon Footprint (Lighting)</p>		<p>Pollution equal to 1 car's output for the year</p> 
<p>H₂O (Water)</p>		<p>One Olympic swimming pool (660,000 gallons)</p> 
<p>Chemical Avoidance (Analog to Digital)</p>		<p>2000 gallons of chemicals</p> 
<p>Paper (Digital Hospital)</p>		<p>One ton (2,000 lbs) of paper waste reduction</p> 
<p>Waste (X-ray Film)</p>		<p>40 cubic yard dumpsters of x-ray film</p> 

The goal is to deliver through all phases of **green**



Planning insights for anticipated changes in technology and clinical practices



Upfront workflow design helping to optimize efficiency for patients, staff and physicians



Resource conserving infrastructure products



Ability to finance a broad range of assets

The next generation will increase demand for green building

- 89%** Will choose brands aligned with social causes
- 74%** Will listen to brands aligned with social causes
- 69%** Will shop for brands aligned with social causes
- 66%** Will recommend brands aligned with social cause



A close-up photograph of a vibrant green maple leaf with distinct veins and serrated edges. The leaf is set against a white background with a subtle, light gray shadow effect. The text "Thank You" is centered over the leaf in a clean, white, sans-serif font.

Thank You