

# United Technologies Corporation Sustainable Design Strategy 联合技术公司可持续性设计战略

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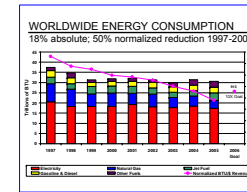
## UTC Sustainability Initiatives 联合技术可持续性行动

- Internal Initiatives: UTC has committed to significant energy and emissions reductions in all operations

内部行动：联合技术致力于把节能减排的理念贯穿到所有行动中

- Public Initiatives: UTC is working with leading organizations and the Chinese MOC to demonstrate advances in sustainable design

公众行动：联合技术与建设部及相关领导机构合作展示可持续性设计方案的优越性



2007-2010 EH&S GOALS  
From compliance → conservation → value chain

Category	Metric	UTC Proposed 2007-2010 Goal	UTC Past Performance
Operations	Net Greenhouse Gas Emissions	20% reduction	15% reduction
	Scope 1 & 2 Emissions	25% reduction	20% reduction
Manufacturing	Energy Intensity	25% reduction	20% reduction
	Water Intensity	25% reduction	20% reduction
Product Development	Embodied Energy Intensity	25% reduction	20% reduction
	Embodied Carbon Intensity	25% reduction	20% reduction
Supply Chain	Supplier Energy Intensity	25% reduction	20% reduction
	Supplier Carbon Intensity	25% reduction	20% reduction



WBCSD Project: Energy Efficiency in Buildings

Project Vision

A world where buildings consume zero net energy



## UTC Sustainability Initiatives in 2008

- By policy: all new construction to be LEED™ certified, initial Gold target
  - Globally 10 new construction projects, 6 in China
  
- Pilot Program: Process and investment for existing building certification being developed
  - Globally 8 EB projects started, 3 in China
  - Apply LEED™ design principles to help channel \$100 M USD capital investment
  
- Both NC and EB projects contributing to 2010 EH&S Goals
  - Applied to ~10 M m<sup>2</sup> occupied space globally

## ENVIRONMENT, HEALTH & SAFETY 2010 goals – Absolute Reductions

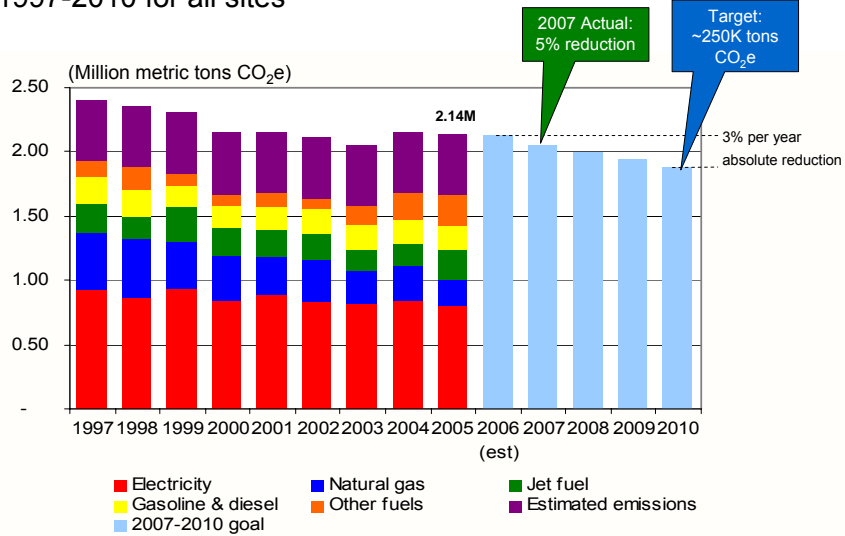


### Factory & Operations Metrics



*UTC has a disciplined and proven approach to profitability and environmental responsibility*

**UTC CO<sub>2</sub>e EMISSIONS**  
1997-2010 for all sites



**Pratt & Whitney-China Eastern Airlines**  
Shanghai Engine Maintenance Company

- LEED Platinum Target
- Building design integrated with business process in concept design phase

