

# Infosys data

In 2007-08

**Building energy: 200 units/sqm per year**

- Average for software buildings (incl. lights, AC, computers, etc.)

**Lighting design: 1.2 W/sqft**

- Average for software buildings across campuses

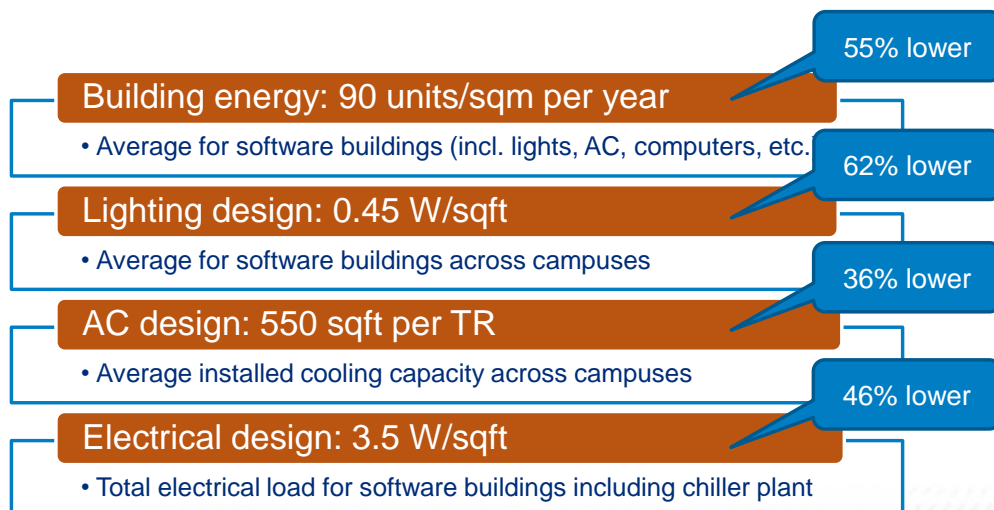
**AC design: 350 sqft per TR**

- Average installed cooling capacity across campuses

**Electrical design: 6.5 W/sqft**

- Total electrical load for software buildings including chiller plant

In 2011-12



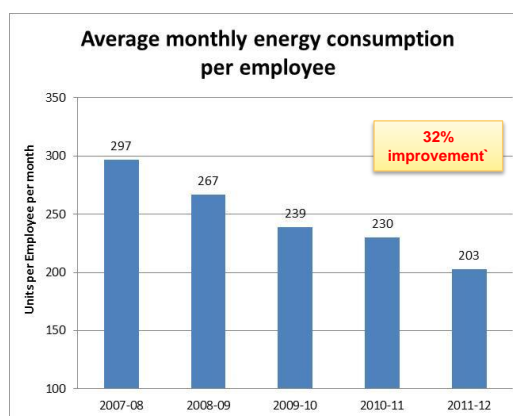
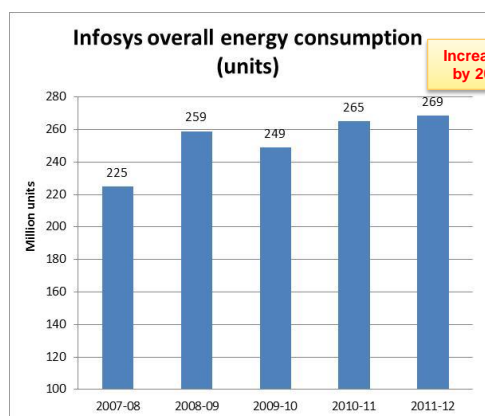
## Promote interaction between design consultants

- Building envelope performance as part of the architect's contract
  - Maximum envelope load parameter
- Day lighting criteria as part of architect's contract
  - Day lighting to be achieved as per LEED/GRIHA standards
- Performance criteria for HVAC consultant
  - Criteria on overall energy efficiency of the system

## Electrical Design

Sl. No.	System Description	Units	Old	New
01	Lighting	W / Sq.Ft	1.20	0.40
02	Lifts / Geyser / Coffee machine / Hand dryer	W / Sq.Ft	0.50	0.20
03	Server & Hub Room - IT	W / Sq.Ft	0.20	0.20
04	Computers	W / Sq.Ft	1.50	1.00
05	Office Air-Condition	W / Sq.Ft	1.30	0.70
06	Chiller plant	W / Sq.Ft	1.80	1.00
	<b>TOTAL</b>	<b>W / Sq.Ft</b>	<b>6.50</b>	<b>3.50</b>

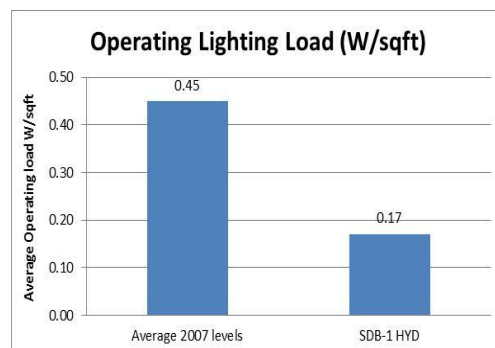
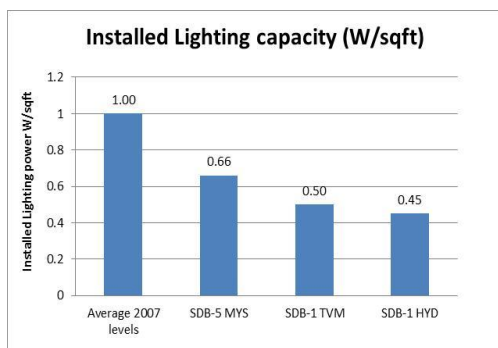
## Energy efficiency at Infosys (India operations)



Savings equivalent to 292 million units since 2007-08

## Lighting system

New buildings lighting design 50% more efficient than global ASHRAE standards

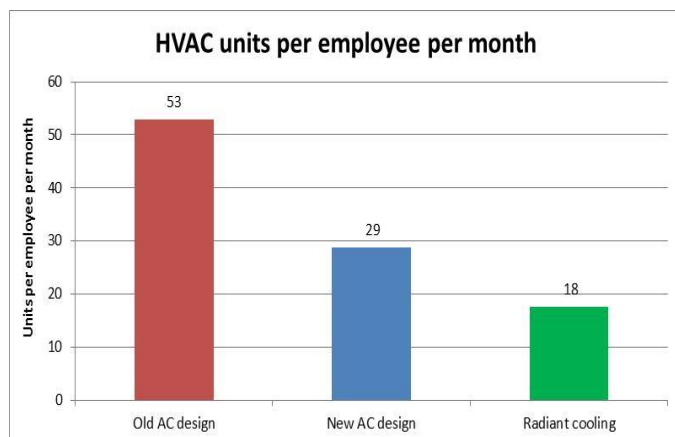


**2X** reduction in the installed lighting load

**~3X** reduction in lighting energy consumption

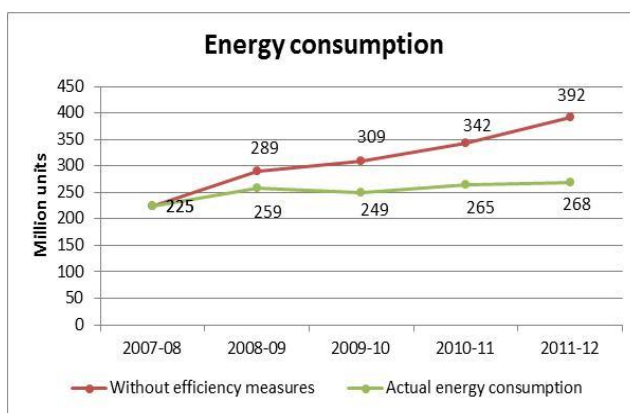
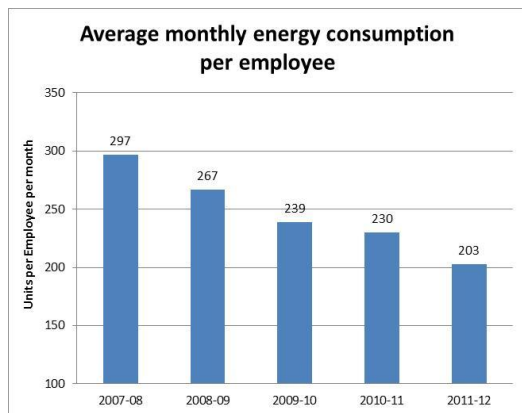
## Air Conditioning system

New buildings AC design 50% more efficient than global ASHRAE standards



- Figures based on actual measured data in Hyderabad campus for 2011-12
- 3X** improvement in efficiency compared to 2007 design
- Radiant cooling at no additional cost !

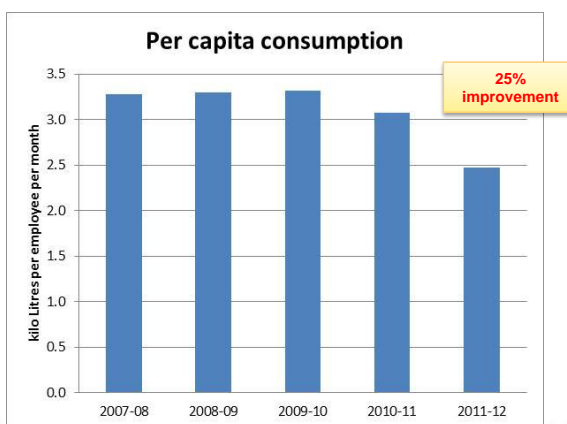
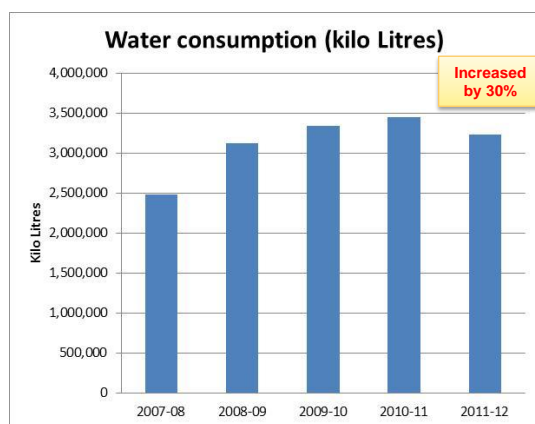
## Impact of Energy Efficiency Initiatives to the bottom line



32 Million USD saved in 4 years !

Investment made: <10 Million USD

## Water efficiency at Infosys (India operations)



Savings equivalent to 1.36 billion litres since 2007-08

## Sustainability @ Infosys

- 5 LEED Platinum certified buildings in India (over 1.2 million sq.ft.)
- Over 5 million sq.ft. of new buildings in various stages of green building certification
- Infosys has redefined benchmarks for energy efficiency in Indian industry.
- Infosys is now an industry leader in energy efficiency in India.

## How Infosys achieved these goals?

- Set unreasonable targets
- Question every assumption
- Right design and right engineering
- DATA monitoring & control to ensure consistent performance
- Showing social and environmental responsibility and leadership