





## The Challenge v/s the present

### Excessive...



SPACE MATRIX

11/27/2013



... use of steel and glass





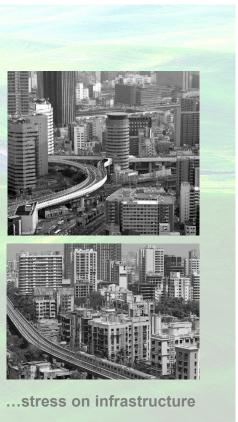
Excessive...

SPACE MATRIX



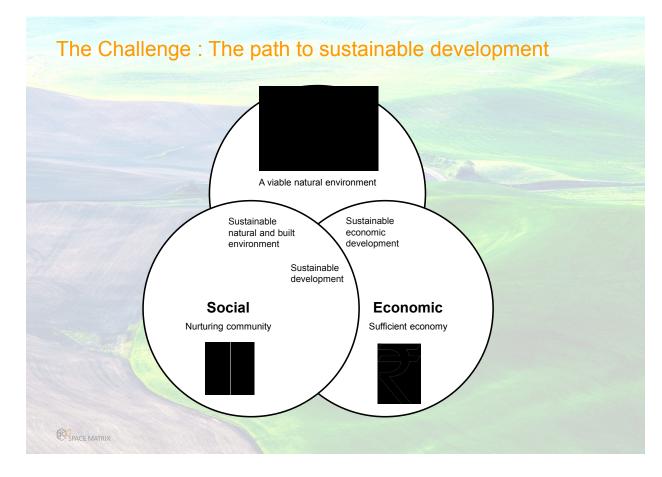


...gated and golf communities









# The Challenge : The path to sustainable development

-	Making building more energy efficient and renewable technologies.
-	Reducing waste, reusing where possible, waste to landfill.
-	Encouraging low carbon modes of transpo the need to travel.
-	Using sustainable and healthy products, w locally, made from renewable or waste res
Sai-k	Choosing low impact, local, seasonal and
-	Using water more efficiently in buildings and local flooding and water course pollution.
-	Protecting and restoring existing biodivers appropriate land use and integration into t
-	Reviving local identity and wisdom, suppo arts.
-	Creating bioregional economics that supplicements of the supplicement of the supplicem
-	Encouraging active, sociable, meaningful being.

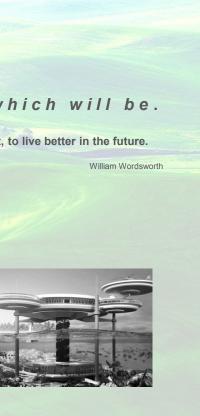




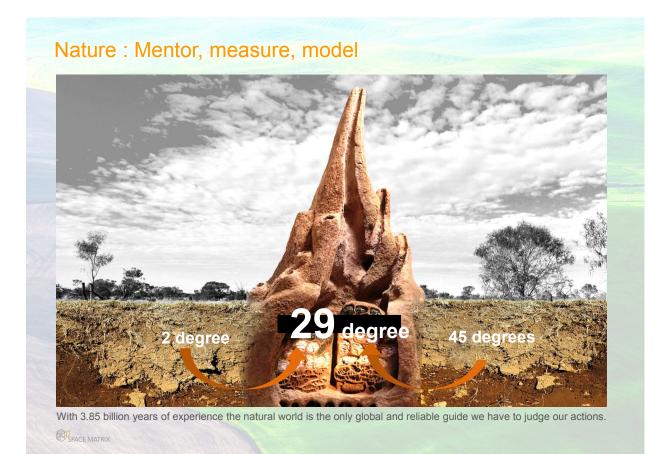
# The Challenge

Life is divided into three terms – *that which was, which is, and which will be.* Let us learn from the past to profit by the present, and from the present, to live better in the future. William Wordsworth





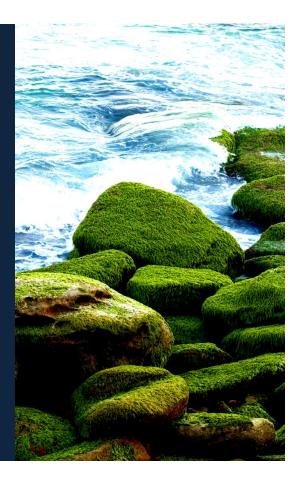




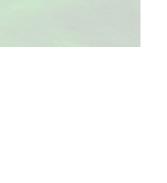
### Case study

Central University of Tamil Nadu

Thiruvarur Site Area : 517 Acres Built up area : 27,00,000 sqft

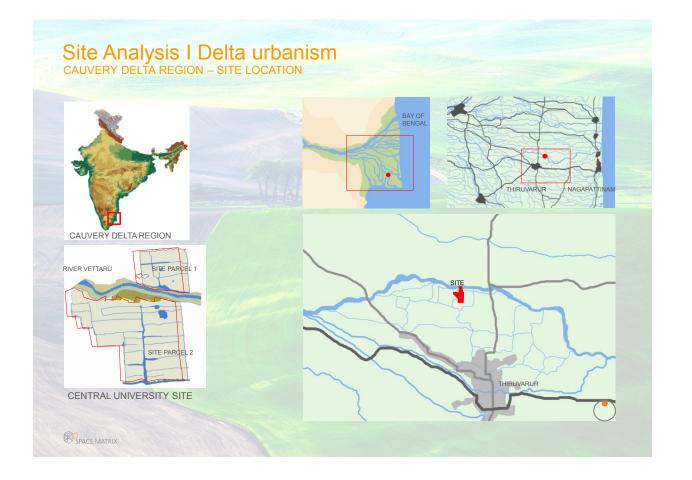


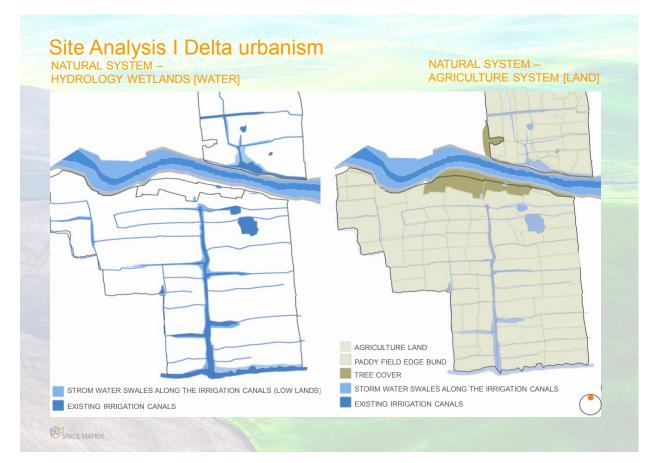


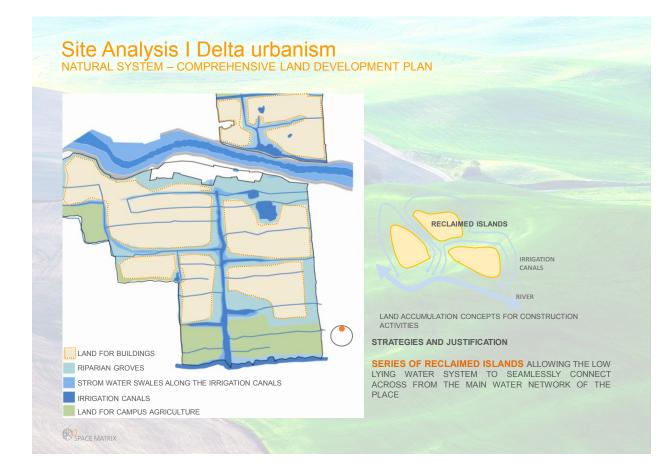










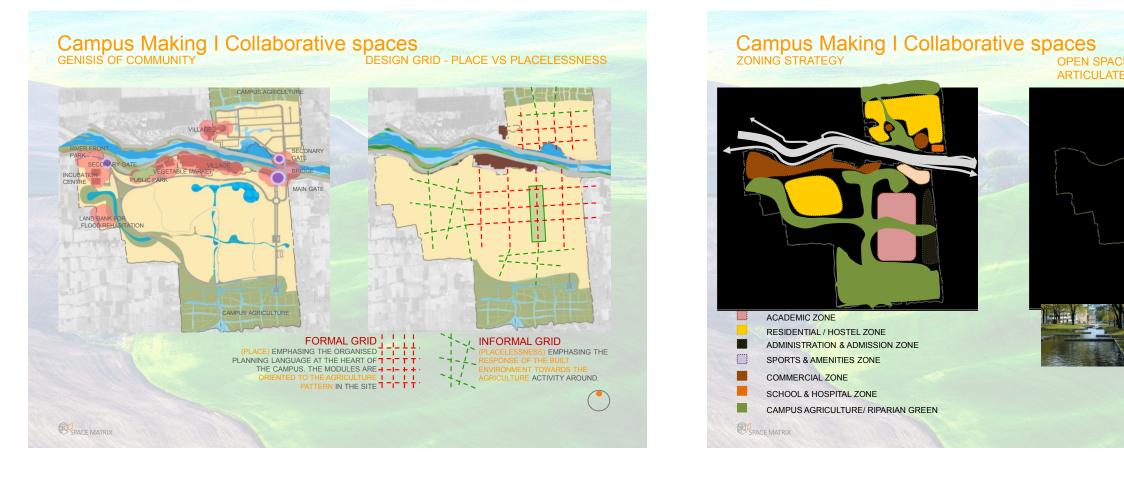














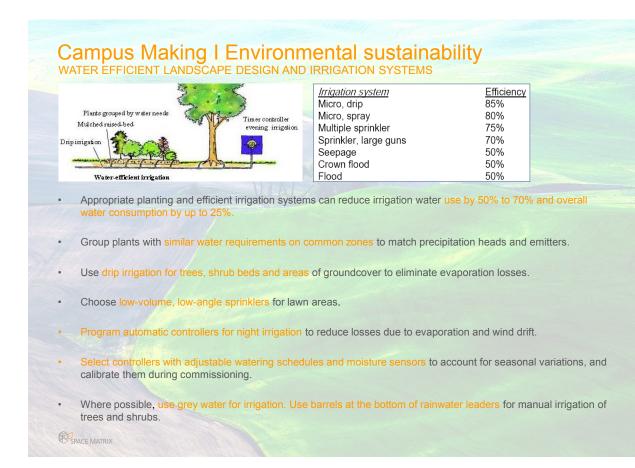


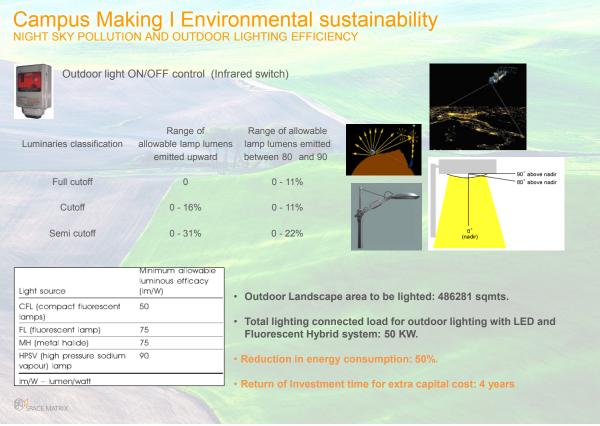
### Campus Making I Environmental sustainability A CHAMPION OF ENVIRONMENTAL STEWARDSHIP

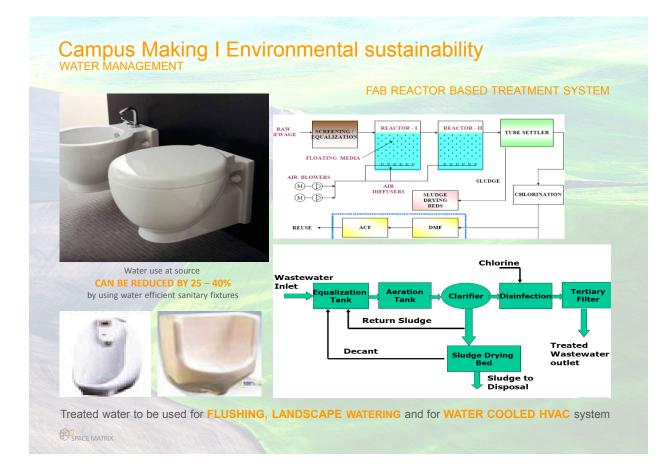
•SUSTAINABLITY INTRINSIC TO DESIGN
• INNOVATIVE USE OF NATURAL RESOURCES
•A PLACE WHERE PRODUCTION AND CONSUMPTION CO-EXIST
•CENTRE FOR ECOLOGICAL EDUCATION
•CENTRE FOR ORGANIC FARMING

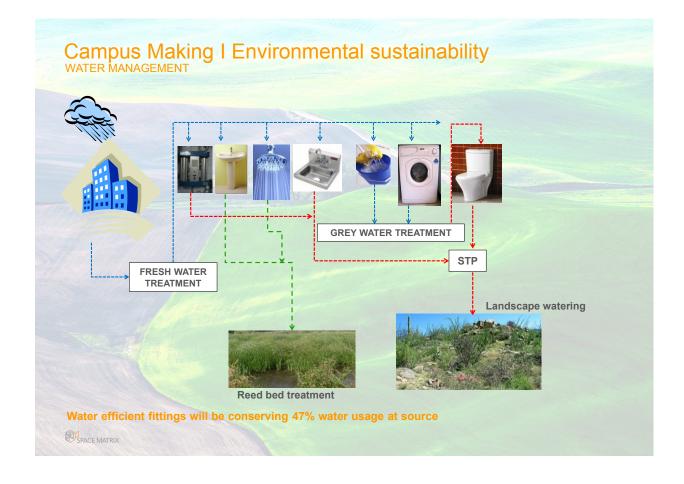












# Campus Making I Environmental sustainability



SOLAR THERMAL

### Provide 100% hot water

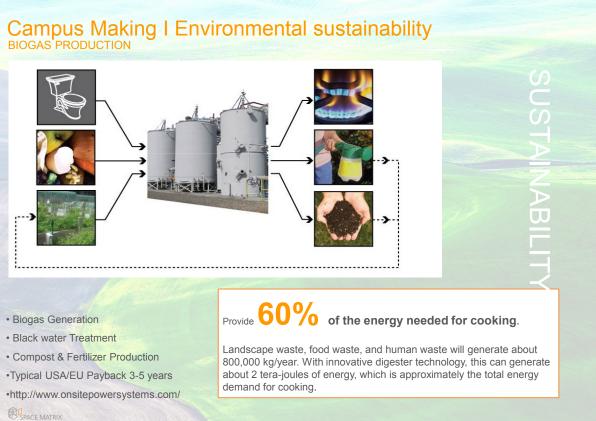
All of the total hot water needed in this development can be provided with1,900 sq m, which as about 6% of the total roof area.

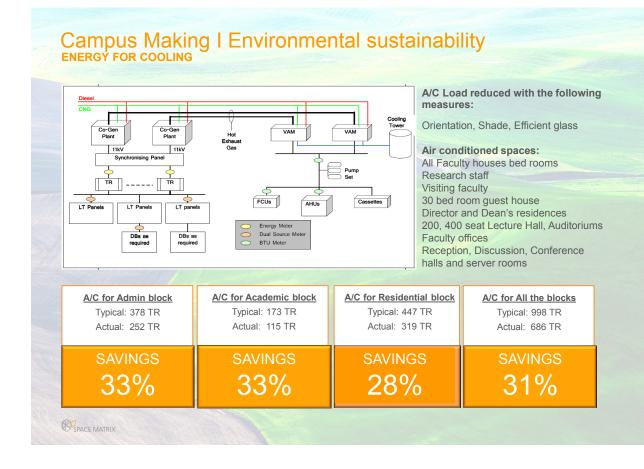
SPACE MATRIX

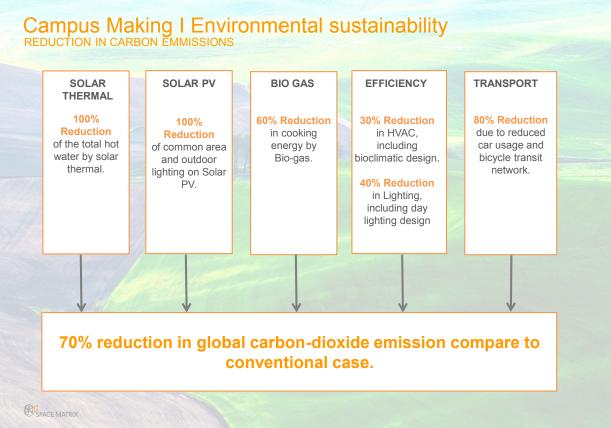


Provide 100% lighting energy

With the remaining roofing area, the project can generate about 420 MWh/ yr, which is approximately the energy needed for lighting.

















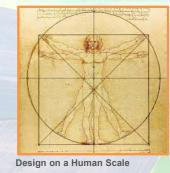








# Livable Communities......10 principles





Provide Choices - variety





Preserve Urban Centers







