

DECODING SUSTAINABILITY

- A R Unnikrishnan

Saint-Gobain

19th February 2016, New Delhi





Verb - convert (a coded message) into intelligible language. "he put down the phone and decoded the message"

Synonyms - decipher, decrypt, unravel, untangle, work out, sort out, piece together, solve, interpret, translate, construe, explain, understand, comprehend, apprehend, grasp.





MEANING FOR SUSTAINABILITY



Energy saving



Reduced use of natural resources



Too technical



Literally a coded language for many !



Frugal operations



Too costly capex

...all positive in reality....

....but

....feeling of compromise, sacrifice....difficult to comprehend







Turn it around on its head.....

....Sustainability is Sustained Comfort.....





COMFORT IN NUMBERS MULTICOMFORT CRITERIA DEVELOPMENT



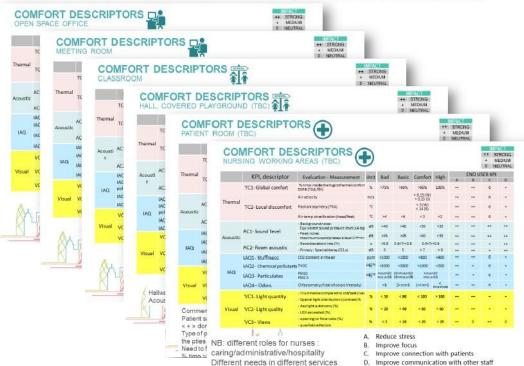
Building solutions Performance parameters for walls, windows, floors, ceilings...





MEANING FOR SUSTAINABILITY

COMFORT DESCRIPTORS BY PURPOSE, BY TYPE OF OCCUPANCY







MEANING FOR SUSTAINABILITY

BETTER POWER OF EVIDENCE THINKING BY THE NUMBERS HARVARD PUBLICATION Short running title: Green buildings and cognitive function Full title: Associations of Cognitive Function Scores with Carbon Dioxide, Ventilation, and Volatile Organic Compound Exposures in Office COGNITIVE RESULTS Workers: A Controlled Exposure Study of Green and Conventional BY INDOOR ENVI Office Environments Advance Publication: 26 October 2015 ENVIRONMENTAL HEALTH PERSPECTIVES 0 OPTIMIZED ENVIRONMENT FOR PRODUCTIVITY CONVENTIONA CONVENTIONAL BUILDINGS ▲ 950 600 40 Methods: Twenty-four (24) SCORE \$ 20 participants spent 6 full BREAKDOWN 1 50 work days (9 a.m. - 5 p.m.) 0 500-700 in an environmentally controlled office space, 299% BEST OBSERV blinded to test conditions. PERFORMANCE 288% **STRATEGY** 151% C BILLE BACKDONES 48% 47% BRUNDTH OF APP 5 CRISIS RESPO STRATEGY 36% APPLIER ACTIVITY LEVEL 36% *131* *288× 11% 299×



DESIGNING FOR SUSTAINABILITY





DESIGNING FOR SUSTAINABILITY







SKILLING FOR SUSTAINABILITY













GLASS ACADEMY









Engage

Agile, dynamic, adaptable, inspiring, comfortable, bright, fun

Useable

Functional, learnable, usercentred



Empower Welcoming, inclusive, nurturing, secure, motivating, accessible

Supportive

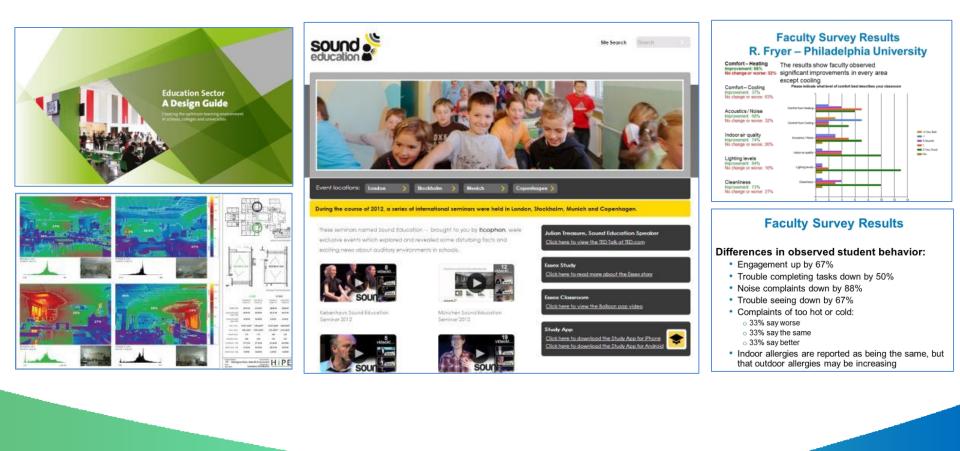
Sustainable, maintainable, robust, safe, healthy







FUTURE FOR SUSTAINABILITY









for Sustainability



Thank You!

