

Pope Francis: 'Revolution' needed to combat climate change

By Daniel Burke CNN June 18, 2015

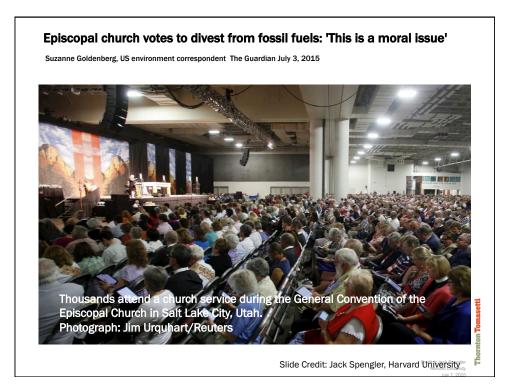
"..the heedless worship of technology, our addiction to fossil fuels and compulsive consumerism – the Pope said humanity's "reckless" behavior has pushed the planet to a perilous "breaking point."

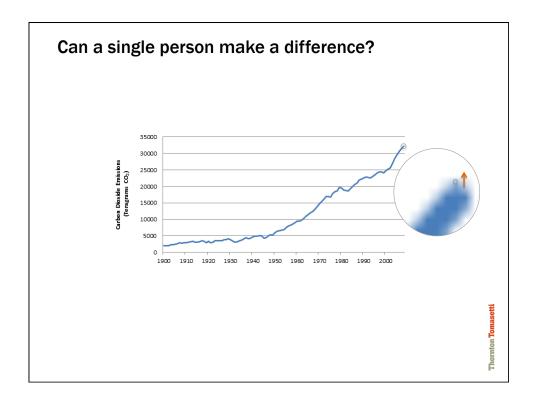


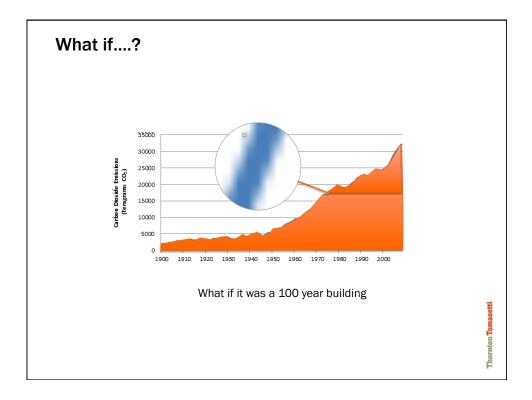
Slide Credit: Jack Spengler, Harvard University

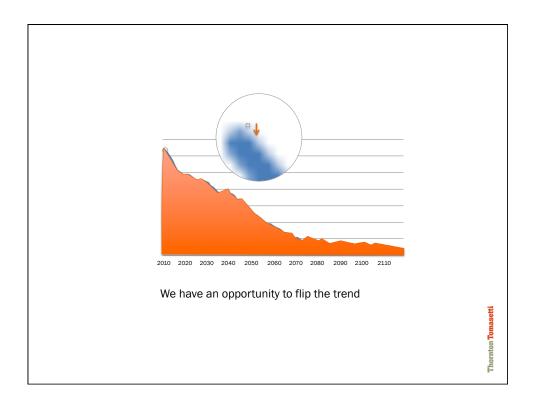
Toma

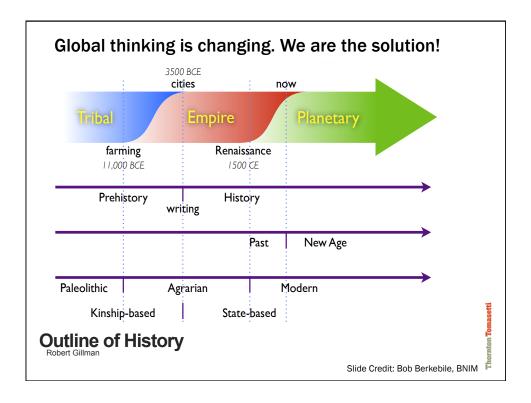
Thornton

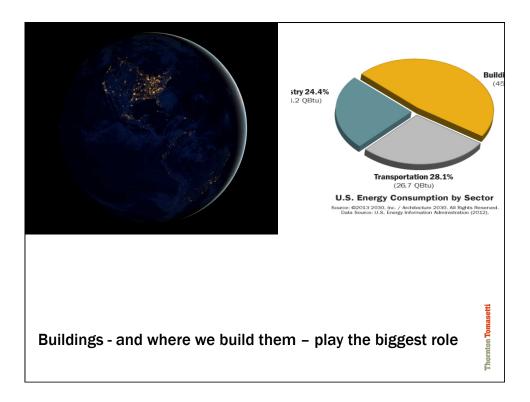


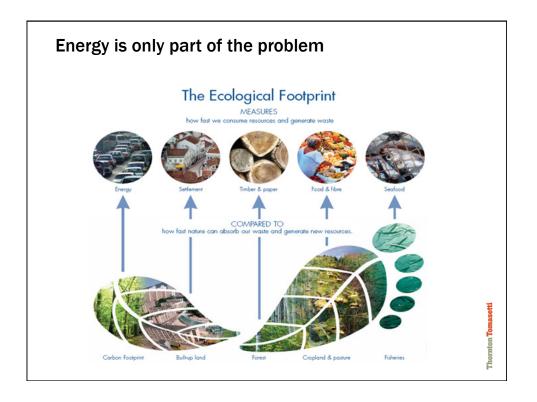


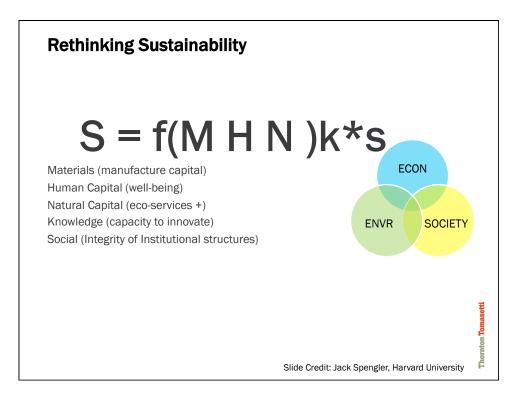


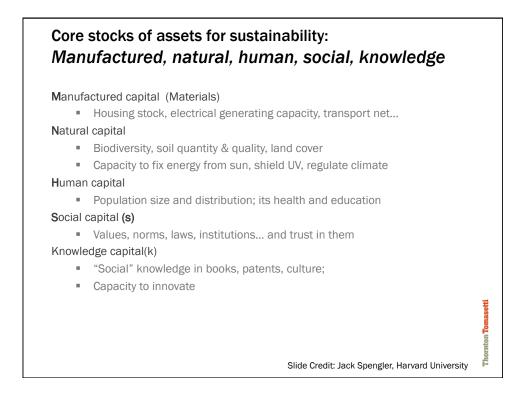


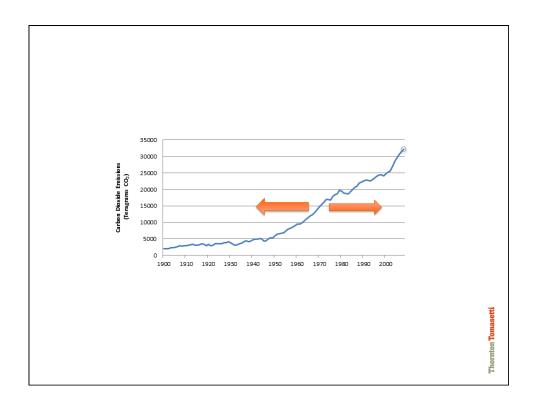


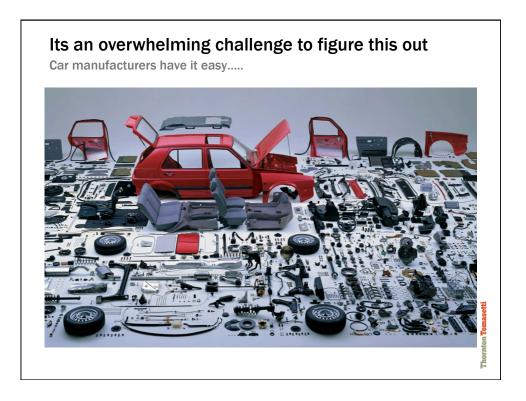


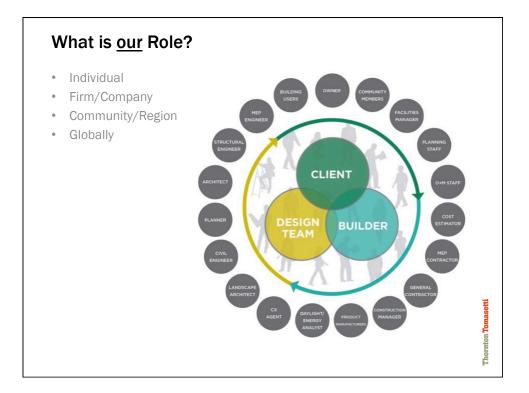


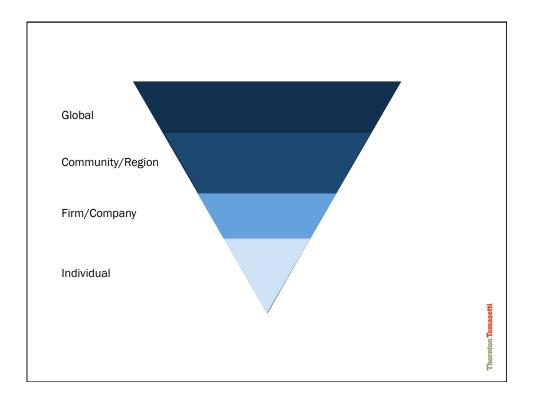


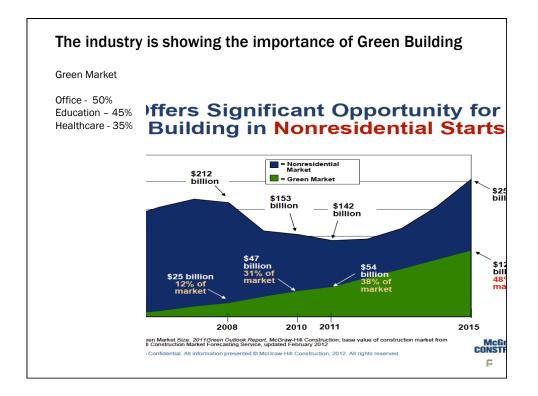




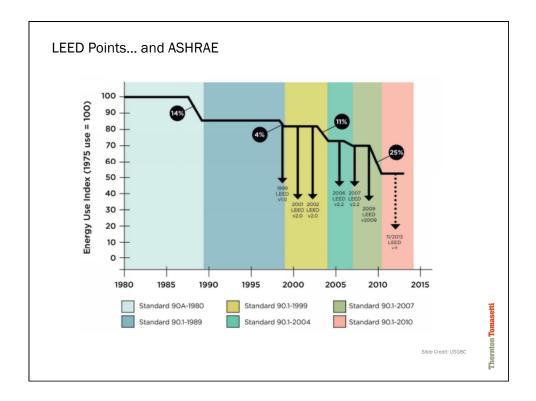


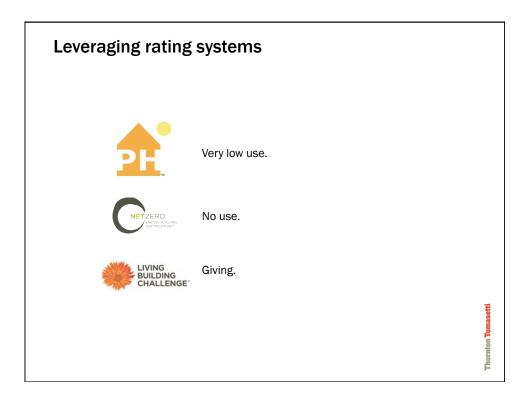


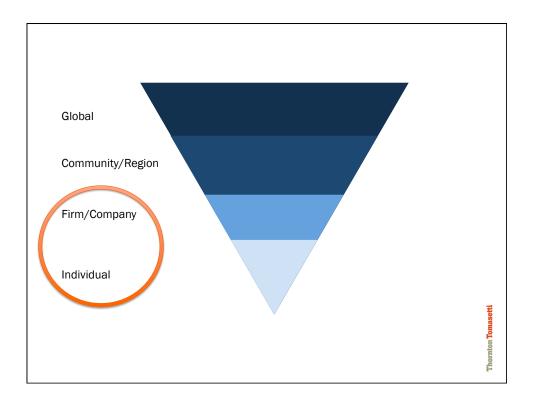


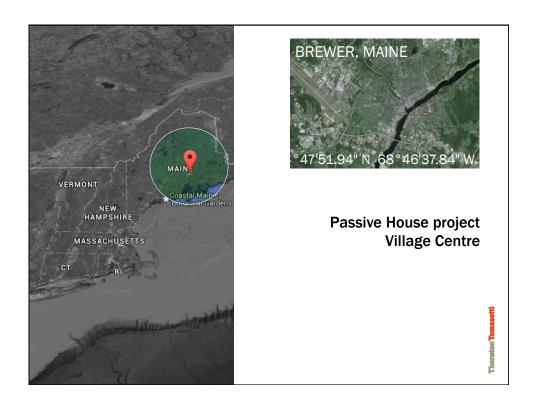




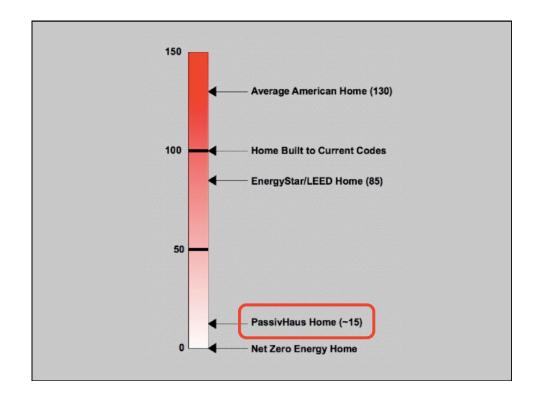


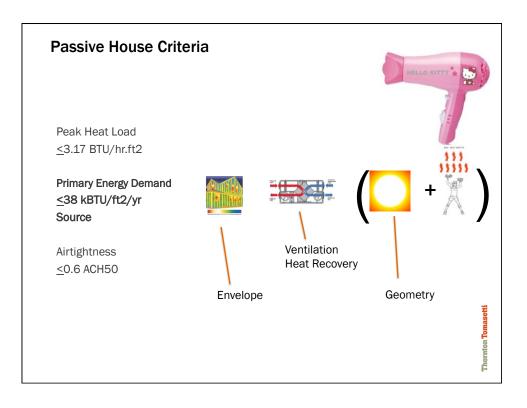




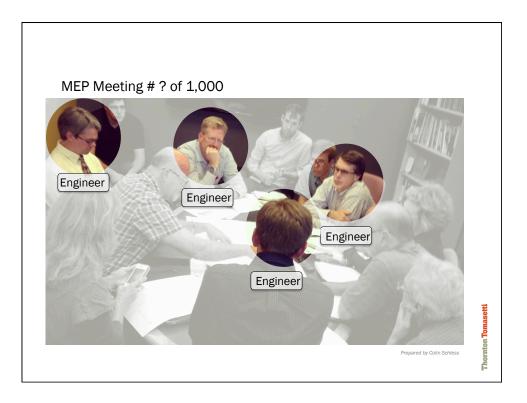


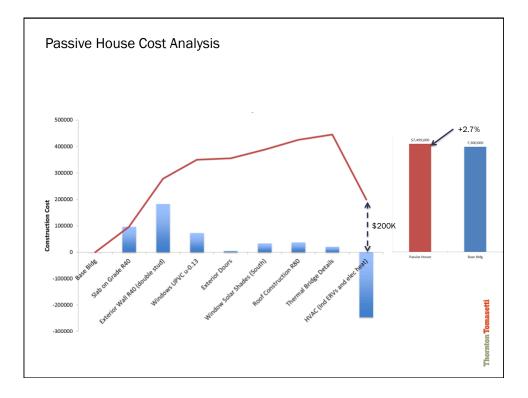












At TT, our sustainability consultants...

We are building analysts, architects, engineers, building scientists, material specialists, facilitators.

Who makes up your team?

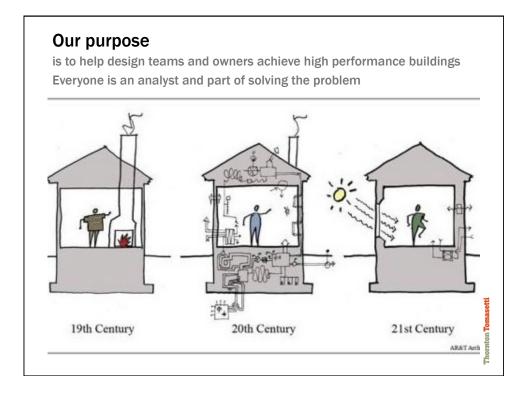
How do you approach projects?

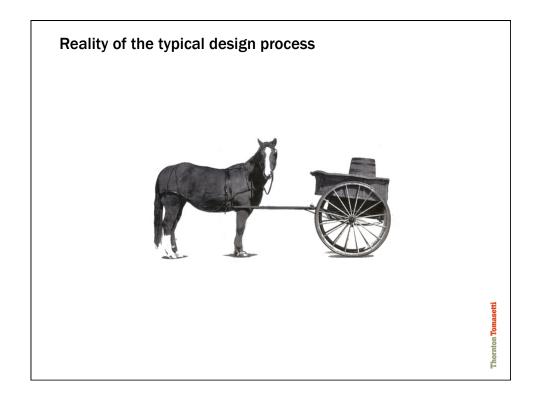


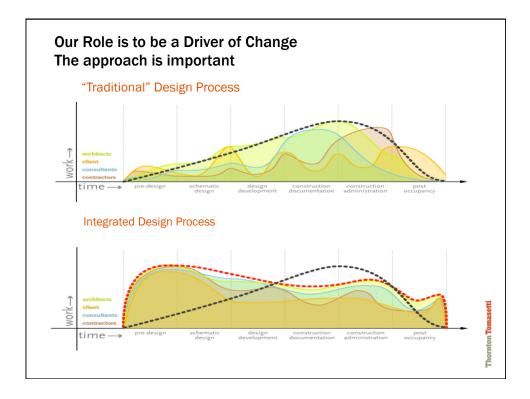
STRATEGIZE Sustainable Strategies EDUCATE 109-11 Education and Training ANALYZE **Building Analytics** Sustainability Practice CERTIFY RENEW Existing Buildings **Building Certification** etti Thornton Tor

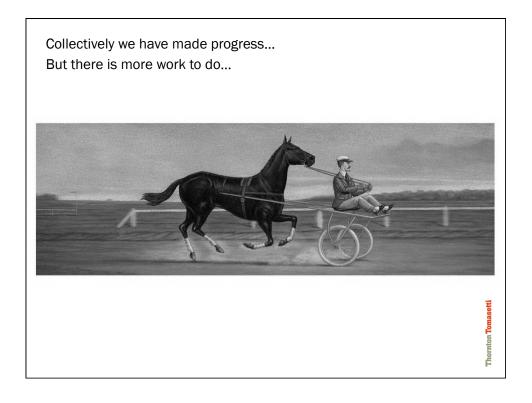
left: CityCenter Las Vegas, MGM MIRAGE; Top Right, MOBE, FxFowle



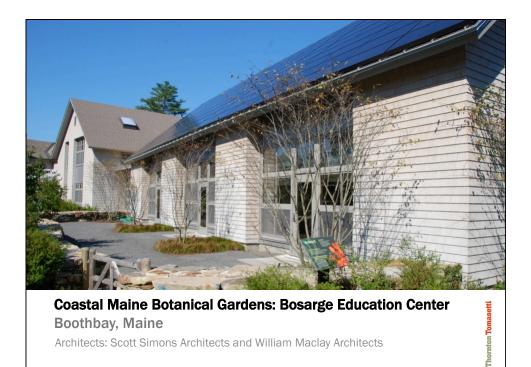




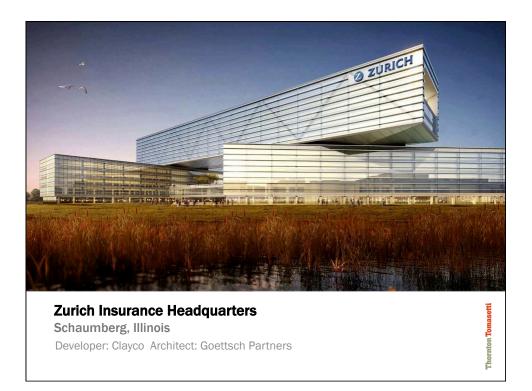


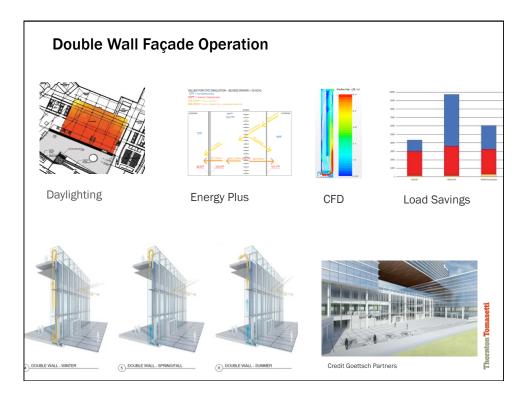






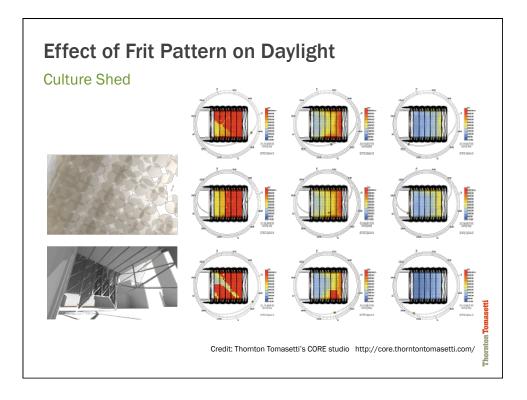


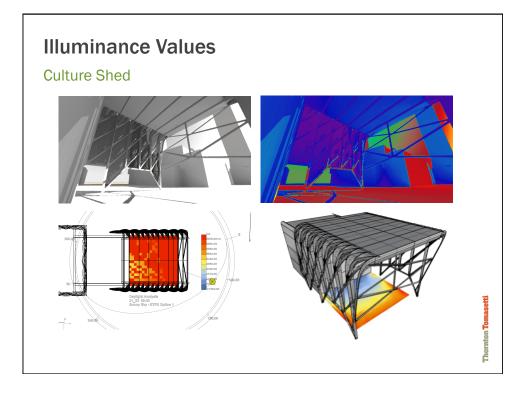




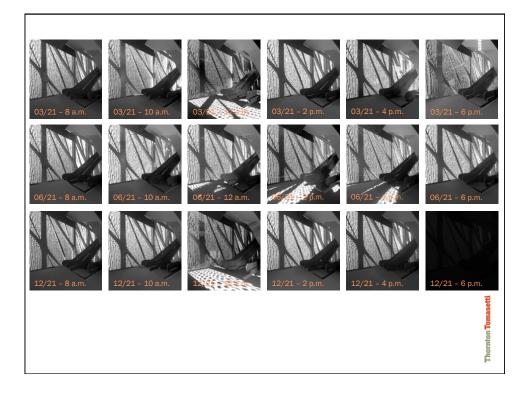


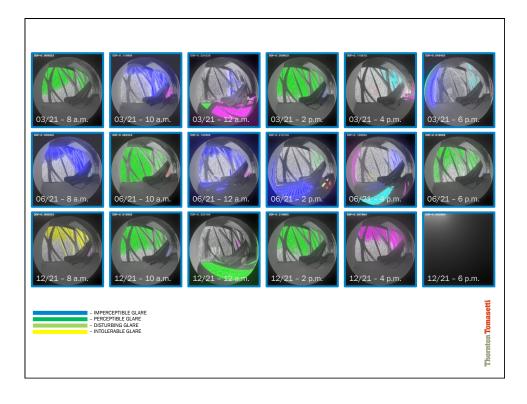


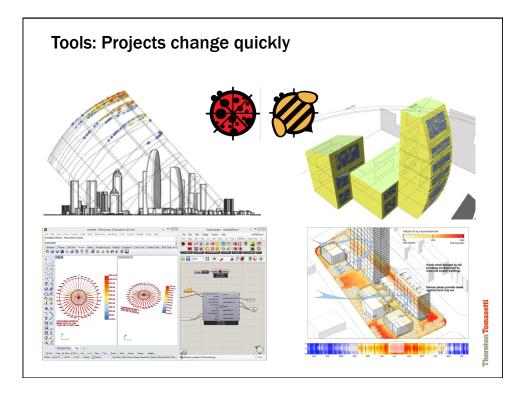


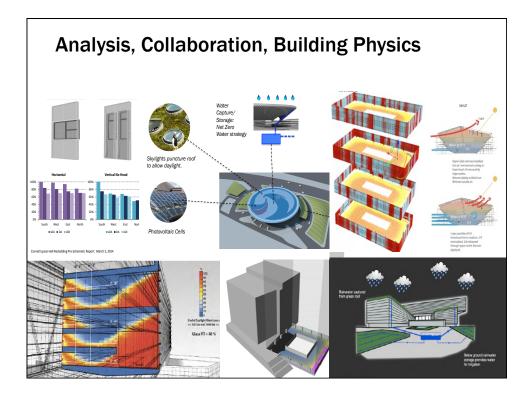


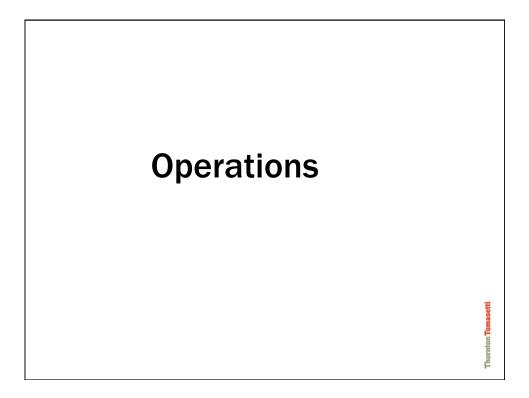


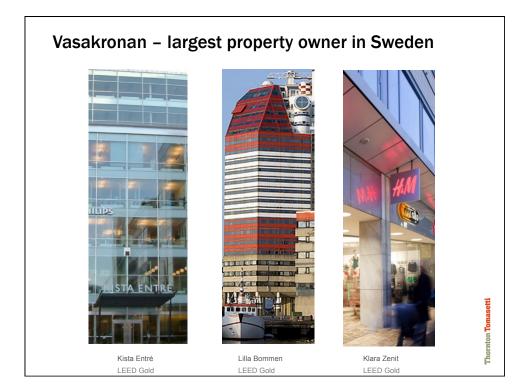




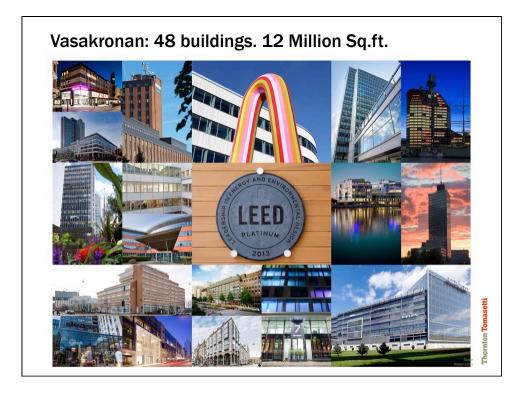


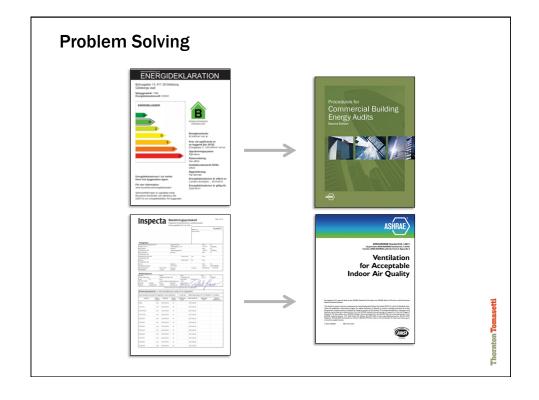






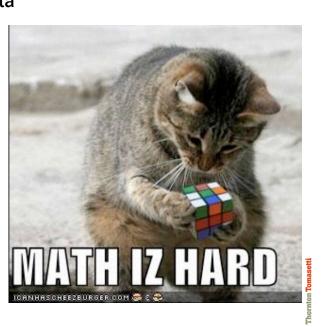


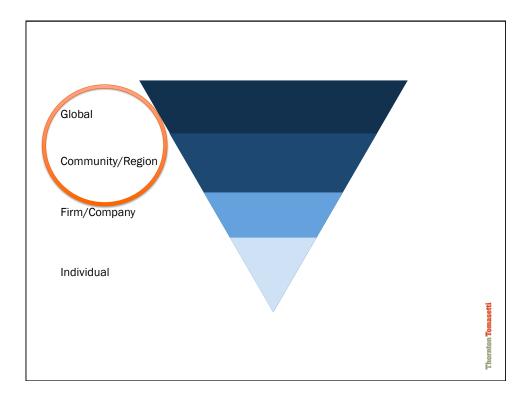


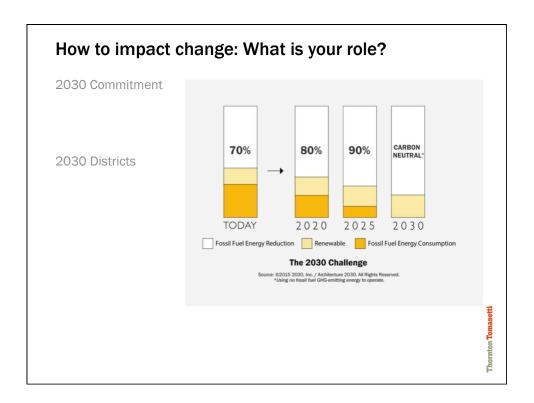


Intent: Clear Data

Its our intention to work with the team to reduce the environmental footprint as much as possible, and while doing so, make sure the project team, and owner, understands it











District Wide Environmental Programs

Living Community Challenge

Living community challenge projects have their own 'utility,' generating their own energy and processing their own waste.

EcoDistricts

A new model of publicprivate partnership that emphasizes innovation and deployment of district-scale best practices to create the neighborhoods of the future - resilient, vibrant, resource efficient and just.

LEED for Neighborhood Development

Focuses on high levels of walkability, a sense of place, and social cohesion. It encourages strategies that conserve resources, protecting natural areas, and facilitate connections to the surrounding community.

2030 Districts

Designated urban areas committed to meeting the energy, water, and transportation emissions reduction targets of the 2030 Challenge for Planning.

Sustainable SITES Initiative

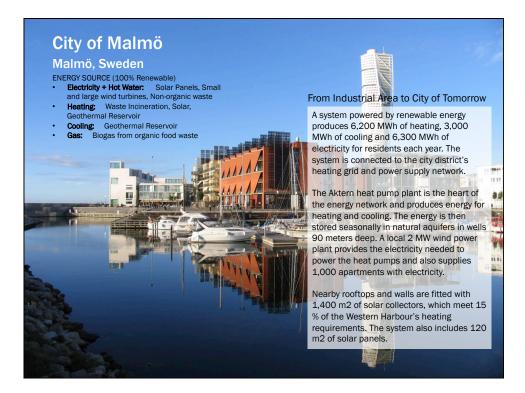
Foster a transformation in land design and development practices to bring the essential importance of ecosystem services to the forefront of decision-making and implementation.

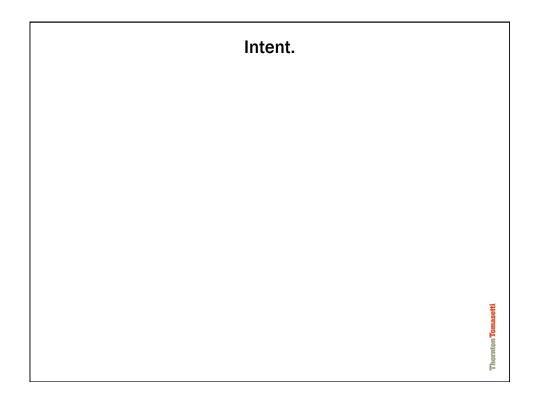
Uptown EcoInnovation District

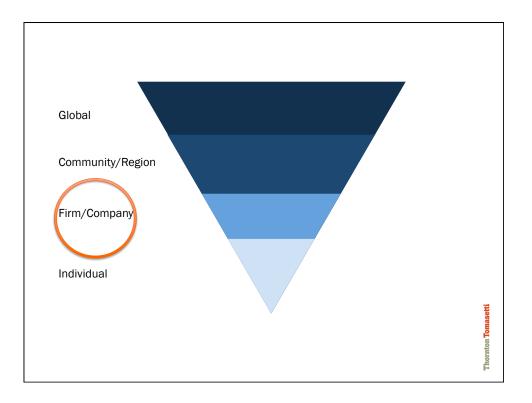
A Plan that is environmentally and economically innovative and enhance equitable land use, mobility, energy, and infrastructure that will embody sustainability in all aspects of development; both people and place.

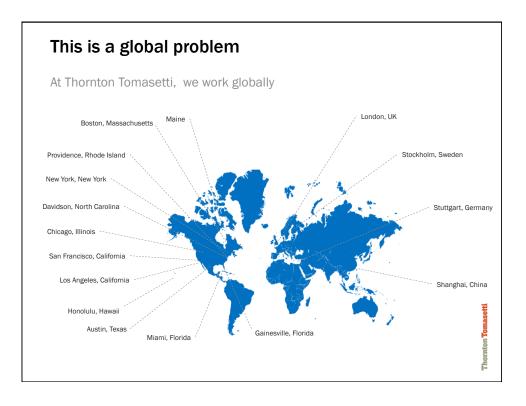
Ĕ

nton

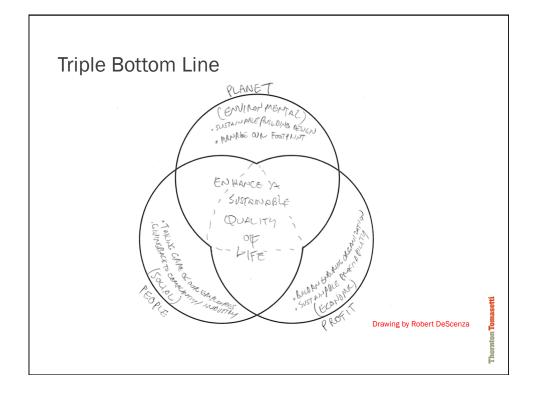




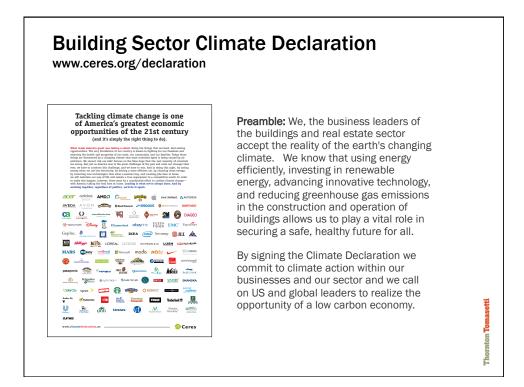










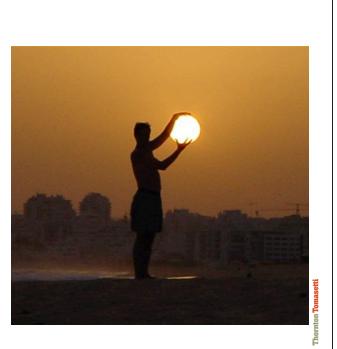


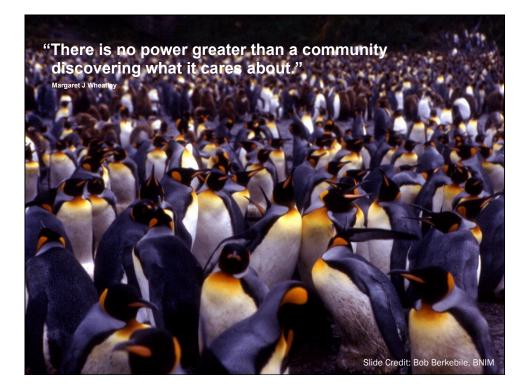
Our role is....

To minimize and eliminate our impact....

...And move as quickly as we can to:

- Create Net
 Positive Buildings
- Create Net
 Positive Water
- Net Positive Waste
- Understand Embodied Carbon and Embodied Energy
- Create Healthy
 Environments





THANK YOU PEDCO!

Thornton Tomasetti

Gunnar Hubbard, FAIA, LEED Fellow ghubbard@ThorntonTomasetti.com

www.ThorntonTomasetti.com