

# CaraGreen

Healthy Building Materials

## - Biomimicry in Building Materials -



Form



Function



Full System

Biomimicry is borrowing blueprints from nature through the design and production of materials, structures, and systems that are modeled on biological entities and processes



Burdock and Velcro



UV reflectivity used in window glazing mimicing spider webs



Coral Reefs and Rainforests sequester substantial amounts of carbon, DeepWaterDesal combines CO2 released by its power plant with Calcium from desalination - to create limestone building material



Mimic form of bones for tall, lightweight structures



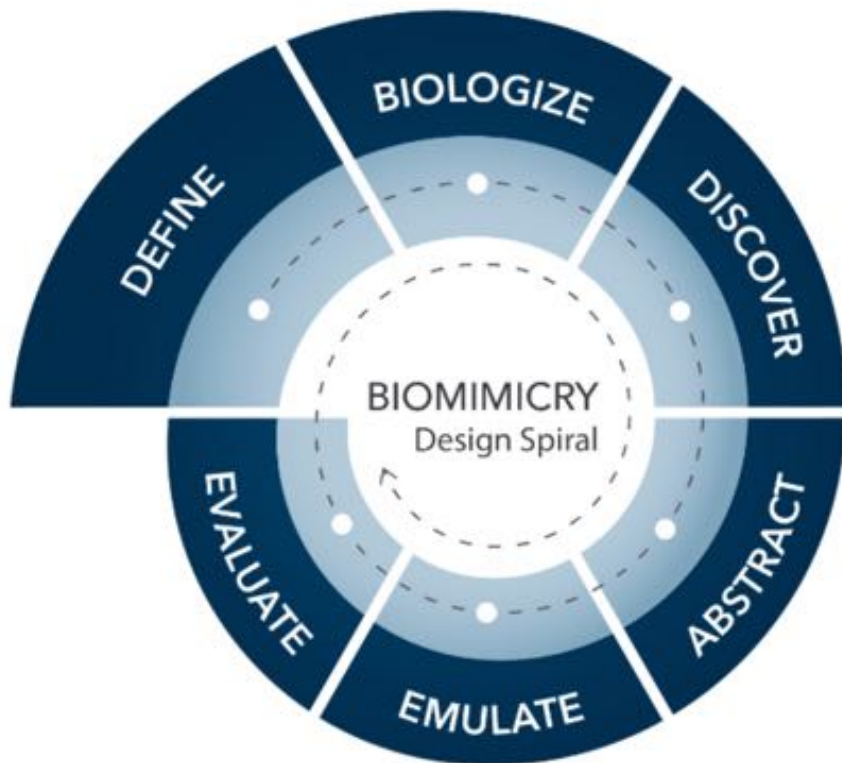
Spiral shape evokes nautilus shell, natural beauty (golden ratio)



Termite Dens close and open a series of tunnels and chimneys to keep the temperature steady



Network of a city  
Hubs for people to gather  
Buildings to work, eat, play, interact



DEFINE the Challenge

BIOLOGIZE Function & Context

DISCOVER Biological Strategies

ABSTRACT Design Strategies

EMULATE Nature's Lessons

EVALUATE Fit and Functionality