

Using National Competitions as a Focus for Interdisciplinary Innovation and Entrepreneurship Education

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THE SILO'ED NATURE
OF MOST UNIVERSITIES
MAKES TRULY
COLLABORATIVE,
INTERDISCIPLINARY
PROJECTS DIFFICULT.

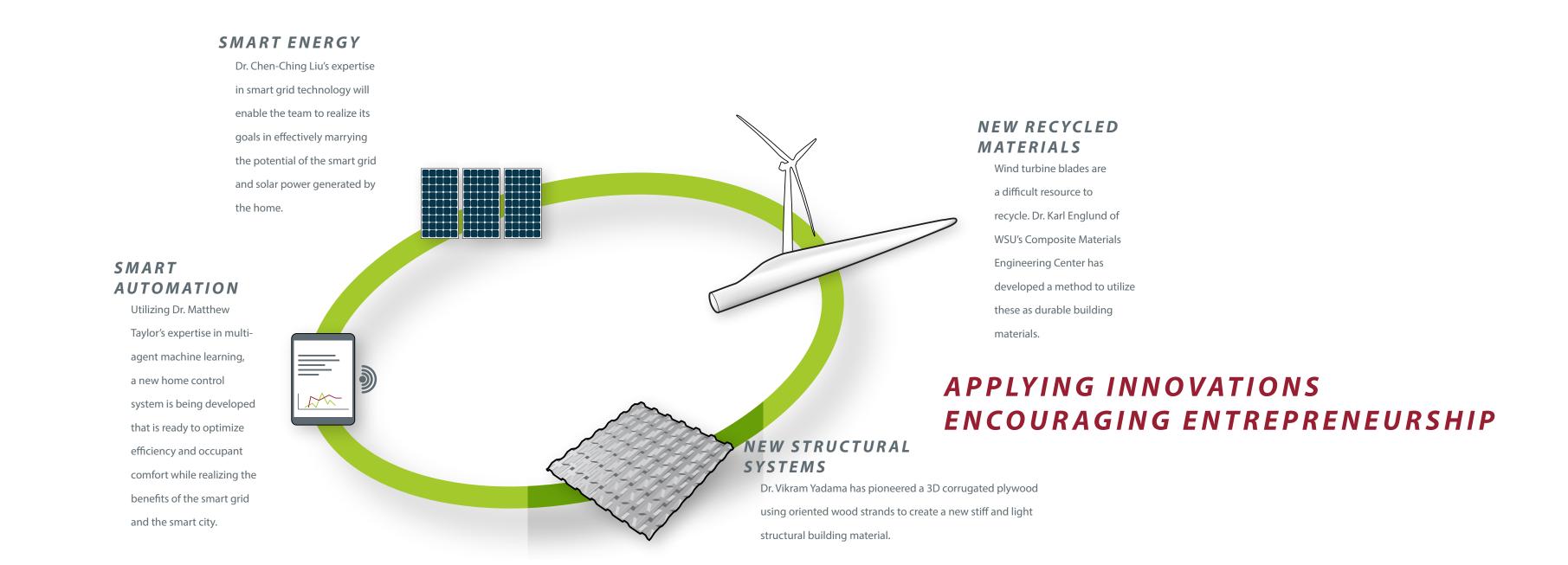
NATIONAL COMPETITIONS
OF SUFFICIENT SCOPE CAN
PROVIDE A FOCUS FOR
COLLABORATIVE STUDENT
WORK THAT CAN BE
LEVERAGED TO:

- » PROMOTE FACULTY
 COLLABORATION
 ACROSS DISCIPLINES
- » PROVIDE BUILT IN ASSESSMENT AND VALIDATION OF STUDENT WORK
- » PEER TO PEER LEARNING ACROSS DISCIPLINES
- » AUTHENTIC
 PROJECT AND TEAM
 MANAGEMENT
 CHALLENGES
- » CUSTOMER FOCUSED DESIGN THINKING
- » THE ABILITY TO EXPLORE OPPORTUNITIES AT MULTIPLE SCALES.

DOE STUDENT COMPETITION

DESIGN AND BUILD A 600 TO 1000 SQUARE FT. NET ZERO ENERGY HOME THAT DEMONSTRATES PERFORMANCE AND COMFORT IN TEN CONTESTS.





HOW? COLLABORATION ACROSS CLASSES AND DISCIPLINES

- » NO NEW CLASSES LEVERAGING CURRENT CURRICULUM WITH APPROPRIATE SCALE AND FOCUS BASED ON OBJECTIVES FOR EACH CLASS.
- » STANDING UP OF STUDENT CLUB TO RUN THE PROJECT.
- » AD HOC AND PLANNED COLLABORATION AND PRESENTATION MEETUPS BETWEEN CLASSES

