Clemson’s Wood Utilization + Design Institute

Helping to Create Market Demand
Why Clemson University?

• Perfect fit with our land grant mission
• Strong academic/research units in engineering, forestry and architecture
• Critical collaborations with faculty in business, policy, marketing, supply chain/logistics
• Geographic location
WUD Institute Mission

• Increase the utilization of wood-based products in sustainable and resilient building construction through education/training, research/product development and direct marketing of technical and design solutions.
Top News

Clemson institute secures USDA grant to expand use of wood

Students show off their solar-powered, zero-energy home

Stronger economic partnership between Canada and S.C. focus of conference

Students unveil solar-powered, zero-energy home designed for South Carolina families
Grants To Date

• Development of Solid and Hollow-Core Cross-Laminated Timber Systems for Low- and Mid-Rise Construction--USDA

• Wind and Rain Resistant Design for Coastal Cross Laminated Timber Buildings--SC Sea Grant
Grants To Date

• Expanding the Use of Wood Building Products in SC – USDA Forest Service
• 2 other grants in contract negotiations
• 1 in review
• Private Research – 1 completed
Research Results

- SYP CLT can be made
FORTE Building in Melbourne Australia

https://www.youtube.com/watch?v=pHpthNBiYqE
Issues with CLT

• “How to” do with SYP?
  – Glues
  – Structural Strength
• Fear of Fire
• Building Codes
• Cost
SYP CLT?

- Yes!
- Who?
- When?
- Where?
New Uses for Existing Product
USDA Grant – SC WIT

• Kick off meeting next week
• Government actions
• Economic analysis
• Building a data base of owners
• Workshops
• Support
• Building a network of “Wood Supporters”
Continue to Build W U + D

- Founding Partners
- Establish Board
- First Annual Meeting
- Develop Group Research Projects
Continue Education Mission

• Hire wood products faculty member
• Complete “Indigo Pine West”
• Develop on-line classes
• Seek other educational opportunities
  – Internships
  – Creative Inquiry
  – Graduate research
Develop the Case for Wood

• Communications
• Presentations
• Web sites
• Media
• Work smart with partners
  – AWC
  – Woodworks
  – Others
It Begins With You

- Become an activist
- Share the message
- Go to meetings
- Get to know architects and engineers
- Wood - first choice only if we ask