CLT in Site Access

The Sterling Story

25 February 2020
2 Truths and a Lie

1. Worked on commercials in 5 Super Bowls

2. Went cage diving with Great White sharks in South Africa

3. Was hired at Sterling for having a nearly encyclopedic knowledge of wood & timber products
BLUE ISLAND, IL
Matting Cost Breakdown
1,000 timber mats traveling 400 miles

- 29% Timber Mats
- 71% Freight
"There's a way to do it better - find it."

– Thomas A. Edison
TERRALAM® 300

8” Timber

TERRALAM® 504 + 508

12” Crane

TERRALAM® 700
STERLING IS YOUR STRATEGIC PARTNER

SITE ACCESS RISK MITIGATION FOR ENERGY INFRASTRUCTURE

WORLD’S LARGEST CLT MAT MANUFACTURER

SEASONED LEADERSHIP TEAM

ROBUST SUPPLY CHAIN

531+ CUSTOMERS

480K+ YE MAT FLEET

R&D DRIVEN
STERLING VISION STATEMENT

To foster harmony between the environment and construction with world-class site access solutions.
So what’s next?

What problem are we solving?
How We Make a Difference

Safety

Sustainability  Efficiency
NEXT GEN CLT

1. Design
2. Materials
Design – Lay Patterns

Optimized CLT: Removal of boards in x-layer

Fig. 2. CLT panel layup with ± 45° alternating transverse layer configuration
Design – 2 PLY
Materials: Researching Viability of Different Wood Species

Researching viability of native species
Relevant Factors to New Material Consideration

- Mechanical Properties
- Quality Control
- Sustainability
- Moisture Content
- Cost
- Supply Chain
Supply Chain

8 Hour shift = 300,000 BF
2 Shifts a day = 600,000 BF
2 CLT lines = 1,200,000 BF/day
5 days/week x 52 Weeks: 260 working days

312MM BF of 2 x 6 & 2 x 8
‘WHEN YOU INNOVATE, YOU HAVE TO BE PREPARED FOR PEOPLE TO TELL YOU THAT YOU’RE NUTS!’

Larry Ellison, founder of Oracle
QUESTIONS
THANK YOU