Kendrick, Inc. & Hardwoods

Yesterday, today, tomorrow, technology



Greg Blomberg

Twin Cities native

BS- Accounting

Hardwood Lumber Inspector

Distribution, manufacturing and process costing

28 years in the industry

7 years at Kendrick’s



Called Edgewood for a reason…160 years ago!

- Edge of the Woods
- Westward Expansion
- Railroads out of Chicago needed ties for track
- Fertile ground and regrowth continues
- If named today, Osterdock would be Edgewood.



1983 Tim & Rhonda Kendrick

Purchase the 5 man mill, two of the original employees are still on staff.



2021 Tim & Rhonda Kendrick

4 Grown children and their spouses all involved in the enterprise.



2021 Tim & Rhonda Kendrick

$35+MM in sales of logs, lumber, mulch and secondary products today.

How have we grown?

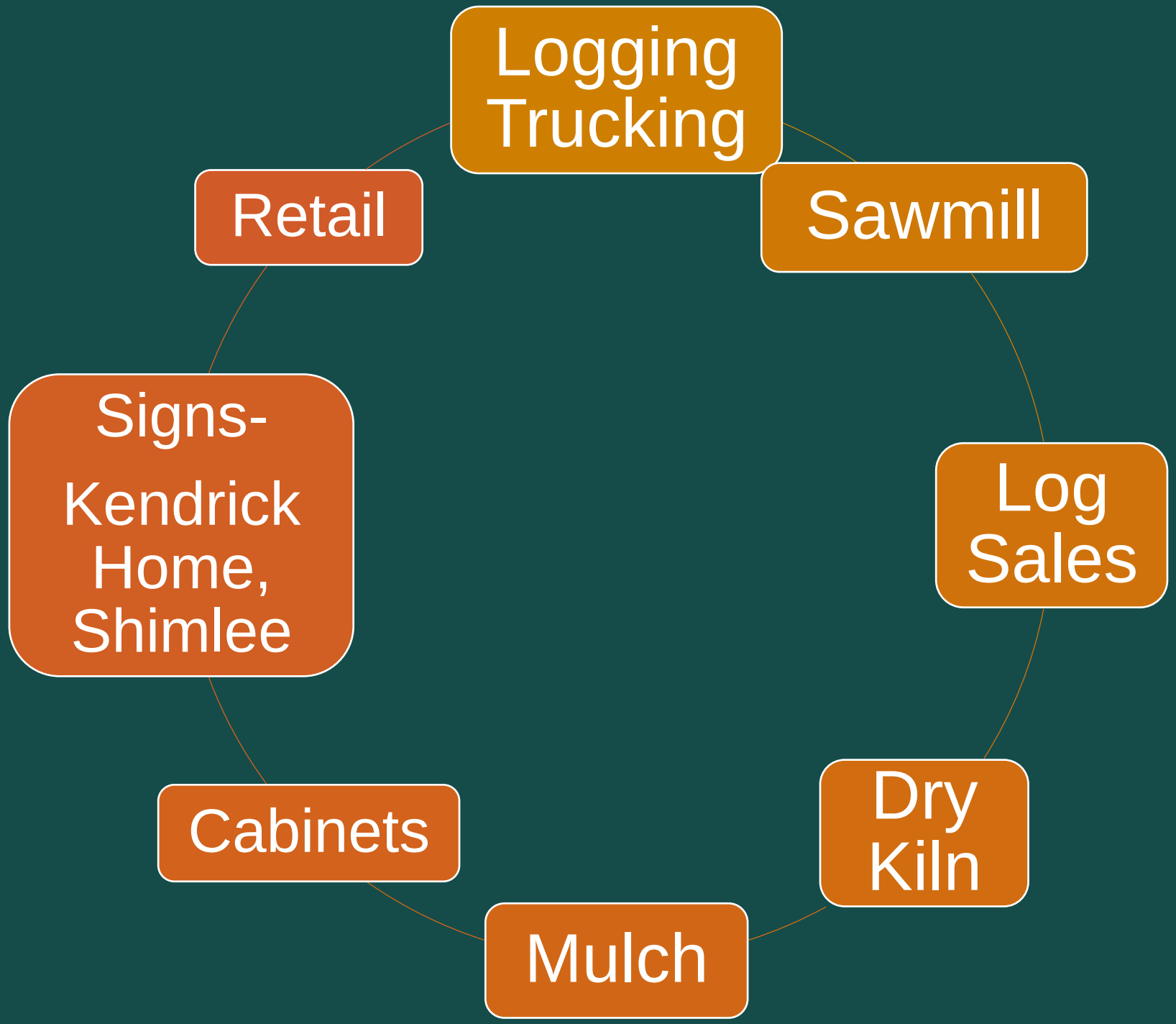
- 1.) We've got owners that re-invest in the company and employees. This is their life, their passion and their community's future.
- 2.) Dedicated staff. We hire locals that want to be here and kick ass.
- 3.) We appreciate the power of numbers. If it doesn't make sense to us, it doesn't make sense.
- 4.) LEAN thinkers. Improve flow and minimize waste at every turn.
- 5.) We plan ahead. 1-5 years out. Cap Ex and Human Resources. Adjust as needed. Not that interested in the month or quarter, more interested in the PLAN.
- 6.) We embrace technological improvements and integrate them into our system.

What do we make/do?

What do we make for the marketplace?



Our Business Segments





Annual Sawmill output :

Ties enough for 13 miles of fresh rail track per year

& Dry upper grade lumber to produce15,000 kitchens

& 1,000 hardwood floors for homes

& 2,500 semi truck floors

& 75,000 pallets

& 750,000 décor pieces

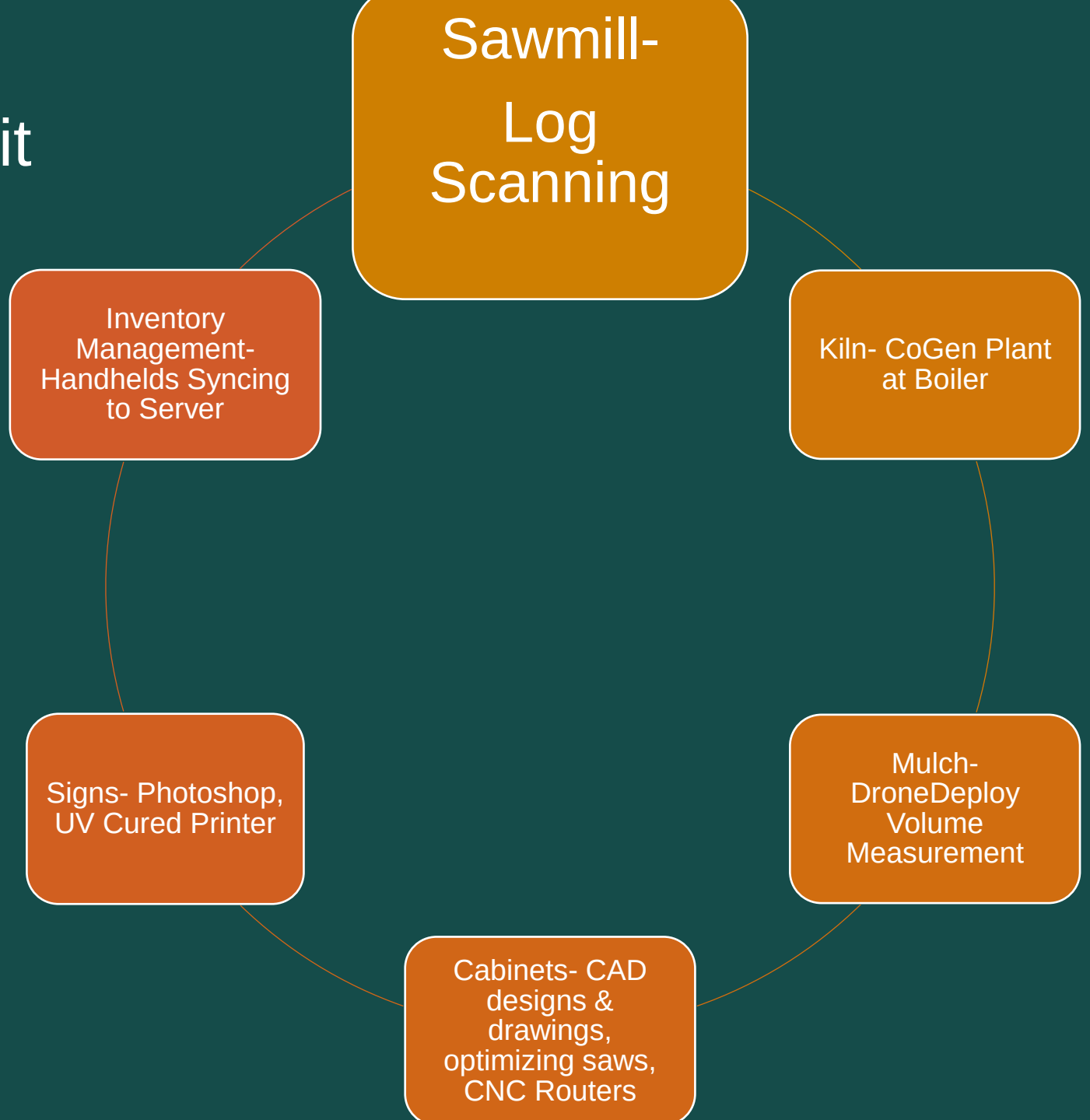


Also make :

Enough colored mulch for 107,000 gardens per year!

…In Edgewood.

Tech in each Unit

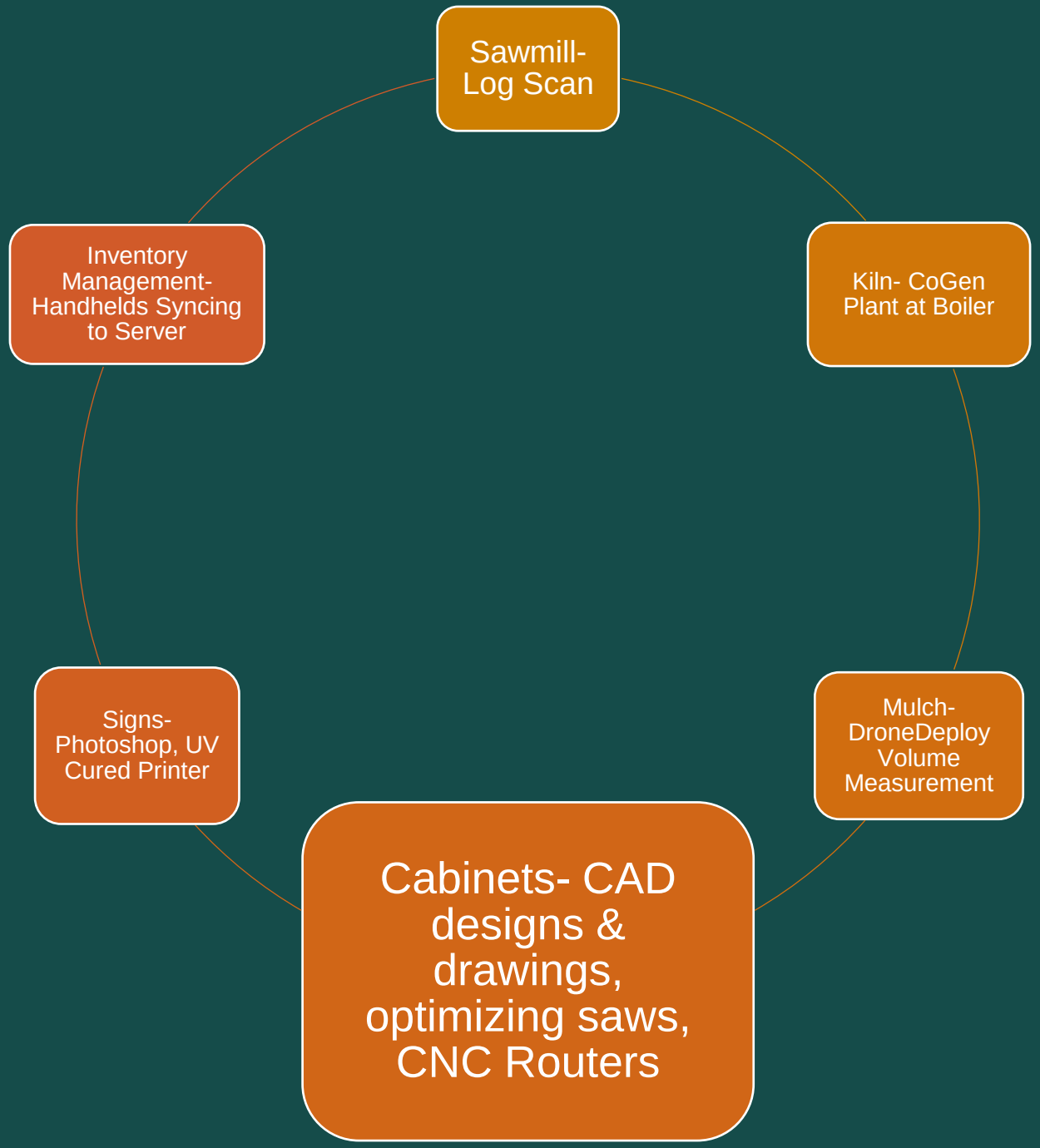


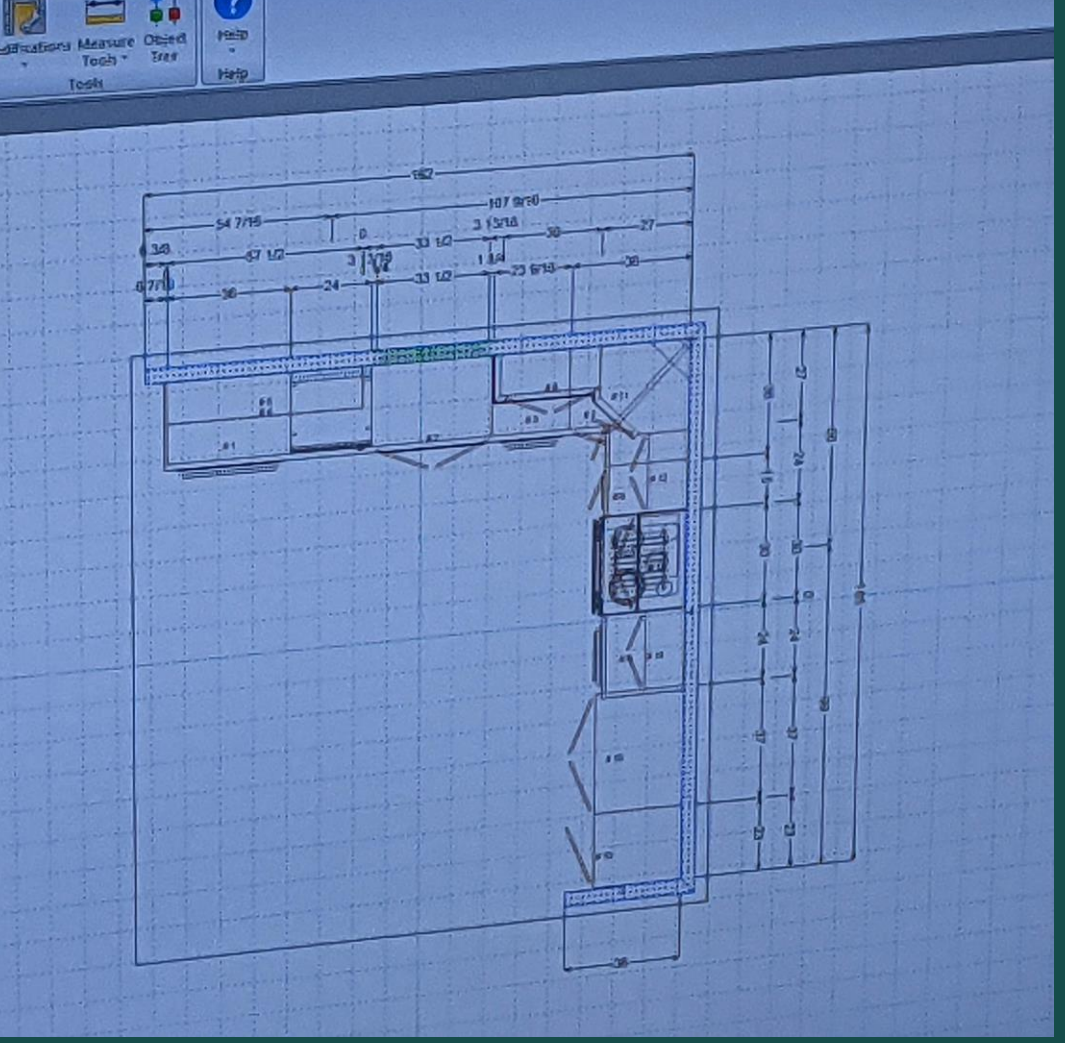
Sawmill- Creating an opening face on the log at Head Rig

Object: Open log just enough to make a board behind the slab. Maximize value in usable wood, minimize slabs.

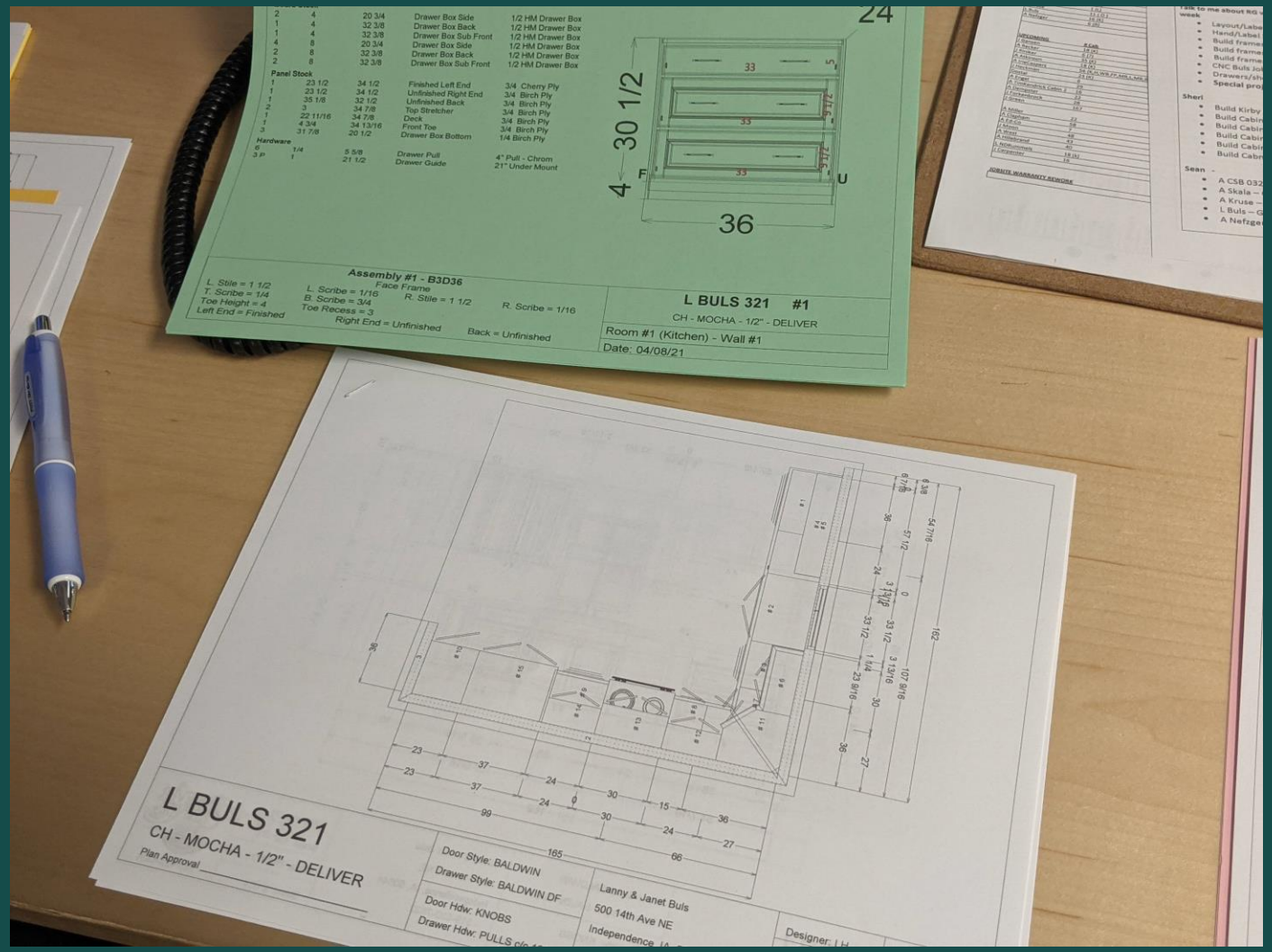
- 1.) Receive the log
- 2.) Scan log
- 3.) Scan data creates a solution and positions the log holder to the right depth to minimize slabwood
- 4.) Roll log to next face
- 5.) Return to 2.)
    - Let’s watch the video

Cabinets


Sawmill- Log Scan
Kiln- CoGen Plant at Boiler
Mulch- DroneDeploy Volume Measurement
Cabinets- CAD designs & drawings, optimizing saws, CNC Routers
Signs- Photoshop, UV Cured Printer
Inventory Management- Handhelds Syncing to Server



CabinetVision…Drawings into Shop Paperwork 100% Custom



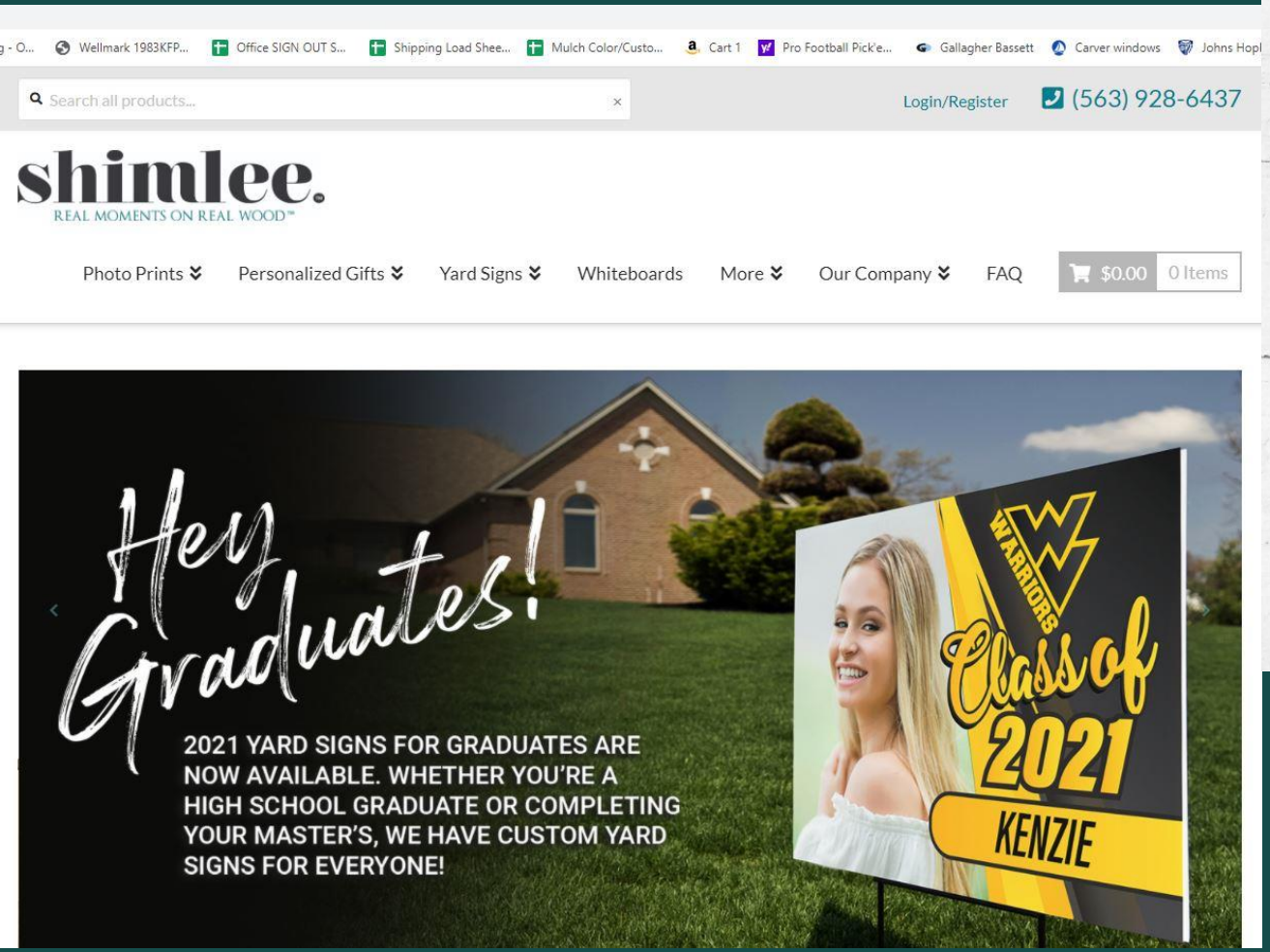
On the cabinet shop floor

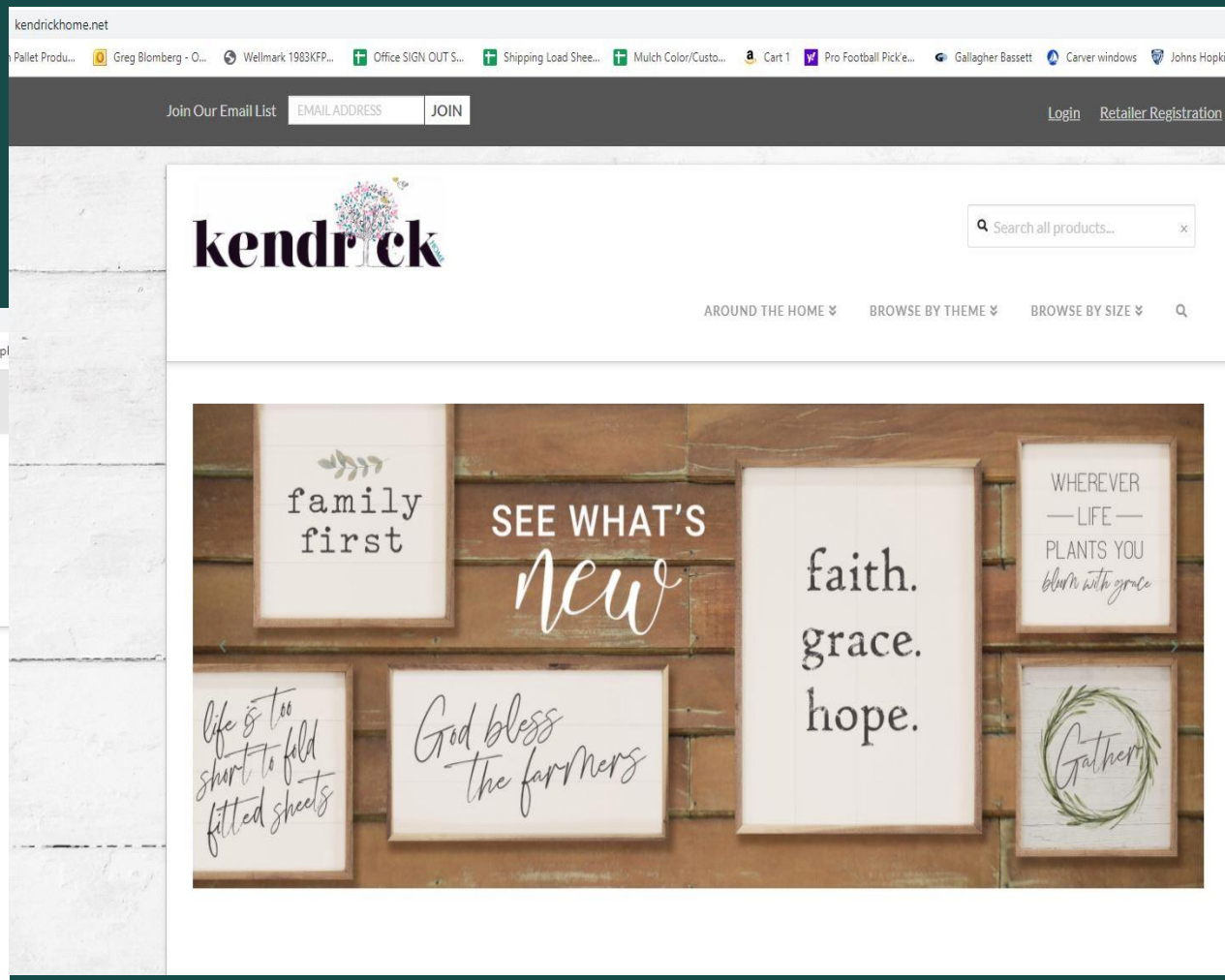
- Custom kitchen every 3-1/2 days- 4 days
- Shop drawings are integrated into machining cell
  - CNC Router processing cabinet parts
  - RazorGage Chopsaw
    - Scans the board
    - Maximizes each board based on cutlist up loaded from Cabinet Vision
    - Prints on the wood what the part will be used for

Sign Department



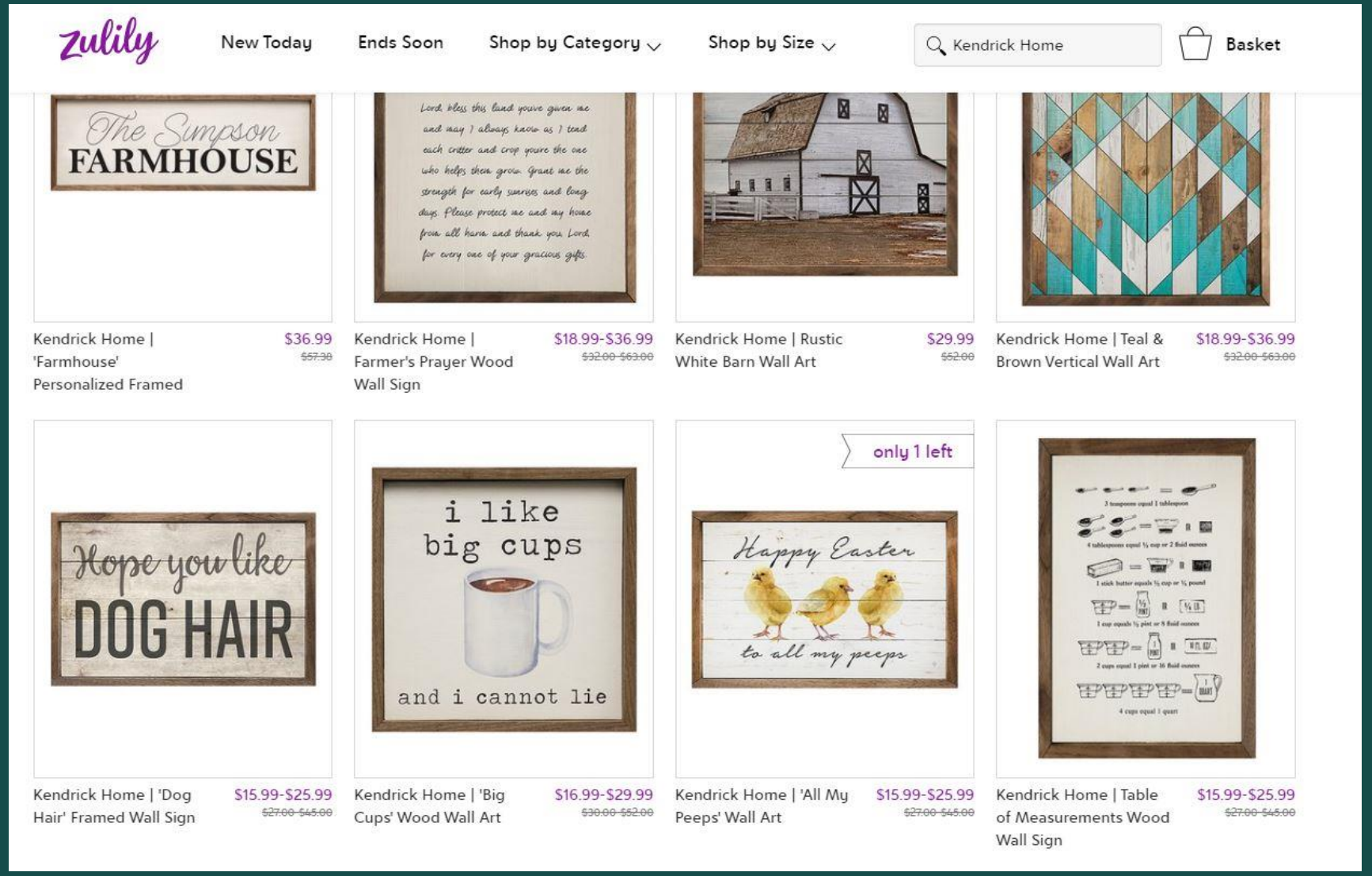
Two new businesses



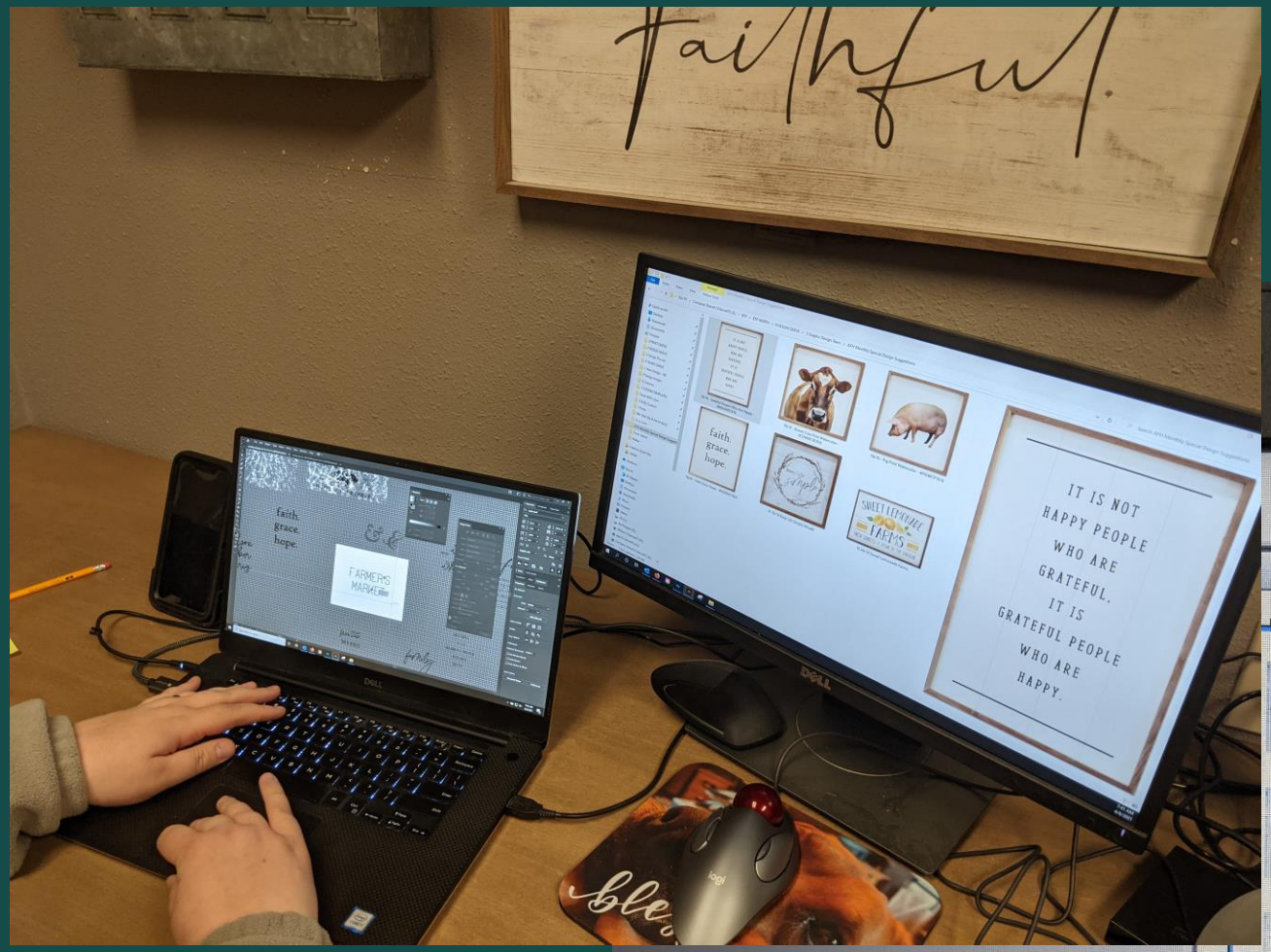


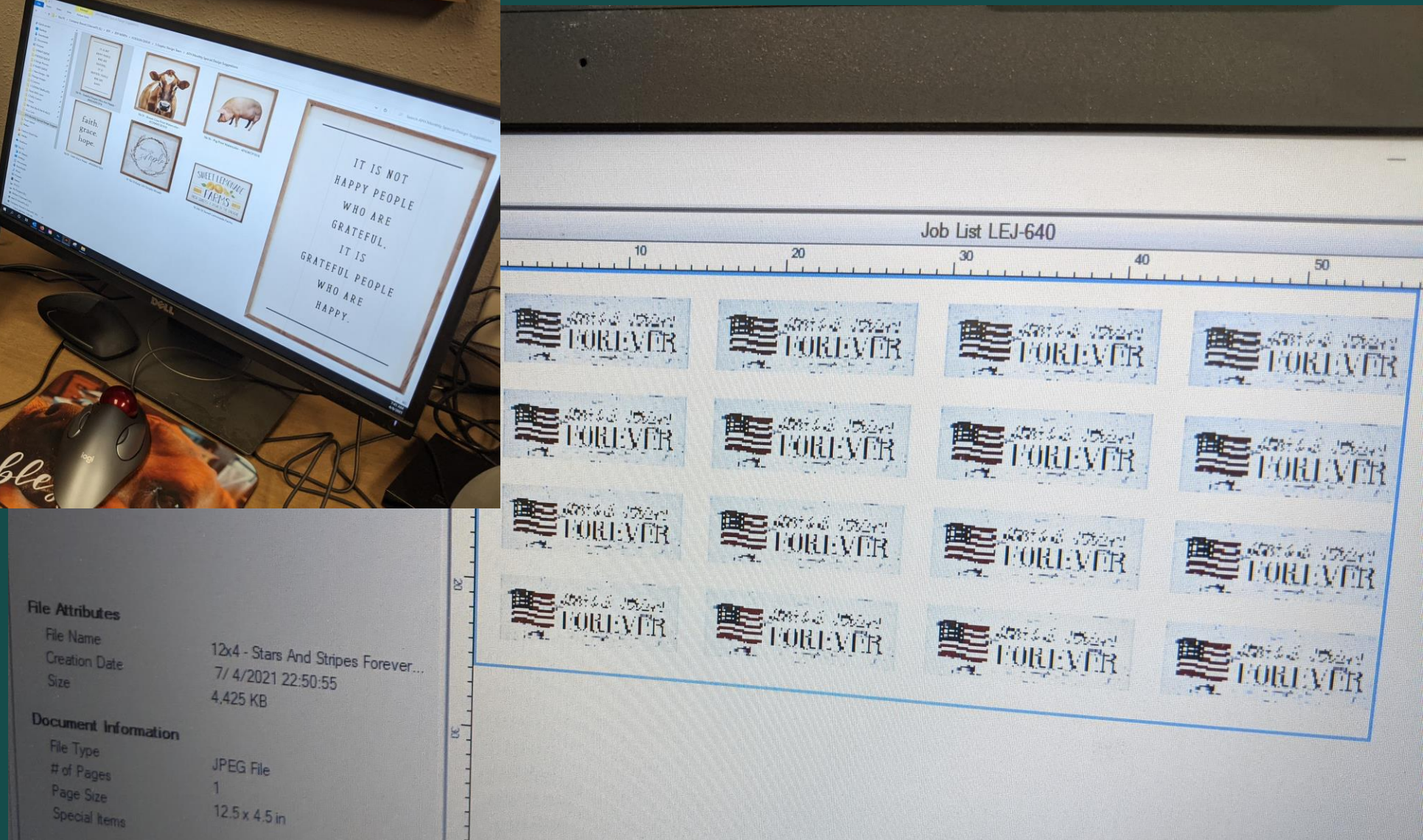
Kendrick Home Wood Signs

- 4 year old business
- Over 7,000 unique designs
- Business has doubled each of lasts 3 years
- Now producing 3,000 pieces of wall décor per shift



Adobe Illustrator to Print Files



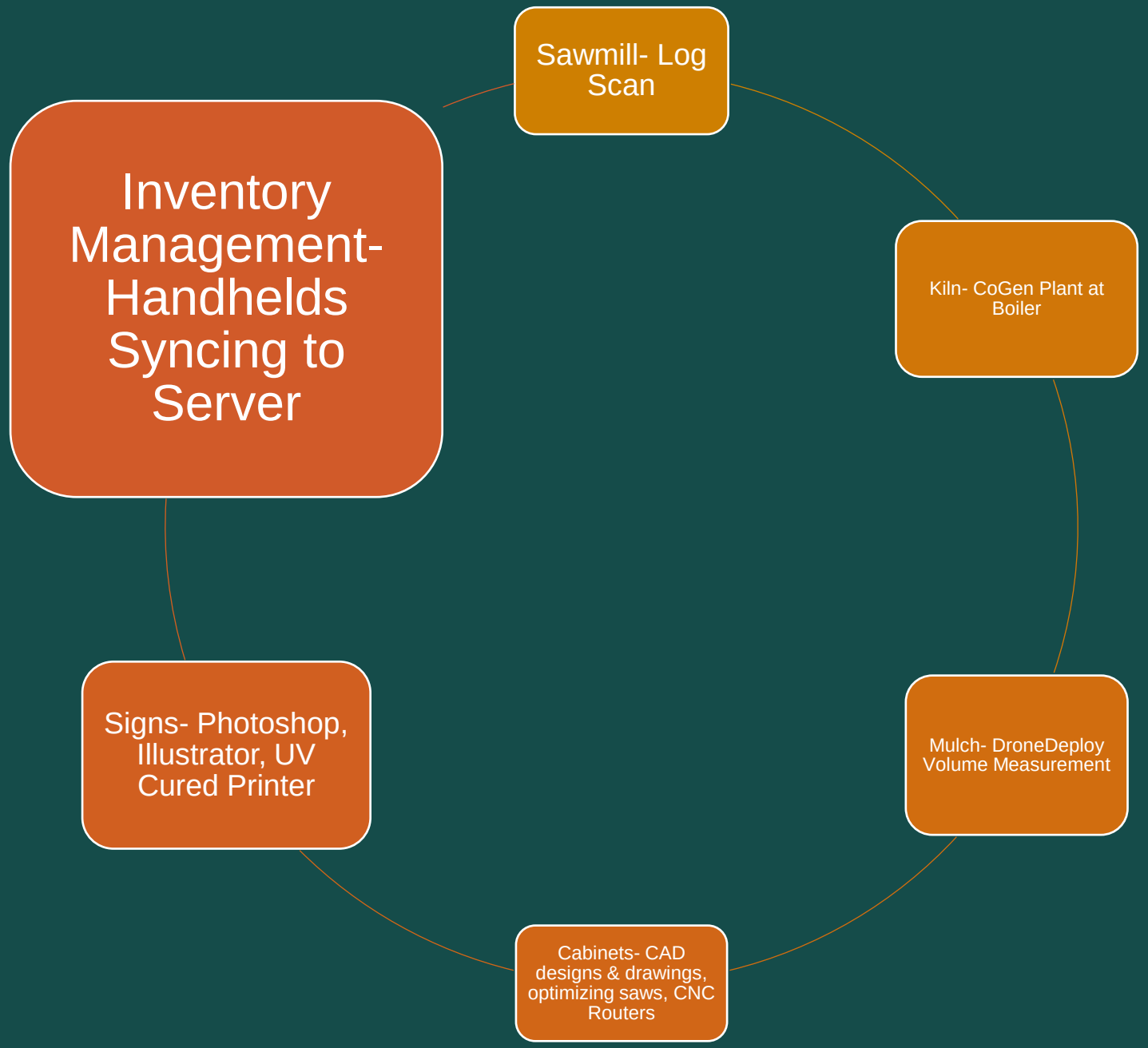


Print files into printed signs





Inventory Management



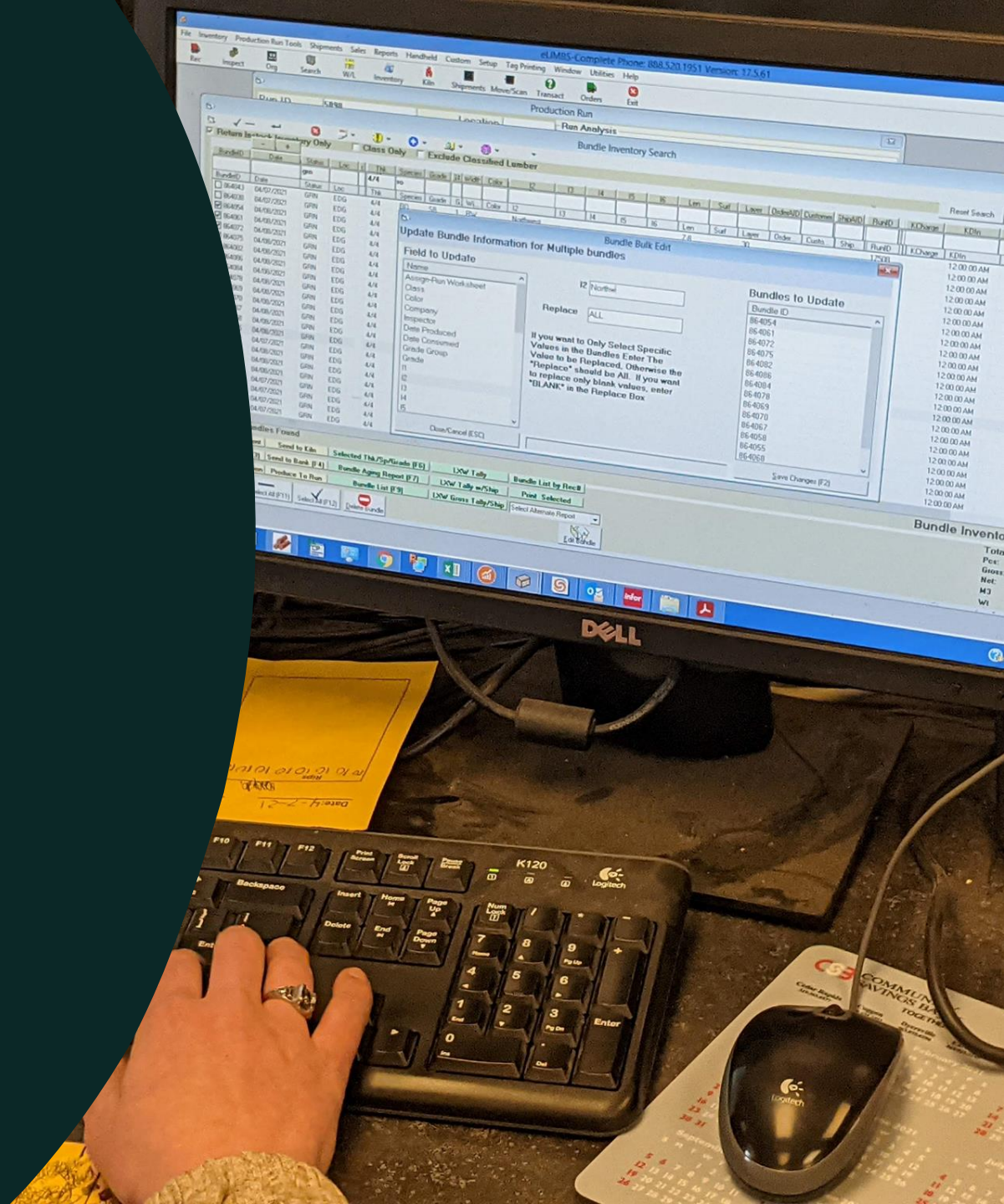
Elimbs-Industry Specific CRM / Inventory Management Program- Packs are tagged





Handheld computer updates server with pack info:

- System is used for purchasing /sales
- Work orders
- Shipping Documents
- Invoicing
- Yield Analysis



Common Threads… What we do and what we expect from our vendors.

- Ultra specialization – small & large companies taking a deep dive into small segments and producing niche solution for our industries.
- High end service wins! - Listen to your customers. Someone will service them. Those on the cutting edge will take you where you need to go.
- Keep improving your products and your brands.

Future In the Sawmill?

- Further automation will continue.
  - Lumber Grading –Wood Eye (5 Years out)
  - Tallying – Vision Tally (Scans each board for width from both ends of pack)
  - Stacking - Bin sorting and machine that produces packs of lumber
- Imagine a log scanner that can predict best overall outcome of a log without operator intervention…It is already happening in pine mills.