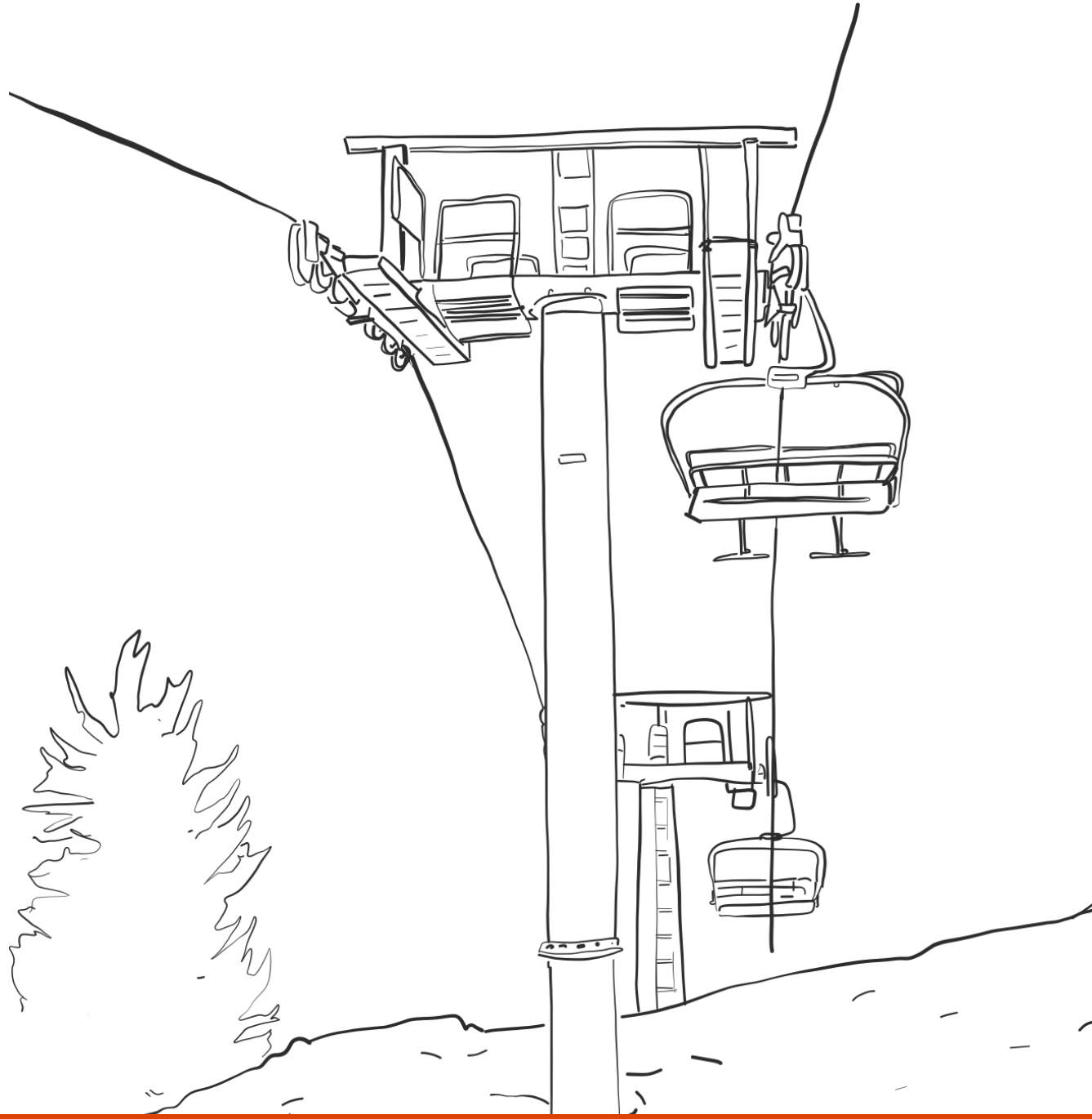
The webinar will begin shortly.

If you would like to demo an augmented reality portion of the course later in this presentation, you can download the FREE **Zappar** app onto your phone from the app store.

<u>You will not need to enter information or sign up to use it.</u>

SKI LIFT TECHNICIAN TRAINING LEVEL 1



PNSAA
PACIFIC NORTHWEST SKI AREAS ASSOCIATION

Oregon State University

center for the OUTDOOR RECREATION ECONOMY

JORDAN ELLIOTT
PNSAA

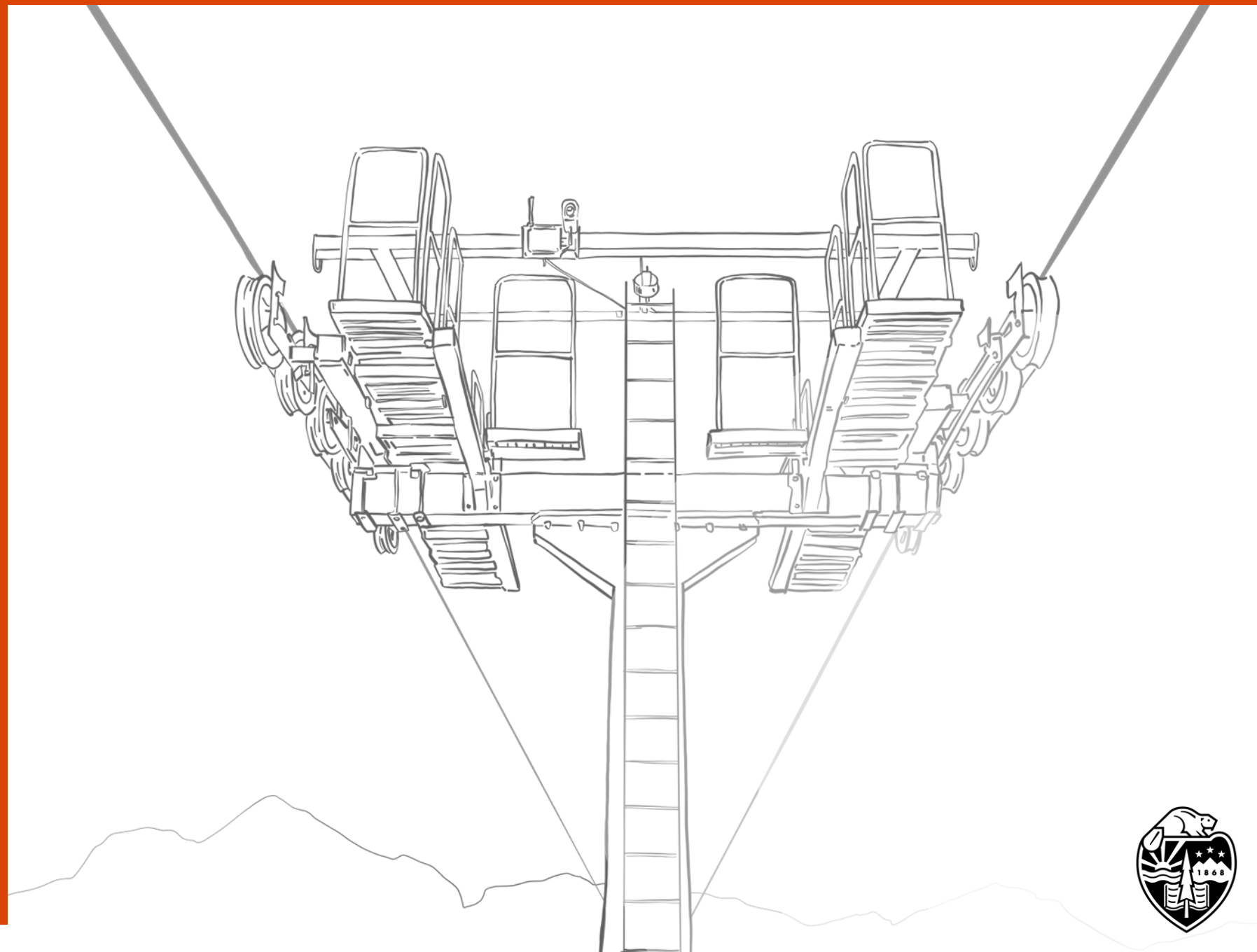
LEE DAVIS
EXECUTIVE DIRECTOR

MEREDITH MORRICE
INDUSTRY ENGAGEMENT

DANNY POWERS
DESIGNER

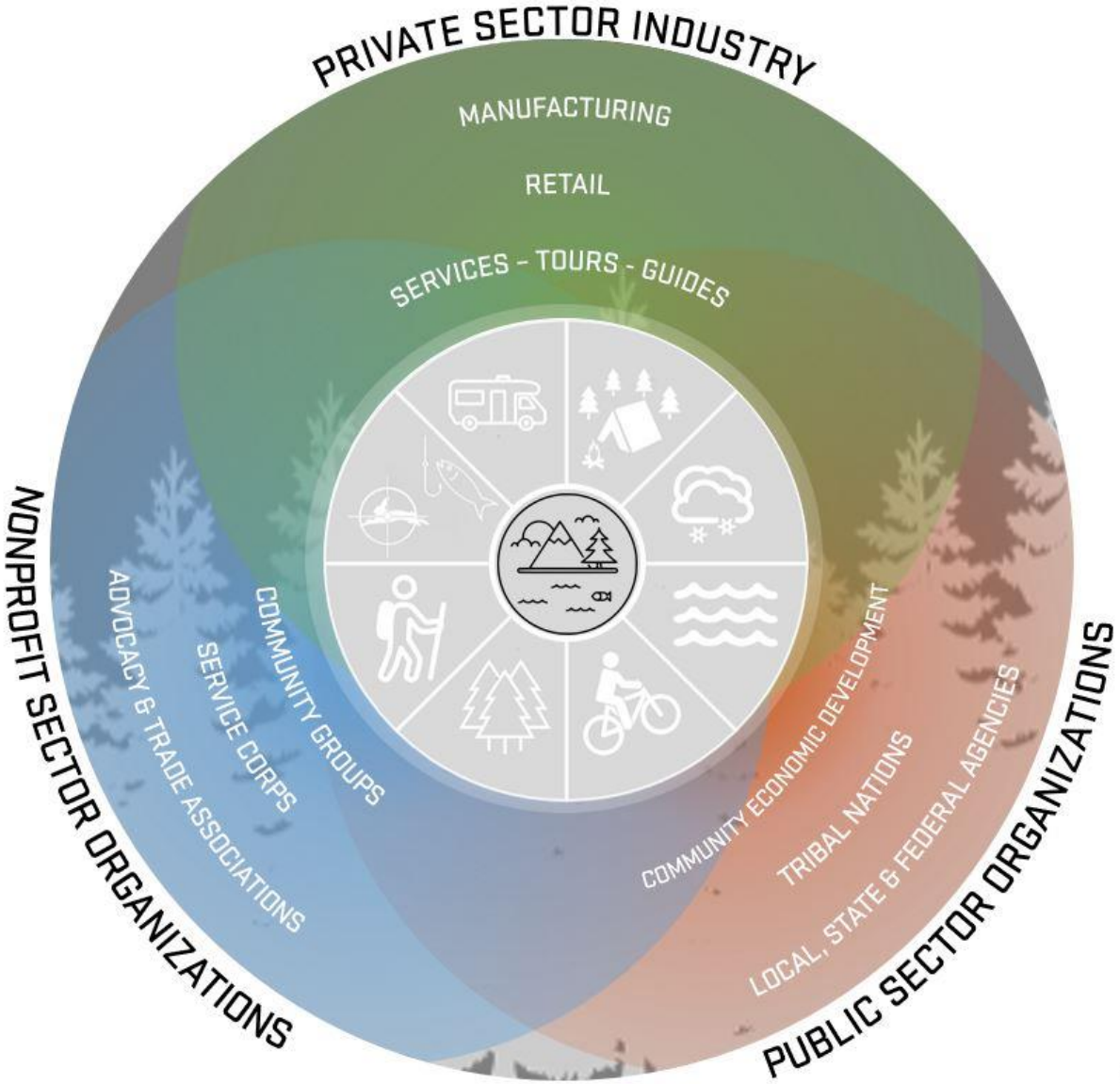
AGENDA:

- Introductions
- About OSU's Outdoor Recreation Economy Initiative
- About the Ski Lift Technician Training, Level 1
  - Pilot Year
  - 2021 Program
  - Course Demo
  - How to Enroll
- Future of OREI
- Q&A



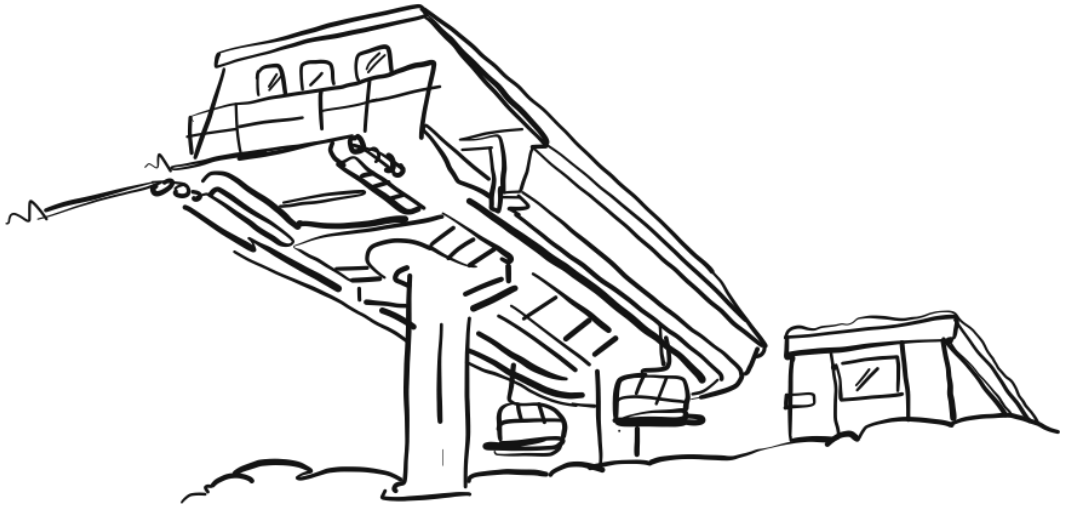
OUTDOOR RECREATION ECONOMY INITIATIVE

- Background
- Key Findings
- Partners & Projects



SKI LIFT TECHNICIAN TRAINING

PILOT PROGRAM OVERVIEW



- Level 1 Training aligned with the NSAA LMTRG and Selkirk College lift maintenance curriculum
- Program ran August – November 2020
- Cohort of 16 completed:
  - 7 Online Modules with Knowledge Checks
  - Onsite Assessments with Supervisor Checklists
  - Industry expert sessions (live/recorded webinars)
  - Final Exam
- Employees from multiple resorts in OR, WA, and AK
- Concluded with a formal evaluation of training

2021 PROGRAM

- **Course Learning Outcomes**
- Curriculum Areas
- Onsite Assessments
- Ideal Student

At the end of this course, the successful student should be able to:

- **Identify major components of lift structures, including terminals, carriers, and moving devices**
- **Describe the mechanical movement and processes of ski lift functionality, including carrier movement, engines, hydraulics, braking, and other associated components**
- **Define and discuss the safety aspects and components of proper ski lift operations and mechanics**

2021 PROGRAM

- Course Learning Outcomes
- **Curriculum Areas**
- Onsite Assessments
- Ideal Student

PILOT PROGRAM CURRICULUM AREAS

- Workplace Safety and Communications
- Terminals, Tension, Conveyor, and Driveline Systems
- Carriers, Sheave Assemblies, Towers, and Drivelines
- Fixed and Detachable Systems, Braking and Hydraulics
- Electrical and Mechanical Drive Systems and Controls
- Testing, Preventative Maintenance, Record Keeping
- Risk Management, Inspections, Regulations, Legal Issues
- *Foundations of the Outdoor Recreation Economy*

2021 PROGRAM

- Course Learning Outcomes
- Curriculum Areas
- **Onsite Assessments**
- Ideal Student

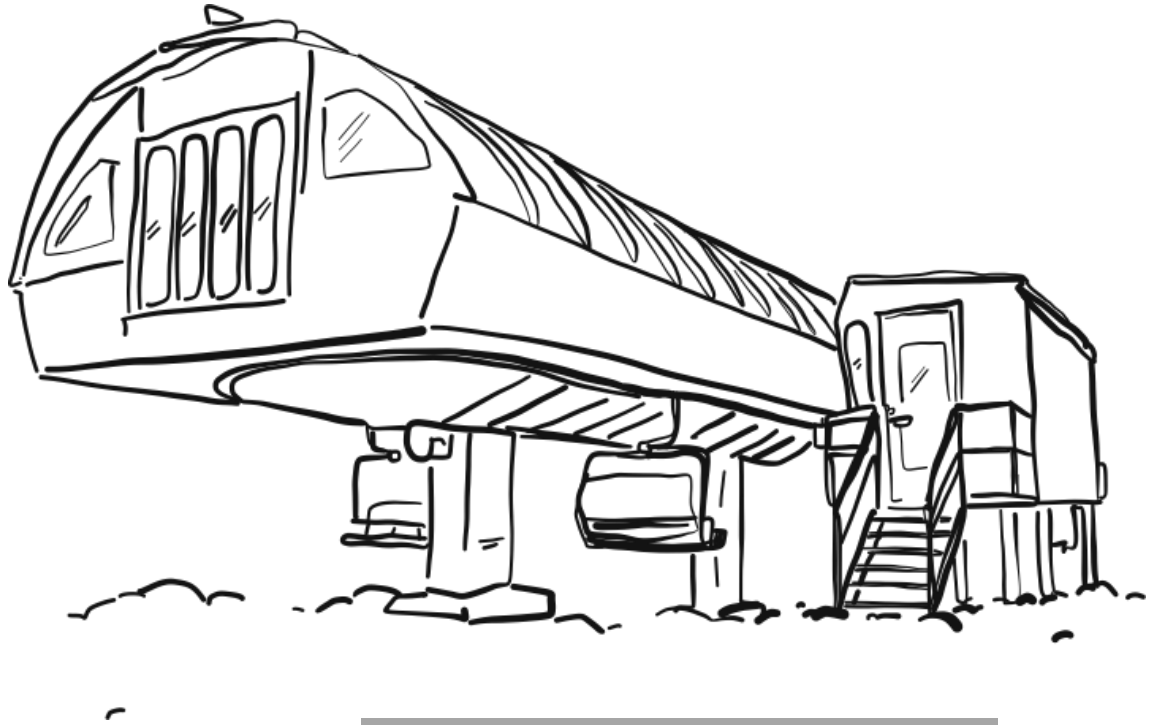
2021 PROGRAM

- Course Learning Outcomes
- Curriculum Areas
- Onsite Assessments
- **Ideal Student**

SKI LIFT TECHNICIAN TRAINING

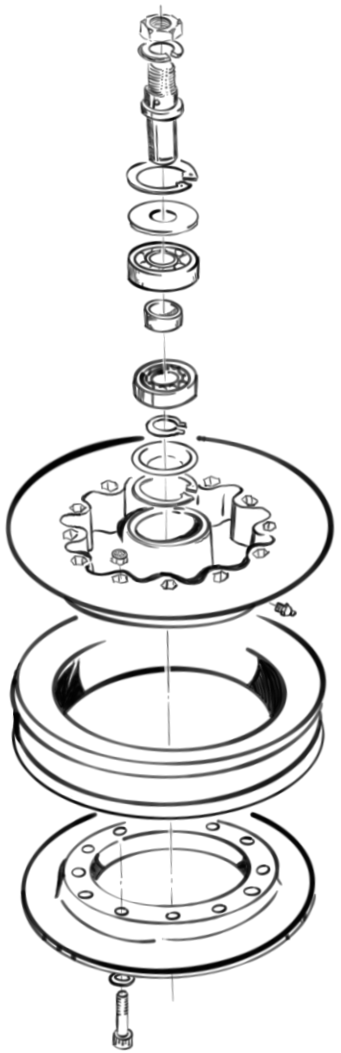
2021 TIMELINE & COST

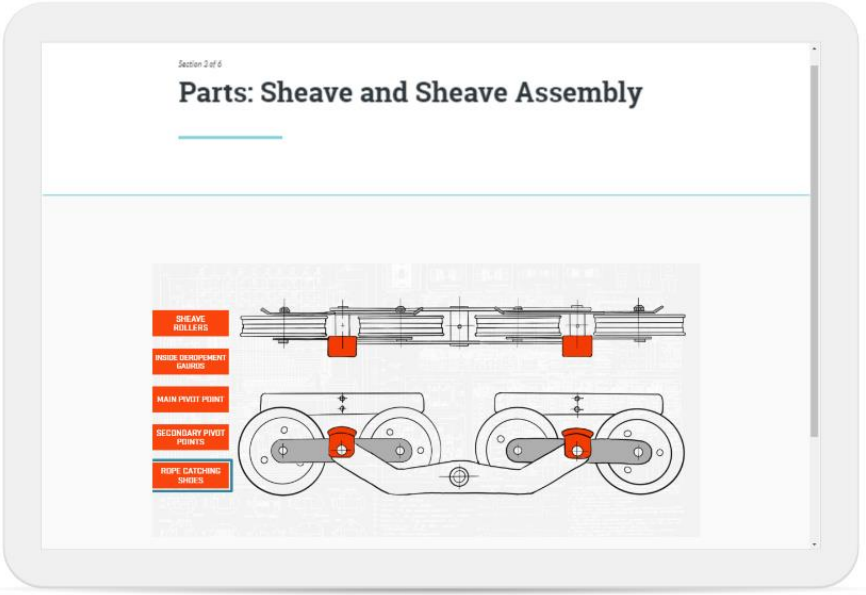
MAY	Registration Open
JUNE	Orientation
	FORE101
	Lift Modules 0 – 2
	Webinars & Supervisor Check-Ins
JULY	Lift Modules 3 – 5
	Webinars & Supervisor Check-Ins
AUG	Lift Modules 6 – 7
	Webinars & Supervisor Check-Ins
SEPT	Final Exam



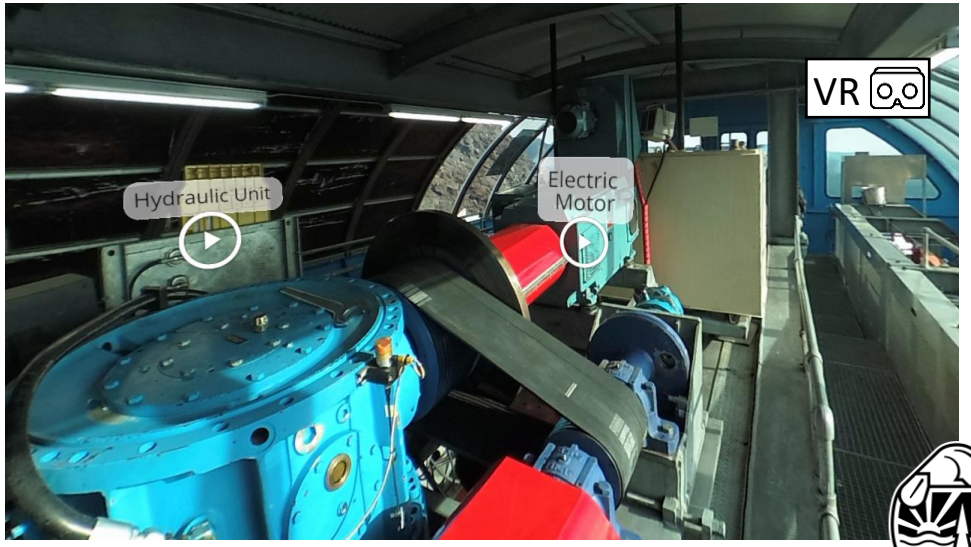
Cost: $1,000
sponsoring resorts & scholarship opportunities


2006 DOPPELMAYR CTECH
DETACHABLE QUAD
00:15




Section 2 of 6
Parts: Sheave and Sheave Assembly
SHEAVE ROLLERS
INSIDE DEROPEMENT GUIDES
MAIN PIVOT POINT
SECONDARY PIVOT POINTS
ROPE CATCHING SHOES


SKI LIFT TECHNICIAN TRAINING
LEVEL 1
MT. ELLIOTT SKI PARK
Lookout Point Elevation: 9,522 Ft.
Base Lodge Elevation: 5,367 Ft.
Longest Run: 3 Miles
Skiable Acres: 2,370
Night Ski Acres: 163
Annual Snowfall: 459"
1
2
3
4
5
6
7
PARK SMART
SUSTAINABLE SLOPES
PACIFIC NORTHWEST SKI AREAS ASSOCIATION
Oregon State University


VR
Hydraulic Unit
Electric Motor

Course Demo

1. Open the Zappar app
2. Scan the circle code shown here
3. When it’s finished loading, point your phone at a flat (non-shiny) area on your ground or desk
4. Tap to place the terminal

Course Demo

SKI LIFT TECHNICIAN TRAINING

LEVEL ONE

Orientation starts: Week of June 14, 2021
Registration: Open Now!
Go to: orei.oregonstate.edu
Email: outdooreconomy@oregonstate.edu

How to Enroll

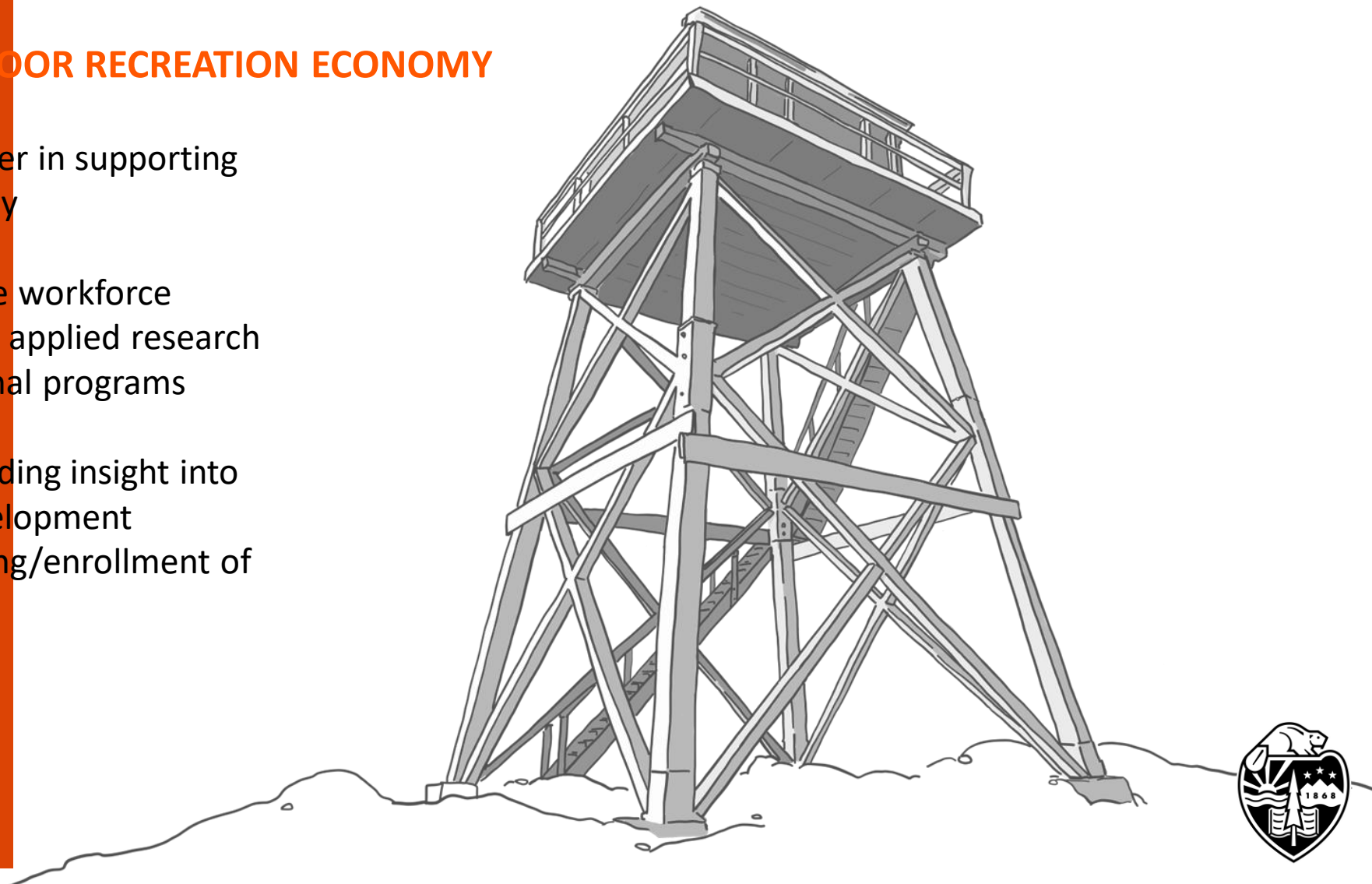
FUTURE OF OREI

OSU CENTER FOR THE OUTDOOR RECREATION ECONOMY

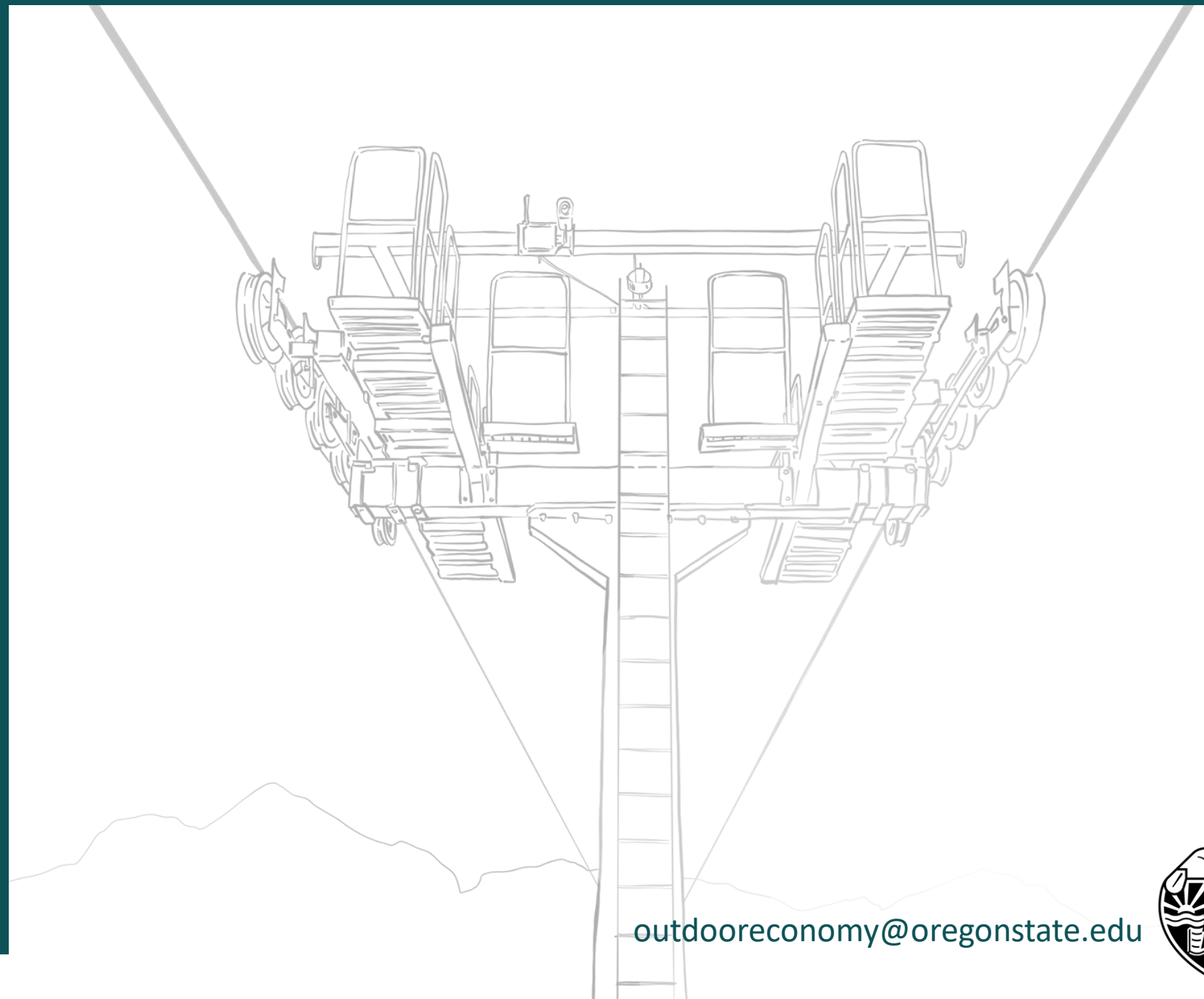
Vision: OSU is the national leader in supporting the outdoor recreation economy

Focus: Providing comprehensive workforce development solutions through applied research and industry-relevant educational programs

Association Partnerships: Providing insight into workforce needs, program development opportunities, support marketing/enrollment of developed programming.



Q & A



outdooreconomy@oregonstate.edu

THANK YOU

Oregon State University

center for the
OUTDOOR
RECREATION
ECONOMY

PNSAA
PACIFIC NORTHWEST
SKI AREAS
ASSOCIATION

outdooreconomy@oregonstate.edu