

# Guyless Hydraulic Yarders with Grapple Carriages

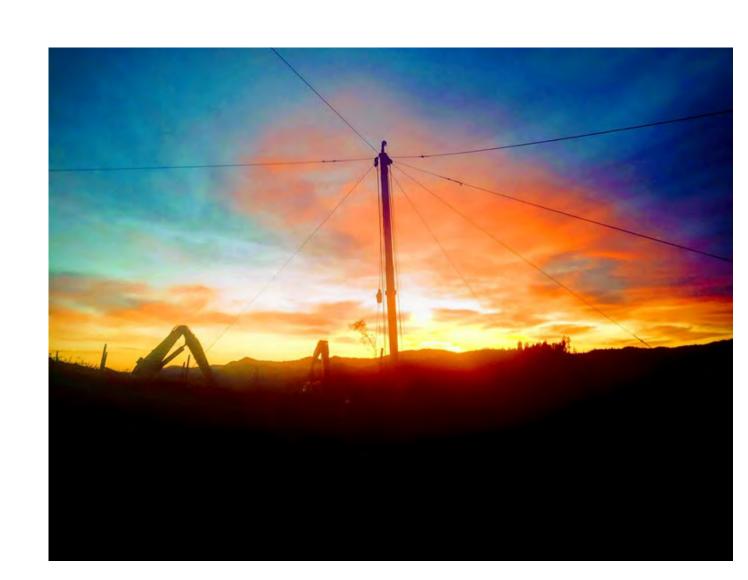
#### **Cascade West Equipment**

- Tigercat 180 Hydraulic Swing Yarder
  - Thunderbird TY90 Tower
- Thunderbird TSY255 Swing Yarder
  - Thunderbird 6140 Swing Yarder
    - Thunderbird 940 Yoder
      - Layout Drone
        - Tethers
      - Leveling Shovel
      - Leveling Hotsaws
      - Leveling Barsaw

# **Guyless vs. Traditional**

### **Tower Guyline Average Setup**

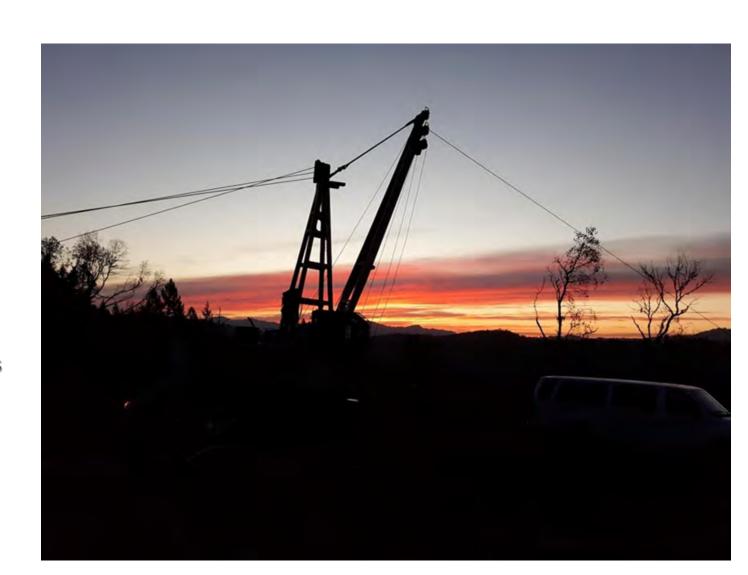
- 1 Day +
- 7+ guyline anchors
  - Dig deadmen, anchor dozers
- 4 + hand crew personnel



# **Guyless vs. Traditional**

## Swing Yarder Guyline Average Setup

- 1 hour +
- 3-4 guyline anchors
  - Stumps, trees, deadmen, anchor dozers
- 3 + hand crew personnel



# **Guyless vs. Traditional**

## **Guyless Hydraulic Yarder Setup**

- Minutes
- 0 guyline anchors, 1 optional
- 0 hand crew personnel







#### Why do we choose guyless?

Reduced setup time

Picking stumps, falling guyline trees, notching, spooling guyline

- Reduced manpower
  - Single operator can setup
- Landing opportunities
  - Use road width, swing trees
- Decreased guyline stumps/trees available
- Easier to setup in right place for maximum productivity.
  - Not limited by guyline stumps, spots to get dozers, deadmen





## **Hydraulic Yarder**

- Updated machine
  - Sealed cab, temperature control, quieter, communication
  - Better sustained operator comfortability
- Less time specialized training
  - Easier transition from other machines
- Hydraulics with Software integration
  - Auto-retrieve
  - X,Y Plot







