





# RURAL WORKFORCE CHALLENGES

## 1. Volume of Workers Available

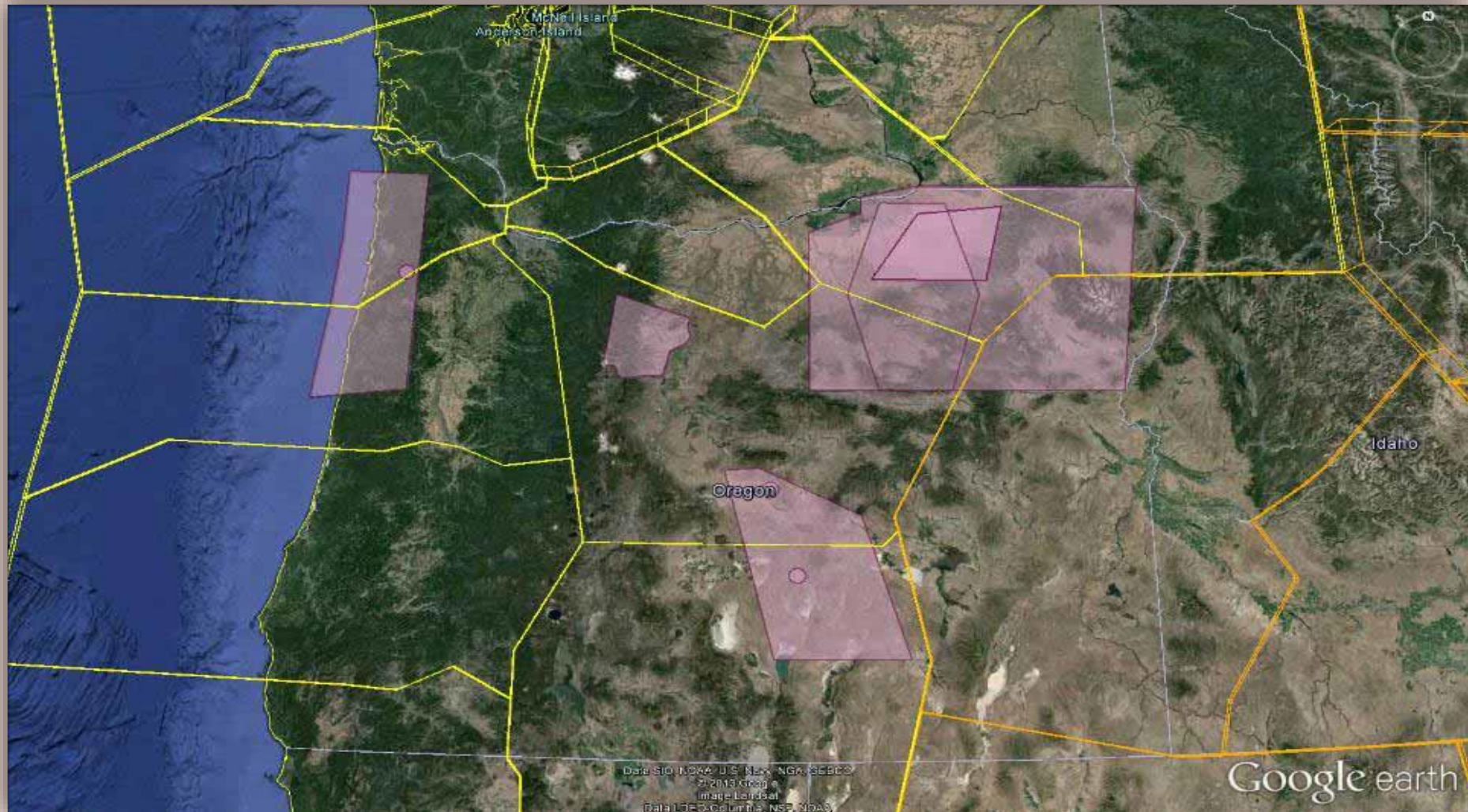
1. Hard to Grow Quickly
2. More Isolated, More Difficult

## 2. “Brain Drain”

1. Employment Opportunities
2. Wage Rates
3. Lifestyle



PENDLETON UAS RANGE  
14,000 SQ. MILES  
SURFACE – 15,000 FT. MSL



# RAPID GROWTH OF THE UAS RANGE



**2016 – 108 ops**

**2017 – 494 ops**

**2018 – 730 ops**

**2019 – 1,064 ops**

**2020 – 2,506 ops**

**2021 – 4,792 ops YTD**

# WHY NOW?



## Rapid Advancements in:

- **Autonomous Tech**
- **Robotics**
- **Artificial Intelligence**
- **Aerospace**
- **Renewable Energy**
- **Battery Technology**
- **Nanotechnology**
- **Connectivity/Telecommunication**

# WHY EASTERN OREGON? NEWEST DIMINISHING NATURAL RESOURCE





# Ability to Fly Complex Missions



Higher

Faster

Larger than 55-lbs.

Night Ops

Simultaneous Ops

BVLOS (Beyond Visual Line of Sight)

**FAA Type Certification**



# THE UAS MARKETS



## Existing:

- **Defense Industry**
- **Cinematography**
- **Infrastructure Inspection**
- **First Responders/Search & Rescue**
- **Forest Fire Fighting - sUAS**
- **Agriculture – sUAS**
- **Counter Drone**

## Coming Soon (5-20 years):

- **Urban Air Mobility – Flying Cars/Buses/Trucks (“The Jetsons”)**
- **Last Mile Delivery (UPS, FedEx, Amazon, etc.)**
- **Forest Fire Fighting – Large UAS**
- **Agriculture – Large UAS**



# UAS Platforms



Cubic ISR - Ares



Yamaha – RMAX & FAZER



Yates Electrospace – Silent Arrow



PNNL - ArticShark



AAI - Shadow



AATI - Resolute Eagle



Alpha One -Vahana



ISR-ONE – Cubic ISR



Flares & Scan Eagle



# ASSETS & INFRASTRUCTURE



## Mobile Mission Control Trailer



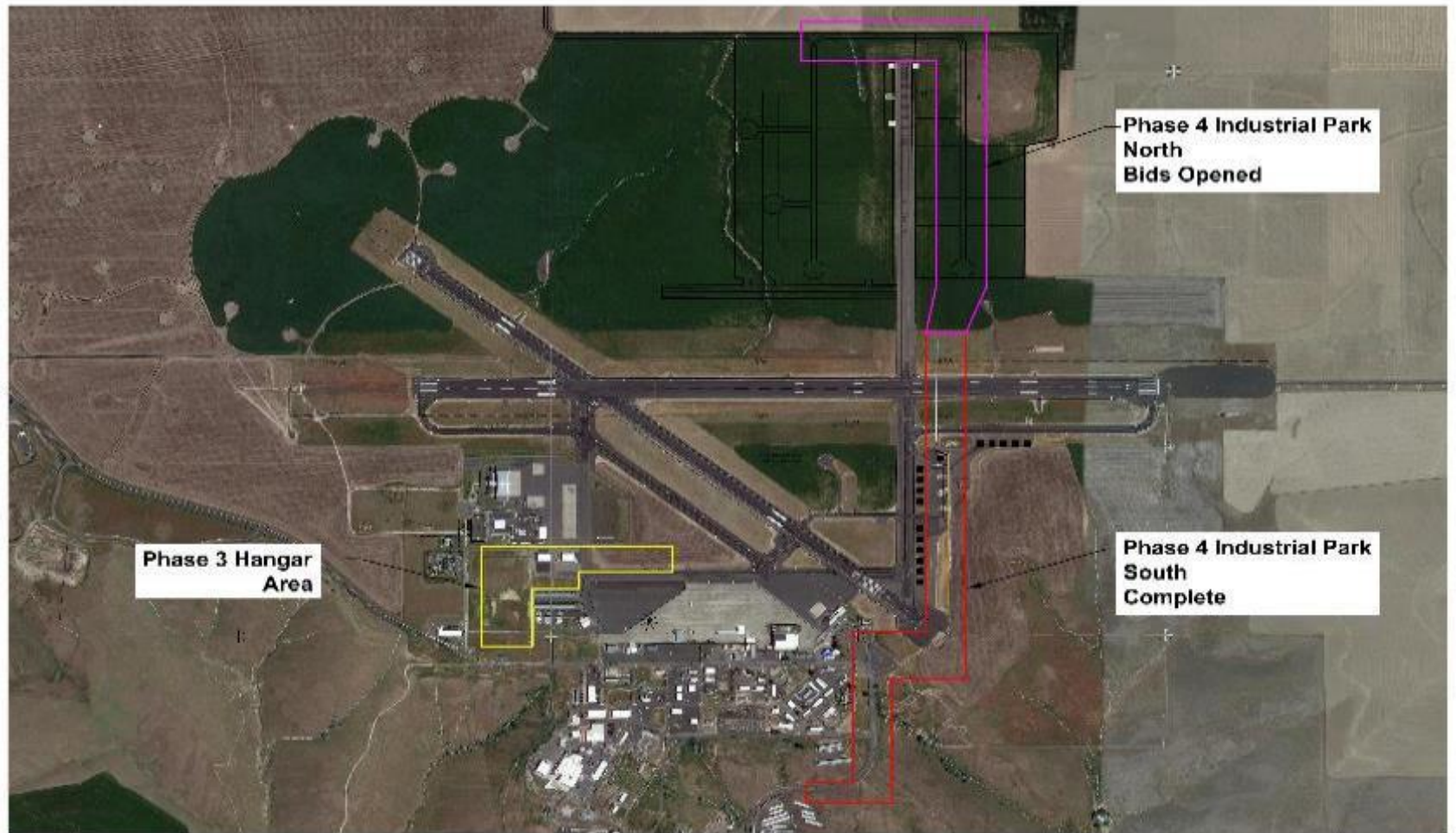
## Fixed Mission Control Room







# PHASE IV UAS INDUSTRIAL PARK



# RADISSON HOTEL (MARCH 2022)

78-ROOM W/ RESTAURANT AND BAR  
EXTENDED STAY WING COMING IN 2023



# BEGINNINGS OF A CLUSTER: WHAT'S HERE & WHAT'S COMING?



## CURRENT EMPLOYMENT

**Direct -**

**100+ FTE OEM's**

## PROJECTED 2022

**Direct -**

**100-150 FTE OEM's**

**25+ Supply Chain**

**Indirect Jobs - ?**

**Induced Jobs - ?**





# TYPES OF JOBS

- **Pilots**
- **Mechanics/Maintainers**
- **Payload Operators/Integrators**
- **Engineers**
- **Aerospace**
  - Mechanical
  - Electrical
  - Software
- **Admin**
- **Coming? Assembly & Manufacturing**

# UAS ECONOMIC DEVELOPMENT PROJECTS



- **I-84 Aerospace Corridor**
- **Expansion of the UAS Range Airspace**
- **Columbia River Ag Technology Coalition (\$25m-\$75m)**
- **UAS Innovation Hub**
- **Remote Launch and Recovery Sites**
  - Sister Airports
  - Private Landowners



# WORKFORCE DEVELOPMENT

## Interns

- **2021 Summer Internship Program**
  - 5 Paid Interns

## Training/Education

- **UP3 Training Course**
- **BMCC, PUR, and UAS Partnerships**
- **Public Workshops**
  - Pendleton Library
  - Parks and Rec
  - CMEO
- **ODE Program of Study - Aviation**



# Extremely Rare Economic Development Opportunity

