



# X-Lab and Innovation

Community Advisory Council | February 18, 2020

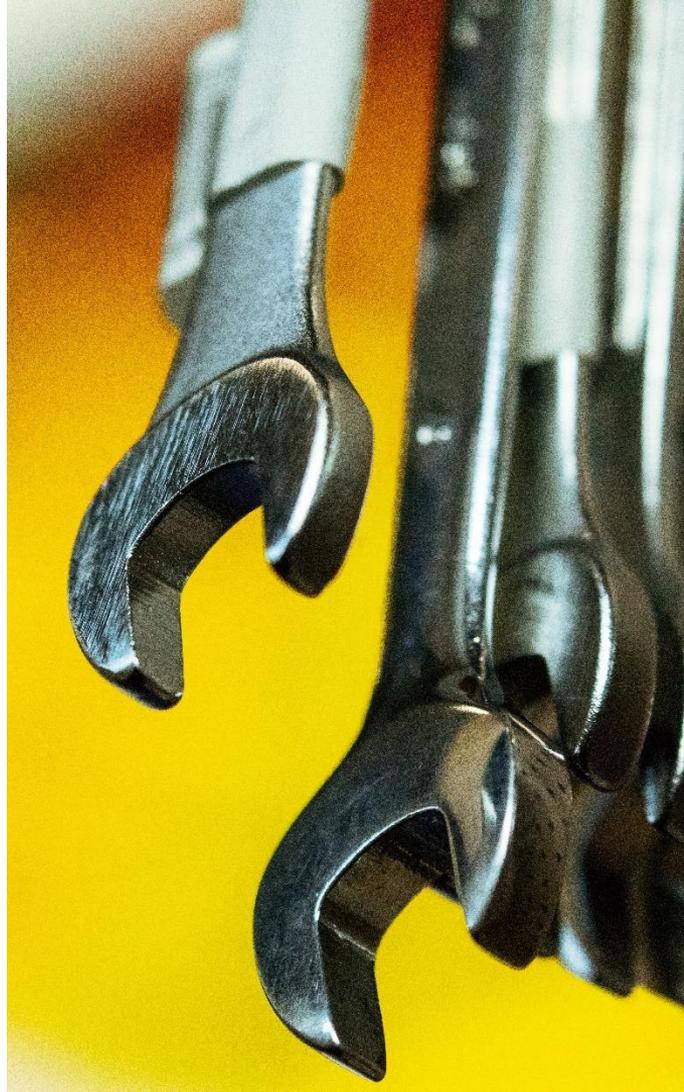


ONTARIO **POWER**  
GENERATION

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# Agenda

- 1 | Innovation Velocity
- 2 | Video
- 3 | X-Lab
- 4 | What do we do?
- 5 | Wireless
- 6 | Mixed Reality
- 7 | Digitalization and AI
- 8 | Additive Manufacturing
- 9 | Q&A



# Innovation Velocity

## Introduction

## Quality, Efficiency and Innovation

What is Innovation Velocity?

- SPEED and Direction
- Vendor Community
- Support Network
- Fail Fast (low cost)



A close-up photograph of a human ear, showing the ear canal and the surrounding skin. The text "Have you heard of X-Lab?" is overlaid in white, with "X-Lab" underlined in green and a green arrow pointing to the right.

**Have you heard of X-Lab?**

So.. What is the X-Lab?

## About X-Lab

# Mission

Slide 6



WE'RE A  
PASSIONATE  
TEAM FILLED WITH  
PASSIONATE  
INDIVIDUALS



X-Lab mission is to create cost savings through creative thinking and to drive improvements in safety, reliability and efficiency.

# X-LAB – What We Do.

01

**Build**

X-Lab builds tools/products to be used by various group.

02

**Connect**

X-Lab acts as a consultant connecting you to the right group or vendor for a solution.

03

**Teach**

We support staff to develop the necessary skills to bring innovation back to their groups.

04

**Inspire**

X-Lab develops prototypes/proofs of concept of emerging technologies to drive the change in Innovation Culture.

# Build

Wireless Sensors  
Wireless Gateways  
Asset Tracking

Wireless Tech

VR/AR/360 Video

HoloLens  
HTV Vive  
Oculus GO

X-LAB

3D Printers  
3D Scanners

Additive Manufacturing

Digital Tools

Apps  
PowerBi

# Wireless

Wireless Sensors  
Wireless Gateways  
Asset Tracking

Wireless Tech



# Additive Manufacturing



3D Printers  
3D Scanners

Additive Manufacturing

# Digital Tools

## Observation & Coaching

### #1 Observation Info

Facility: -                      Work Group: -  
 Location: -                    Crew: -  
 Paired O&C: -  
 Observer: -  
 Activity: -

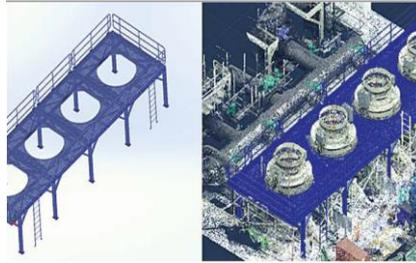
## Pickering Housekeeping & CMS

- + Housekeeping Issue
- + CMS Issue
- + Leaks
- ↑ Upload Offline Records
- 📶 Check Connection



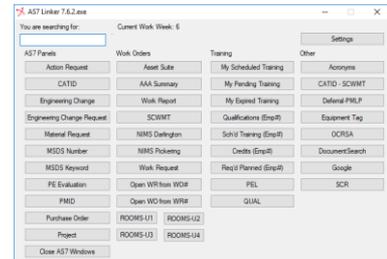
Online ●

v9



Version 2019-02-14  
x-lab@opgg.com

Must be connected to the internet to obtain data and to save data properly.

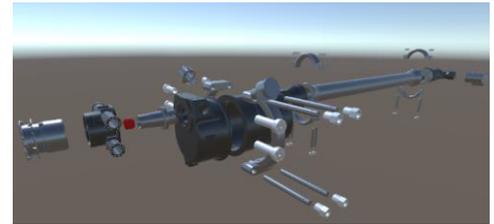
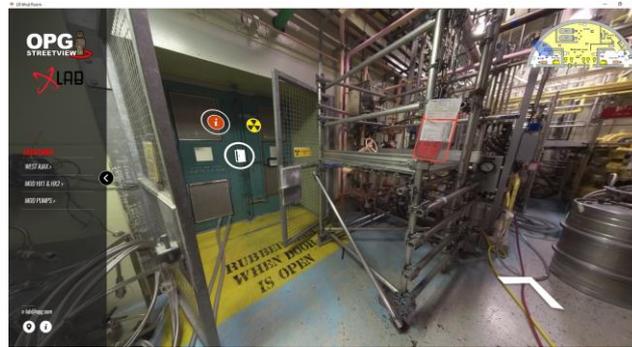


# Mixed Reality



VR/AR/360 Video

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HTV Vive  
Oculus GO



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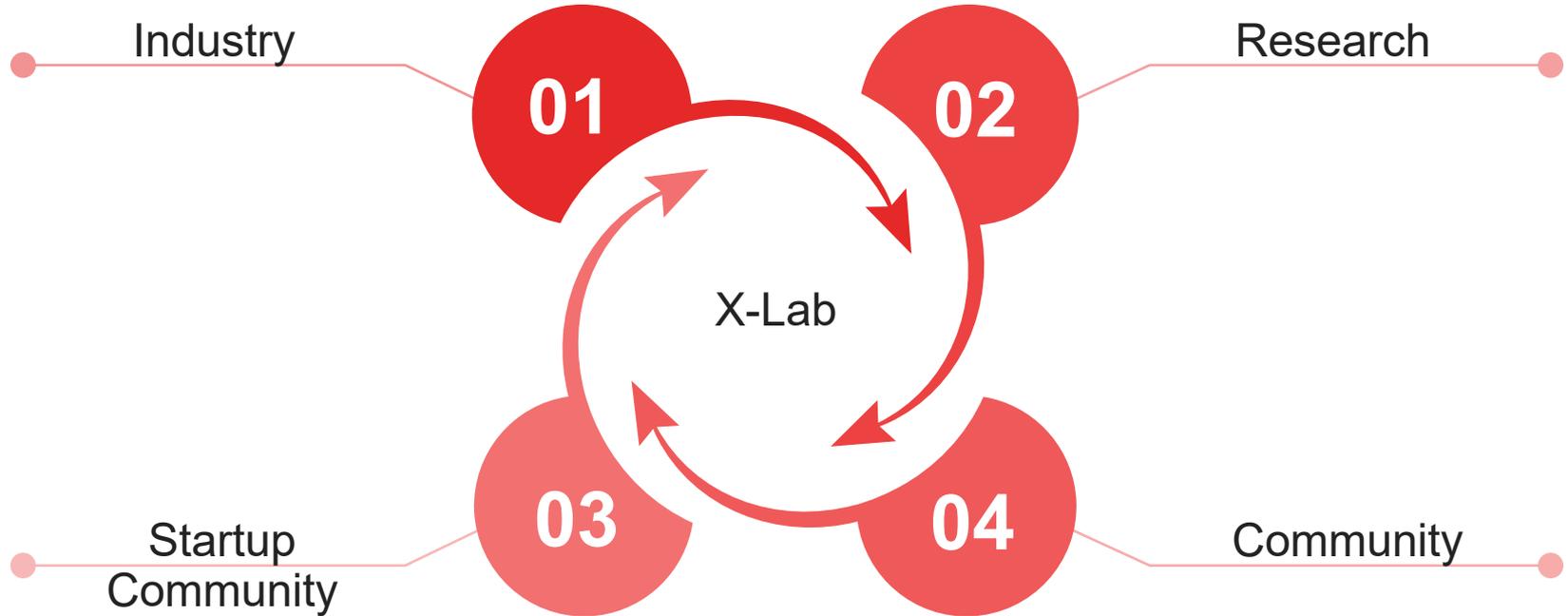
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# Connect External





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