



# X-Lab and Innovation

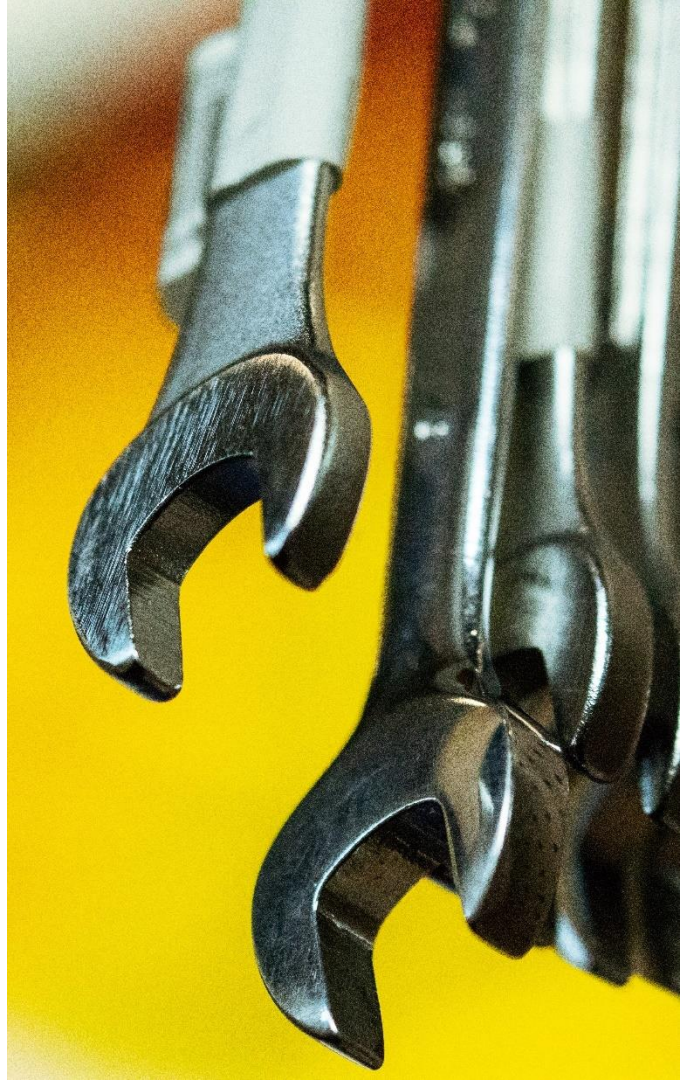
Community Advisory Council | February 18, 2020



ONTARIOPOWER  
GENERATION

# 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 outer ear (pinna) and the ear canal. The skin is a light brown color, and the ear is positioned slightly to the left of the center. The background is a dark, textured surface, possibly hair or a wall.

**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

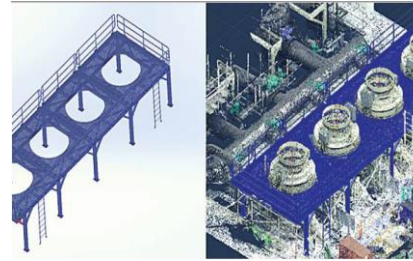
Upload Offline Records

Check Connection

WE SC NUCLEAR Professional

LAB Online

v9



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

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



Digital Tools

AST Linker 7.6.2.exe

You are searching for: Current Work Week: 6

AST Panels: Action Request, CATO, Engineering Change, Engineering Change Request, Material Request, MSDS Number, MSDS Keyword, PE Evaluation, PMD, Purchase Order, Project, Close AST Windows

Work Orders: Asset Suite, AAA Summary, Work Request, NIRS Catalog, NIRS Pickering, Work Request, Open WIR from WDIR, PMD, Open WDIR from WDIR, ROOMS 131, ROOMS 142, ROOMS 143, ROOMS 144

Training: My Scheduled Training, My Pending Training, Qualifications (EmpIt), Solid Training (EmpIt), Credits (EmpIt), Rec'd Planned (EmpIt), PEL, GUAL

Other: Accession, CATO - SCBMT, Deferral P&P, Document Search, OCRSA, SCR

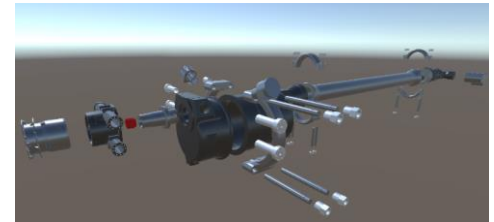
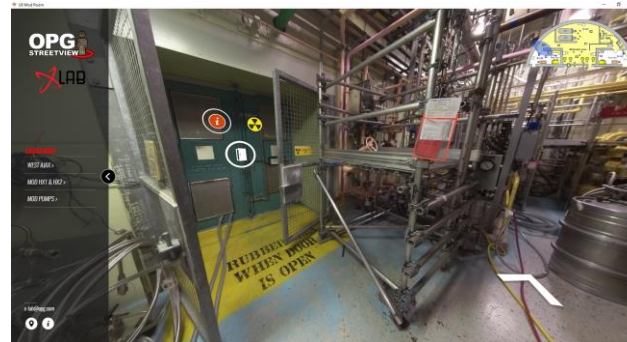
Settings

# Mixed Reality



VR/AR/360 Video

HoloLens  
HTV Vive  
Oculus GO





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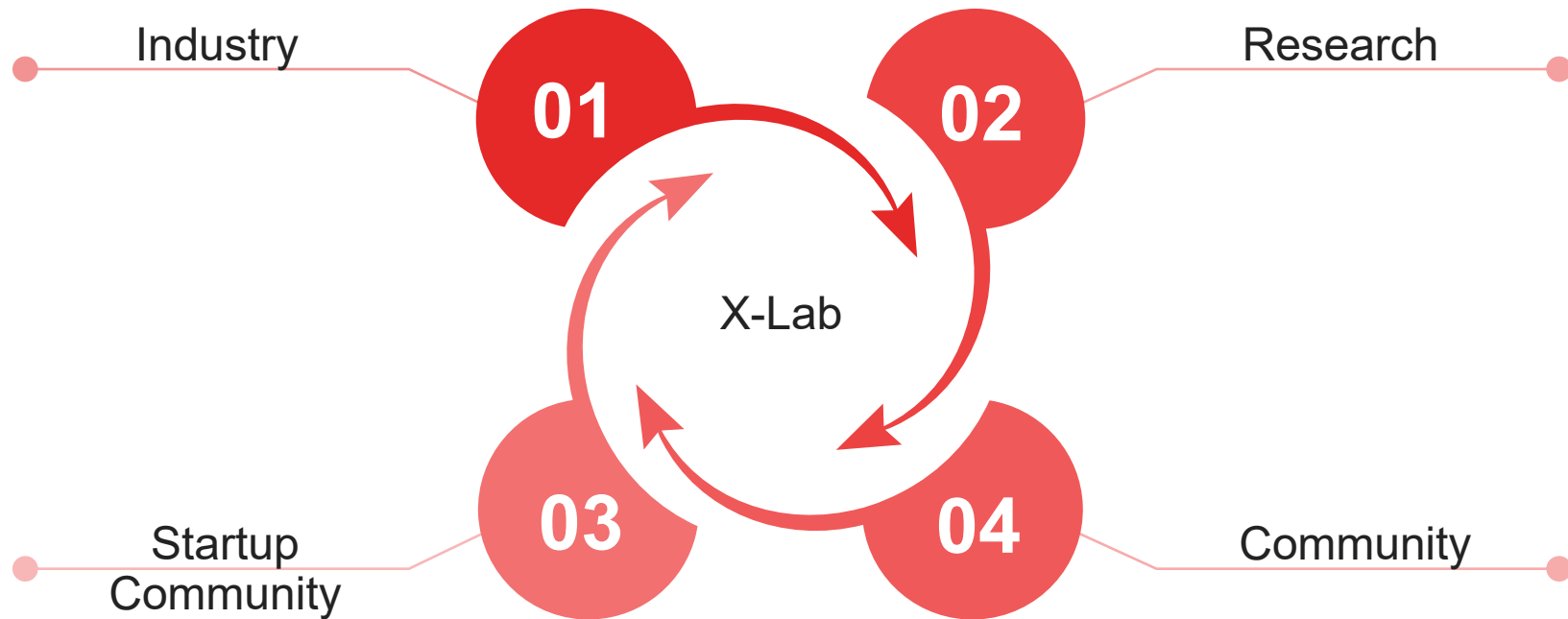
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# Connect External





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