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# INTRODUCTION TO ALTRONIC LABS

*TIME TO CHANGE THE RULES AGAIN...*

ALTRONIC

“



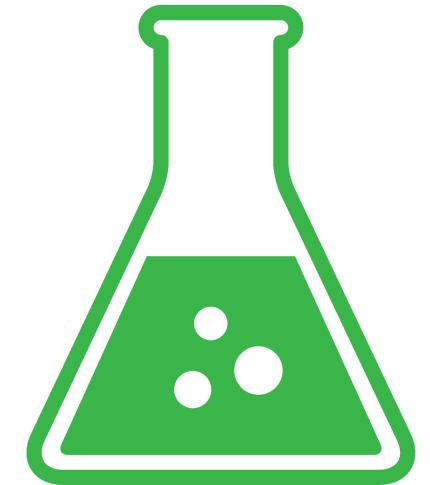
# Linus Torvalds

Creator of Linux and Git

I often compare open source to science. Science took this whole notion of developing ideas in the open and improving on other peoples' ideas. It made science what it is today and made the incredible advances that we have had possible.

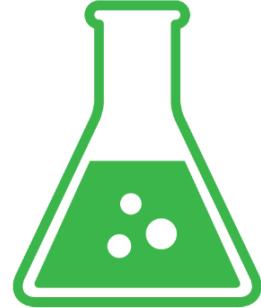
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**ALTRONIC** labs





# ALTRONIC labs

A green line-art icon of a conical flask containing three white dots, positioned to the right of the company name.

Welcome to the "Altronic labs" GitHub Repo

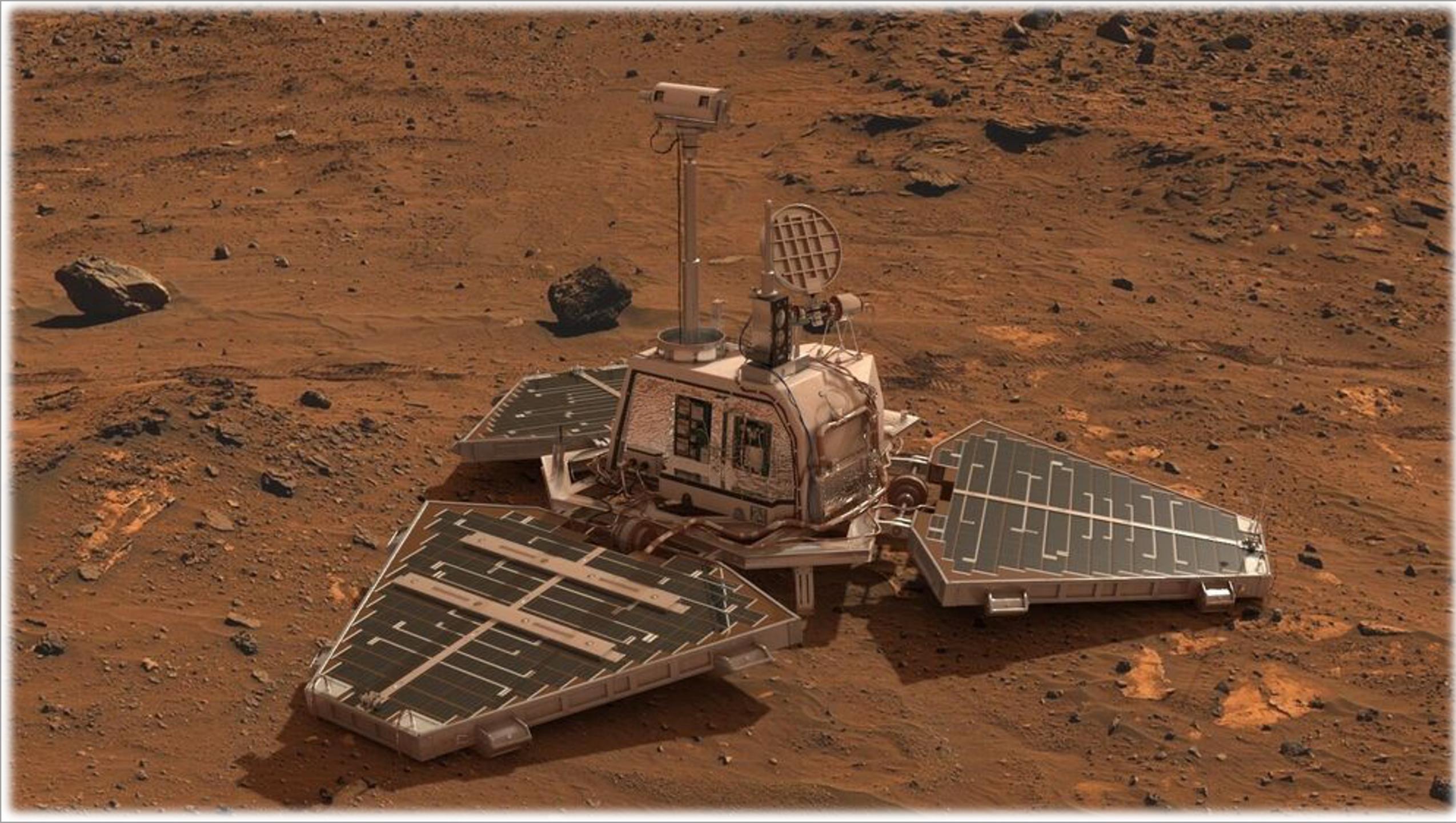
***What is Altronic labs?***

Altronic labs is a technology incubation project sponsored by Altronic, LLC. The primary focus of the project is rapidly deploying new technologies for use in industrial control.

***Altronic / Altronic labs commitment to open-source***

Altronic & the Altronic labs project will embrace the ideals of open-source hardware and software and will release documentation, design files, and source code for projects. Altronic, LLC reserves the right to make proprietary products which incorporate some or all the Altronic labs project and will release subsequent bug-fixes and enhancements from time to time.

Written with [StackEdit](#).



# ***SPRINT #1 – “PATHFINDER”***

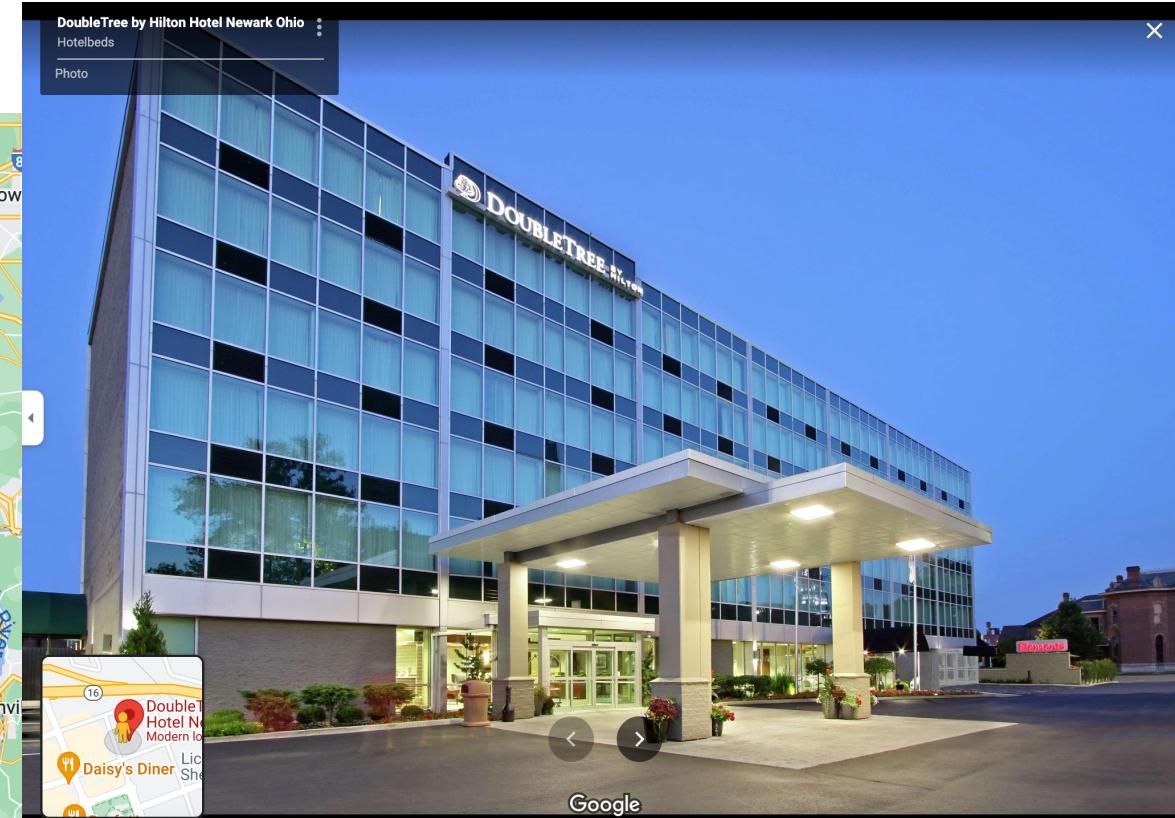
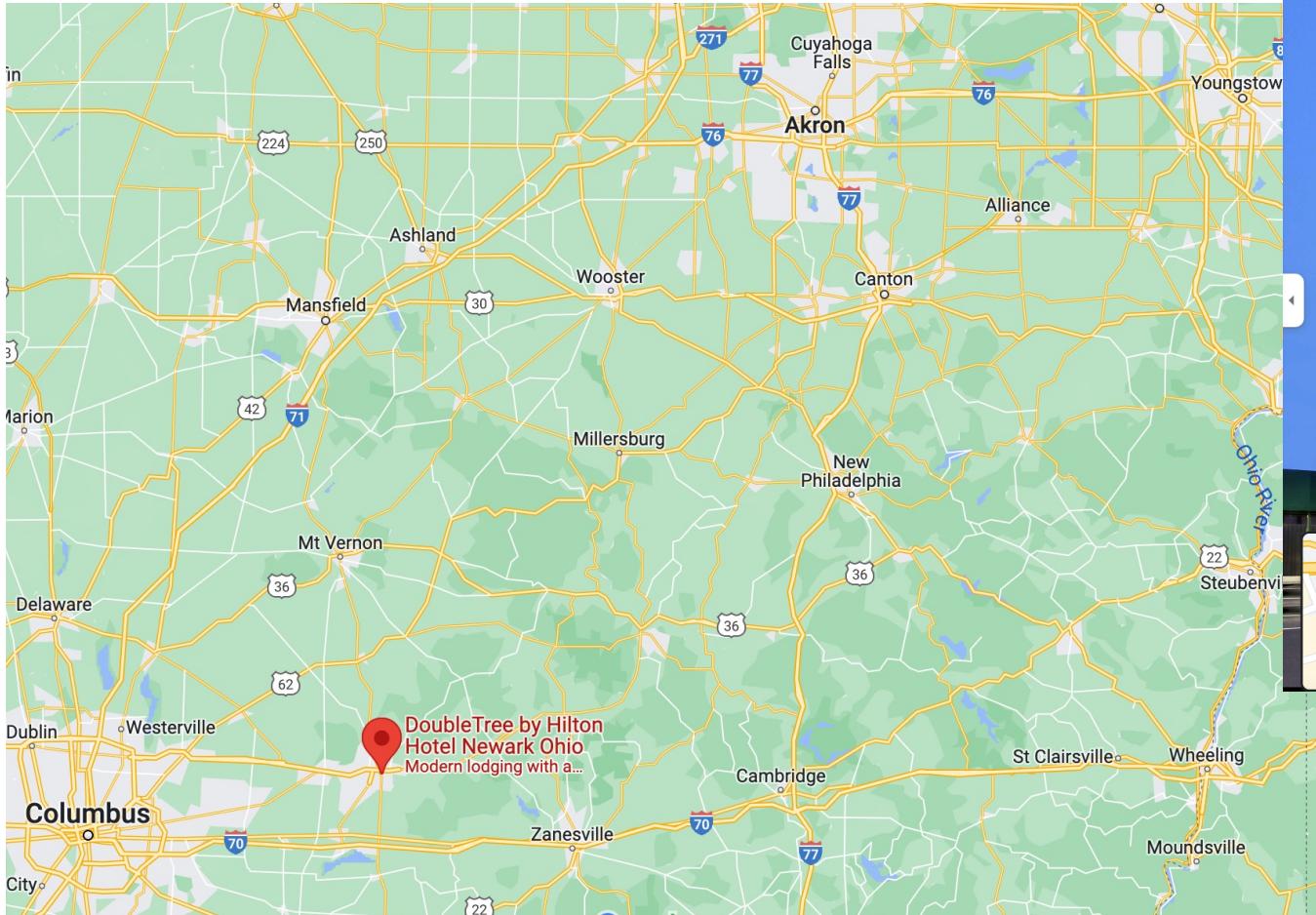
MARCH 26-31, 2023 – Newark, Ohio



**ALTRONIC**  
**labs** 

# **SPRINT #1 – “PATHFINDER”**

**MARCH 26-31, 2023 – Newark, Ohio**



**ALTRONIC**  
**labs**



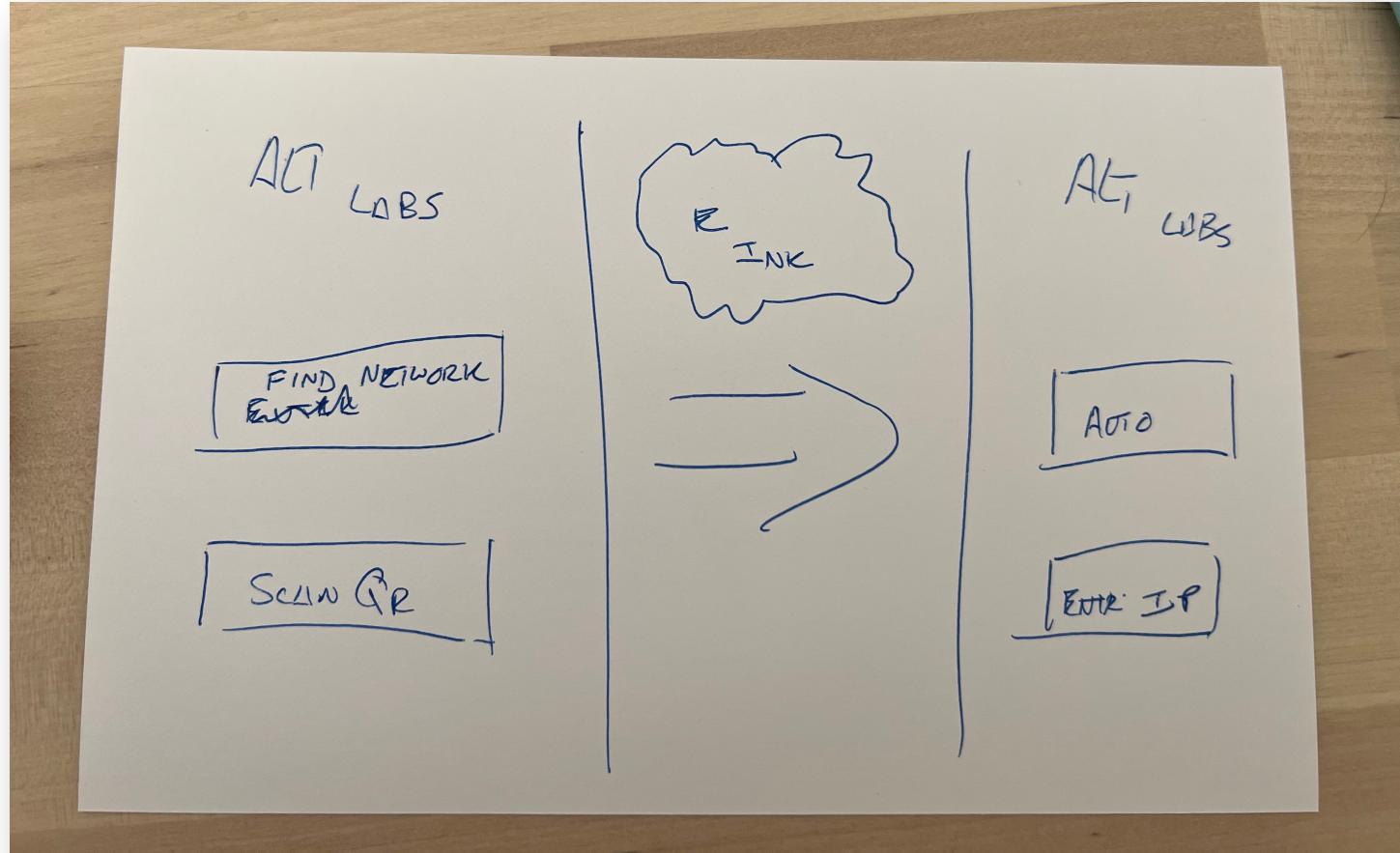
# ***SPRINT #1 – “PATHFINDER”***

**MARCH 26-31, 2023 – Newark, Ohio**

<b><i>Altronic labs - Sprint 1 - "Pathfinder"</i></b>					
<b>Sunday</b> 3/26/23	<b>Monday</b> 3/27/23	<b>Tuesday</b> 3/28/23	<b>Wednesday</b> 3/29/23	<b>Thursday</b> 3/30/23	<b>Friday</b> 3/31/23
	Breakfast (on-site)	Breakfast (on-site)	Breakfast (on-site)	Breakfast (on-site)	Breakfast (on-site)
	Working Session (8:30-12:00)	Team Building Event - off-site, "Applied Mathematics"	Working Session (8:30-12:00)	Working Session (8:30-12:00)	Working Session (8:30-12:00)
Arrival Doubletree by Hilton - Newark, OH (3:00PM)	Lunch (12:00-1:00)		Lunch (12:00-1:00)	Lunch (12:00-1:00)	Closing (12:00-12:30)
Opening Dinner - tbd.	Working Session (1:00-7:00)	Working Session (4:00-7:00)	Working Session (1:00-7:00)	Working Session (1:00-7:00)	
	Dinner - tbd.	Dinner - tbd.	Dinner - tbd.	Closing Dinner - tbd.	

# **SPRINT #1 – “PATHFINDER”**

MARCH 26-31, 2023 – Newark, Ohio



# SPRINT #1 – “PATHFINDER”

MARCH 26-31, 2023 – Newark, Ohio

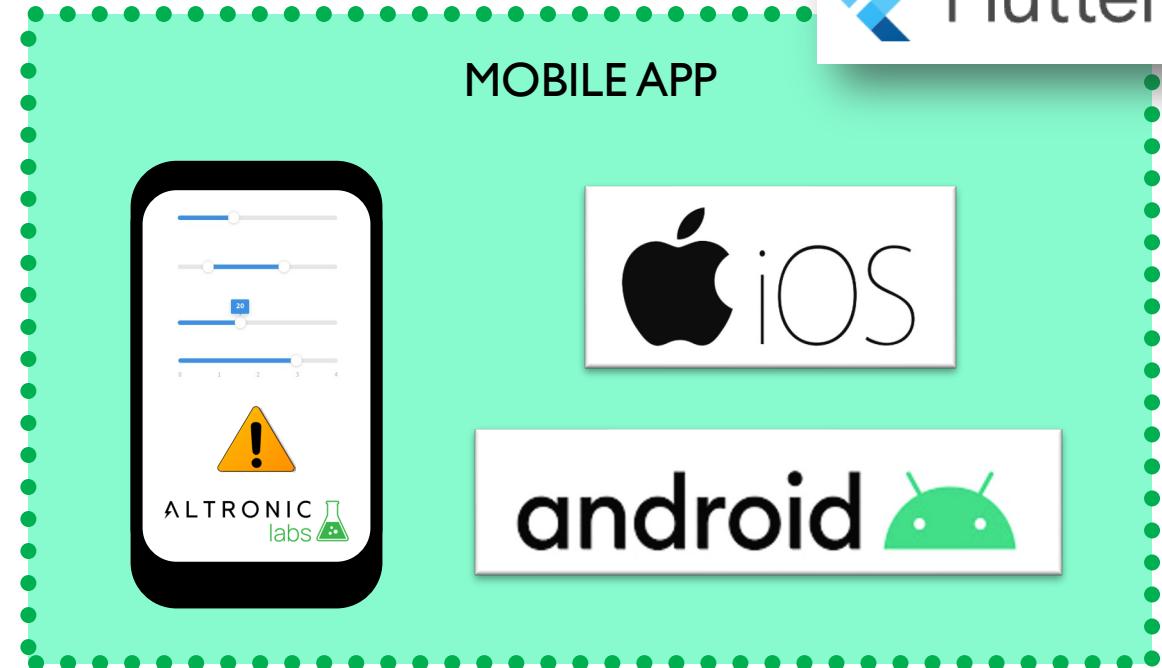


EMBEDDED HARDWARE PLATFORM

LIBRARY/API FOR WIFI/QR



*circuit*  
*python*



ALTRONIC  
labs A green test tube icon with three bubbles inside.

# *Hardware Fireteam - "Bedrock"*

HARDWARE PLATFORM

WIFI/E-INK/INTERFACES

HARDWARE DERIVATIVE  
ALTRONIC SAVeS

MEMS IMU/ACCELEROMETER

Open-Source  
Component

Proprietary  
Component

ALTRONIC  
labs



# *Embedded Fireteam - "Iris"*

EMBEDDED PLATFORM

BSP / API FOR WIFI

Open-Source  
Component

Proprietary  
Component

EMBEDDED DERIVATIVE  
ALTRONIC SAVeS

VIBRATION ANALYSIS

ALTRONIC  
labs

# *Mobile App Fireteam - "Overwatch"*

iOS/ANDROID APP

CONNECT TO EMBEDDED  
“UNSIGNED” DEVICES

iOS/ANDROID APP

CONNECT TO SIGNED DEVICES

Open-Source  
Component

Proprietary  
Component

**ALTRONIC** labs

