
INTRODUCTION TO ALTRONIC LABS

TIME TO CHANGE THE RULES AGAIN...

ALTRONIC

“



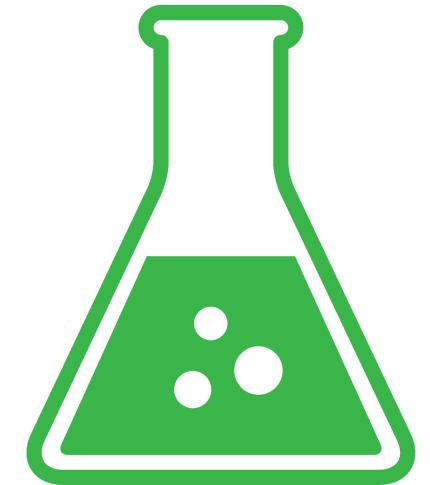
Linus Torvalds

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.

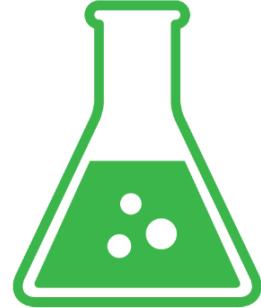
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ALTRONIC labs





ALTRONIC labs

A green laboratory flask icon containing three white dots, positioned to the right of the company name.

Welcome to the "Altronic labs" GitHub Repo

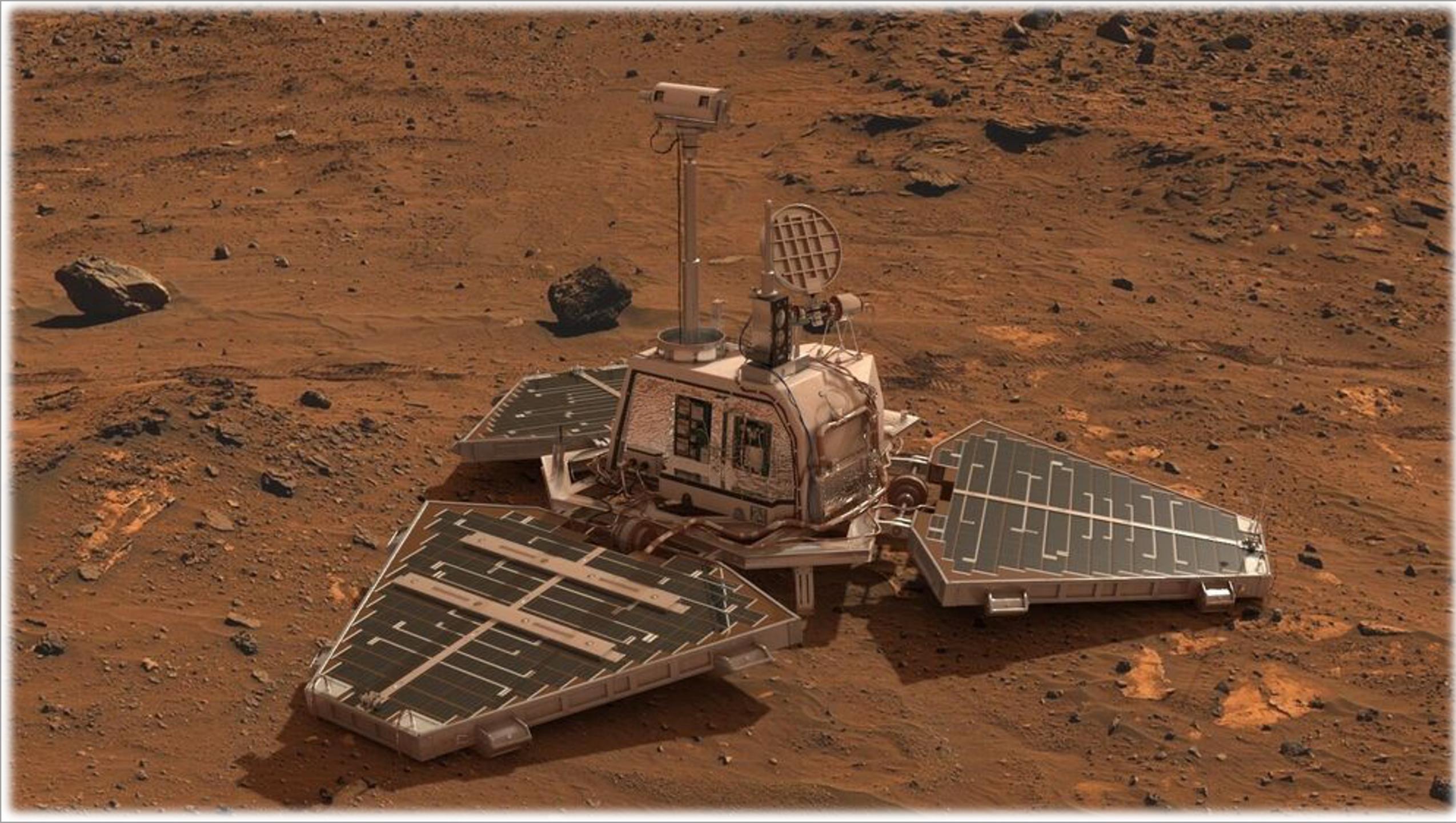
What is Altronic labs?

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”

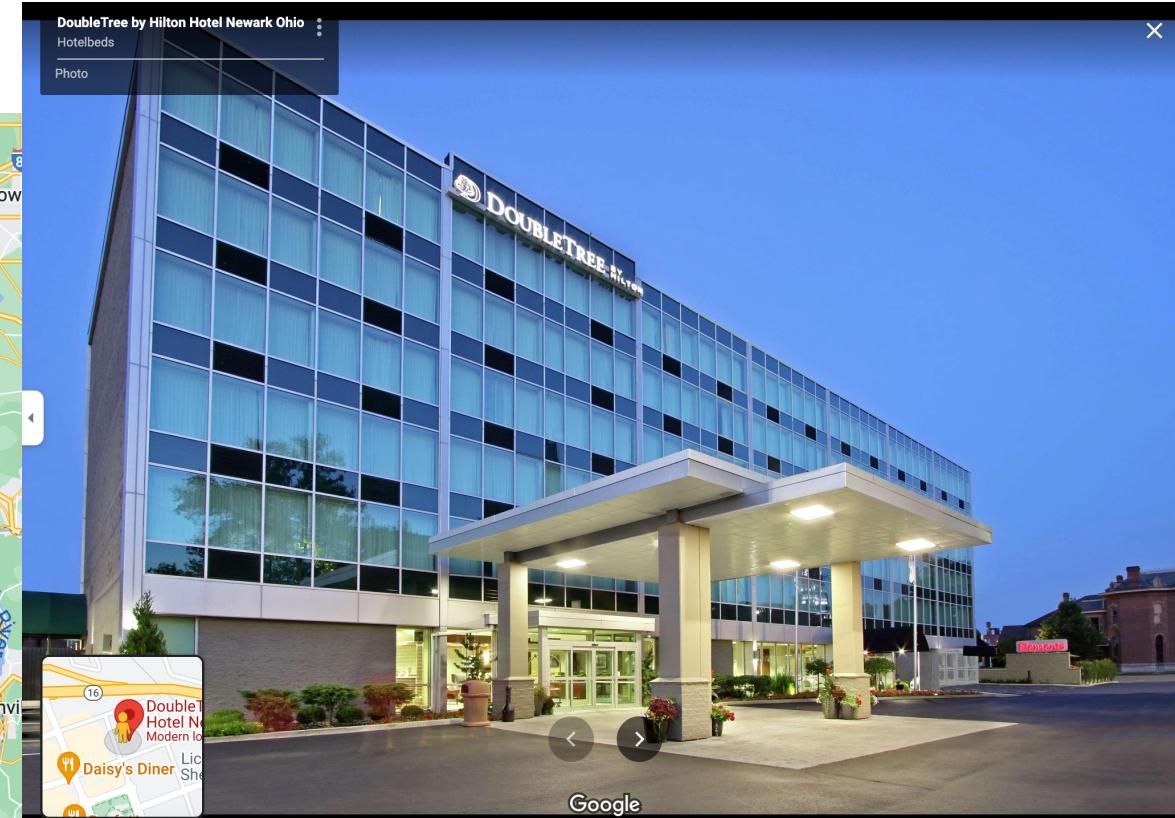
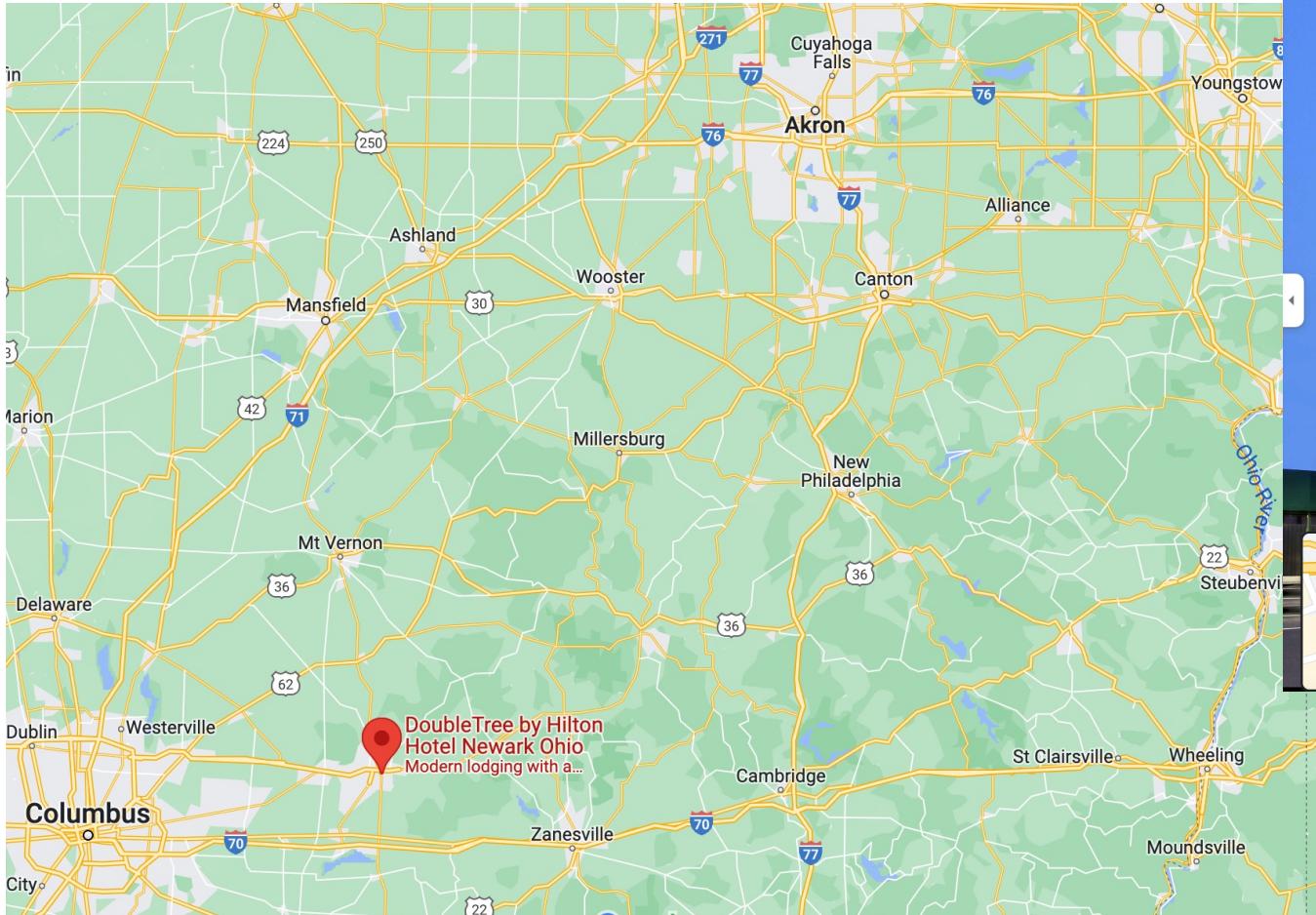
MARCH 26-31, 2023 – Newark, Ohio



ALTRONIC
labs 

SPRINT #1 – “PATHFINDER”

MARCH 26-31, 2023 – Newark, Ohio



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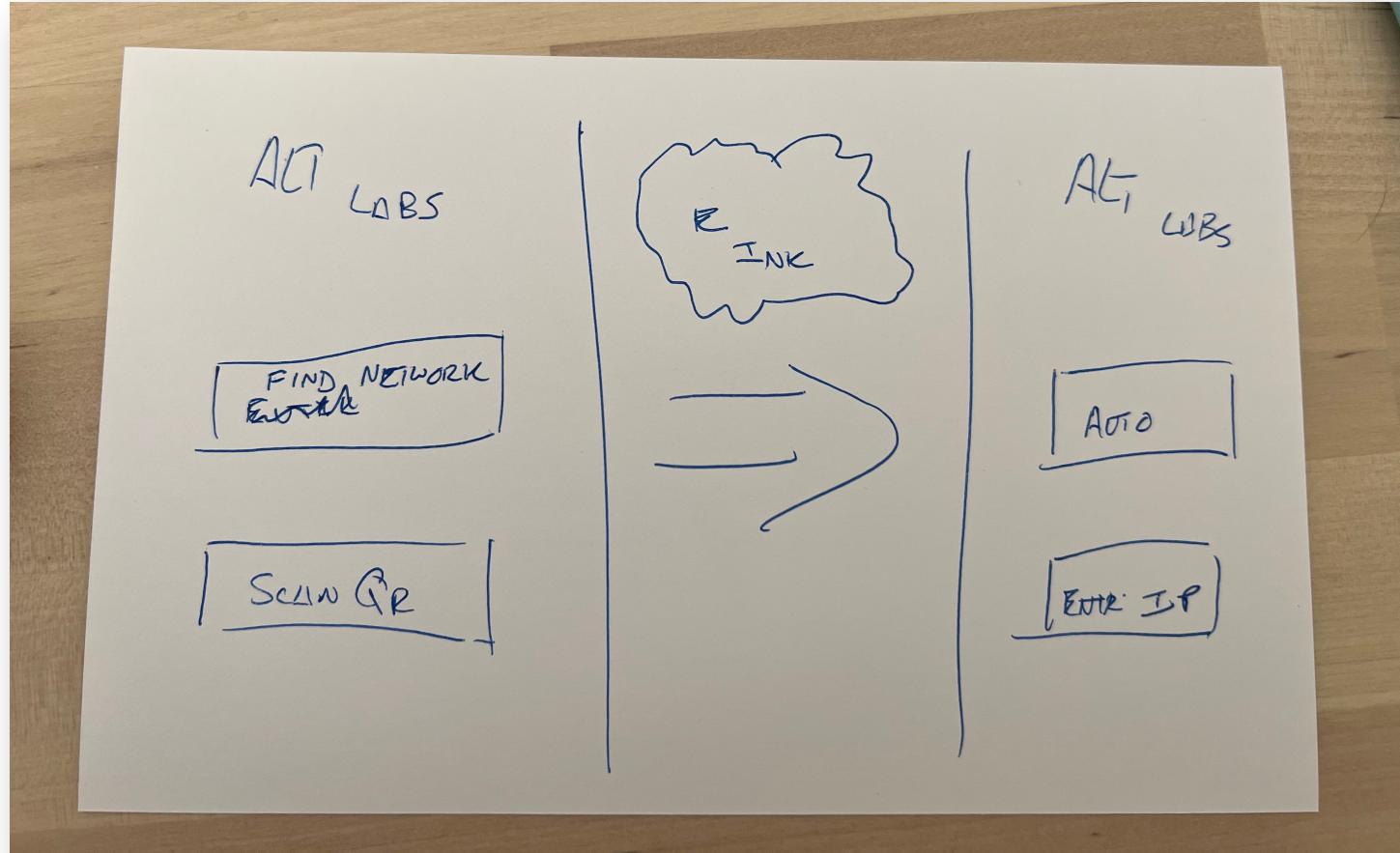
SPRINT #1 – “PATHFINDER”

MARCH 26-31, 2023 – Newark, Ohio

<i>Altronic labs - Sprint 1 - "Pathfinder"</i>					
Sunday 3/26/23	Monday 3/27/23	Tuesday 3/28/23	Wednesday 3/29/23	Thursday 3/30/23	Friday 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.	

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SPRINT #1 – “PATHFINDER”

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EMBEDDED HARDWARE PLATFORM



circuit
python



LIBRARY/API FOR WIFI/QR

MOBILE APP



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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

EMBEDDED DERIVATIVE
ALTRONIC SAVeS

VIBRATION ANALYSIS

Open-Source
Component

Proprietary
Component

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

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