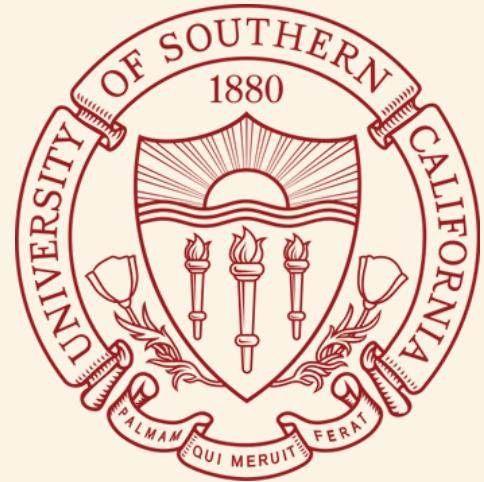


Signal KILLERS



SPONSOR <i>1st Lt Nicholas L. Carballo</i>	SPONSORING ORGANIZATION <i>US Air Force</i>	TOTAL INTERVIEWS <i>28</i>
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WEEK 1

- TRIANGULATION
- COST-EFFECTIVENESS
- FINDING SUITABLE HARDWARE

WEEK 15

- PINPOINT LOCATION IN 2D SPACE WITH TRIANGULATION
- BUILD A PROTOTYPE
- OPEN SOURCE



Meet
THE TEAM





~~The~~ PROBLEM





~~Supported~~ **APPROACH**



PROFESSOR KEITH MICHAEL CHUGG
PROFESSOR OF ELECTRICAL AND COMPUTER
ENGINEERING

LEARNING POINT 1.
TRIANGULATION

LEARNING POINT 2.
WIFI SCAN

LEARNING POINT 3.
USRP



TAMOGHNA SARKAR
PHD CANDIDATE FOR ELECTRICAL
ENGINEERING

LEARNING POINT 1.
BUY AND SELL

LEARNING POINT 2.
ADVERTISEMENT

LEARNING POINT 3.
TDOA ARRIVAL



Value PROPOSITION

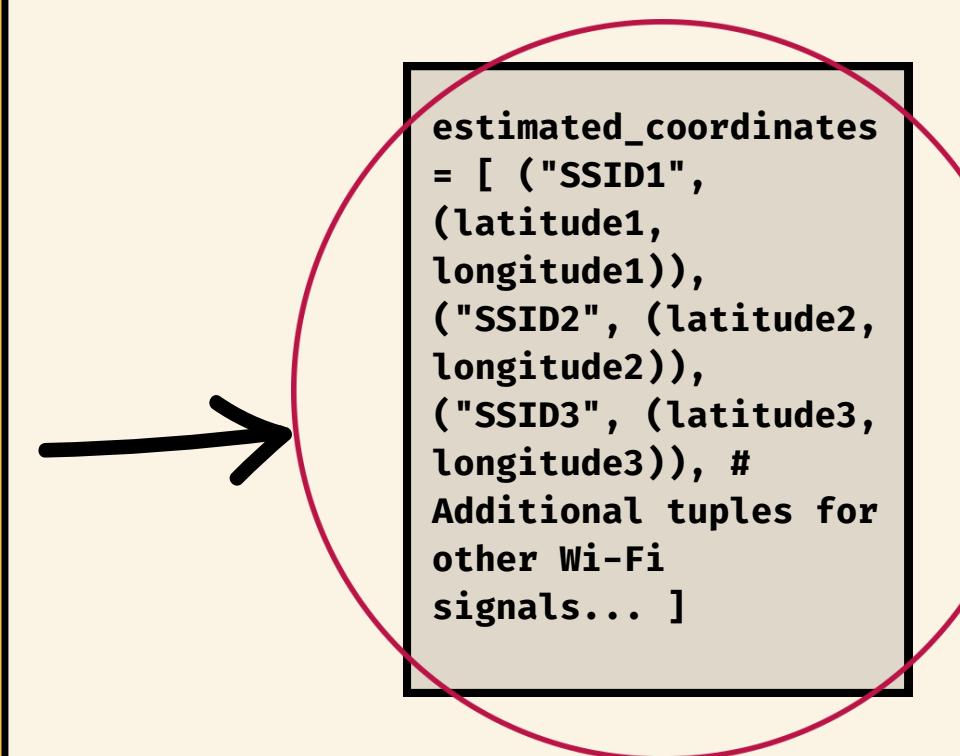
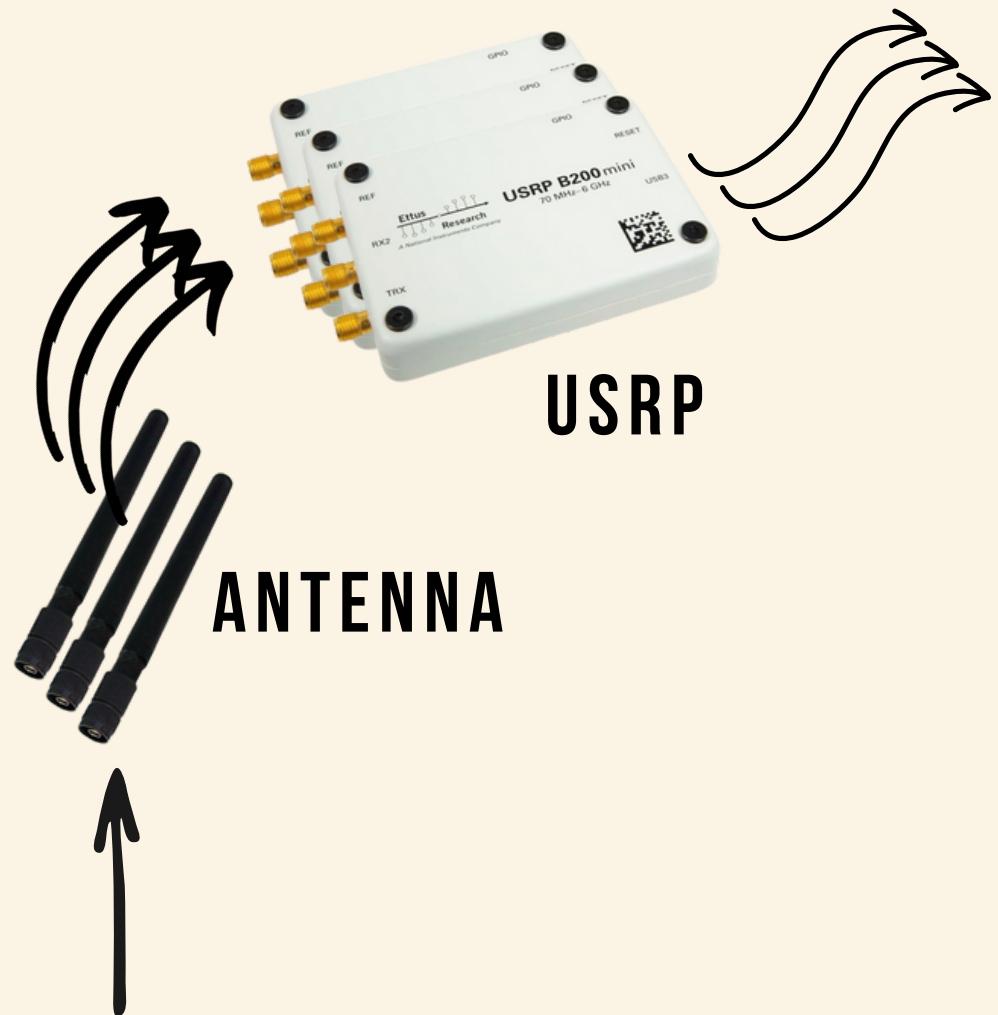
MARKET COMPARISON

CONVENTIONAL UPDATE

OPERATIONAL EFFICIENCY



SOLUTION

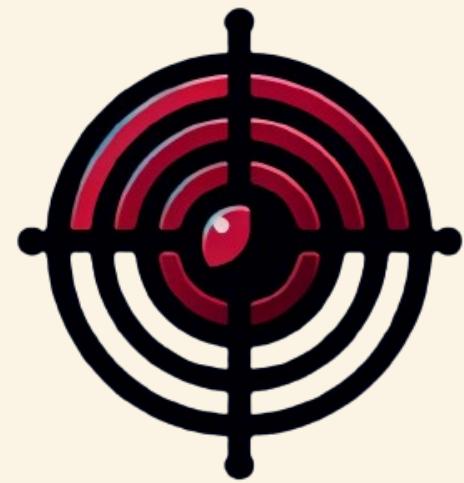


OUTPUT



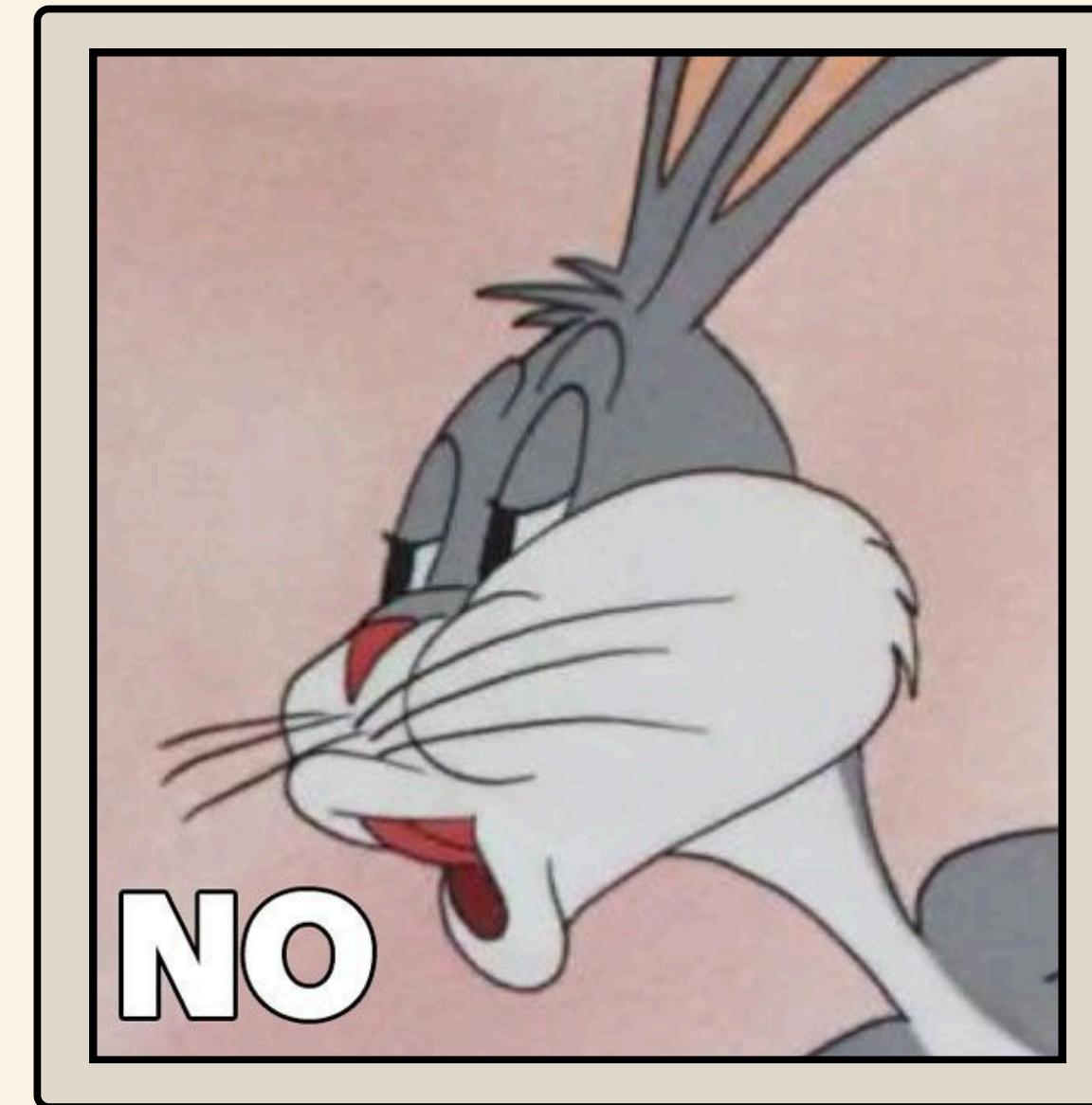
COMPETITION

Are we creating something that **doesn't** already exist in the market?



COMPETITION

Are we creating something that **doesn't** already exist in the market?





COMPETITION

Are we creating something that **doesn't** already exist in the market?

KEYSIGHT TECHNOLOGIES

MASSIVE LICENCING COSTS

ADDITIONAL COST FOR UPDATES

COST: \$1-2 MILLION





COMPETITION

Are we creating something that **doesn't** already exist in the market?

KEYSIGHT TECHNOLOGIES

MASSIVE LICENCING COSTS

ADDITIONAL COST FOR UPDATES

COST: \$1-2 MILLION



OUR SOLUTION

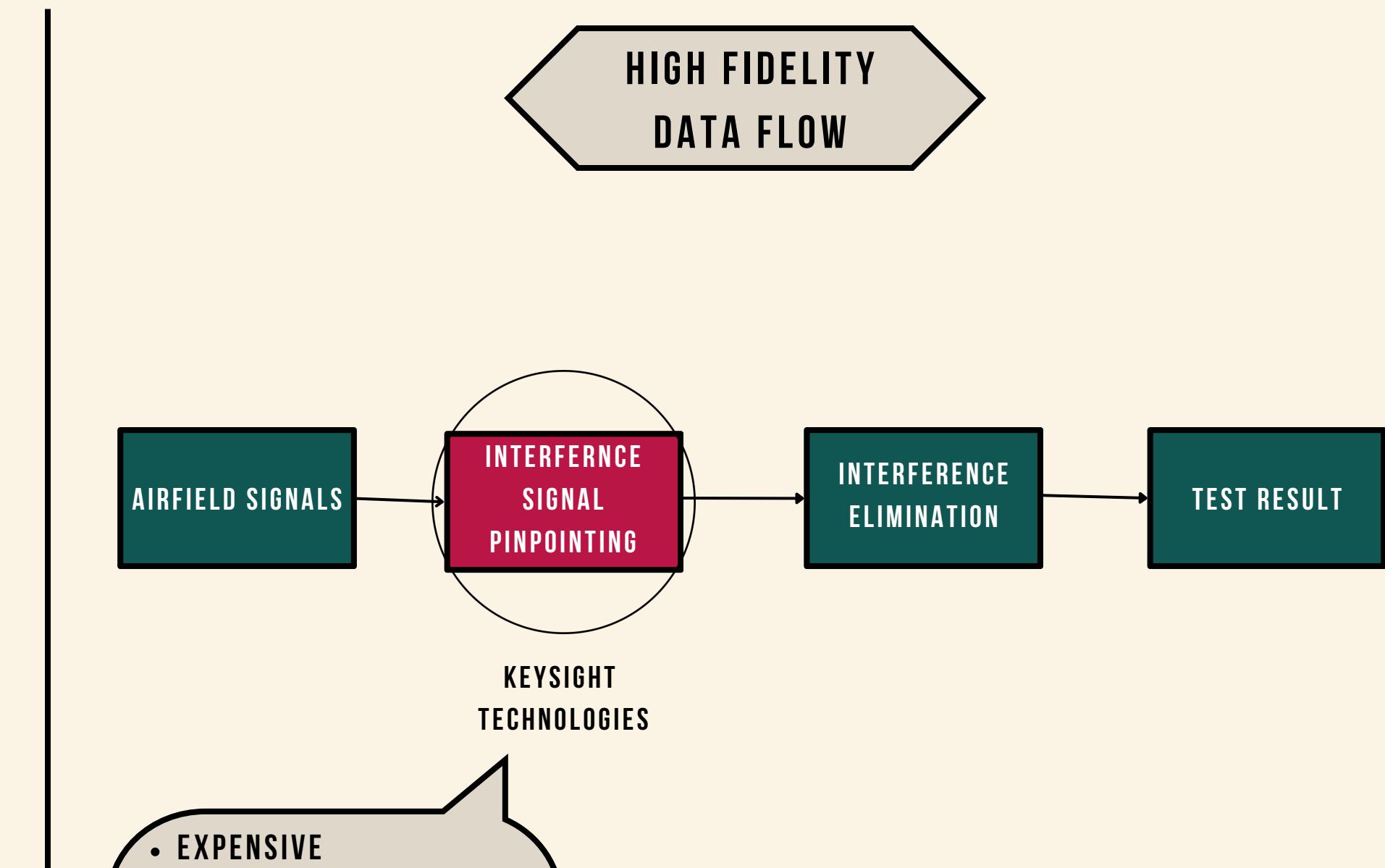
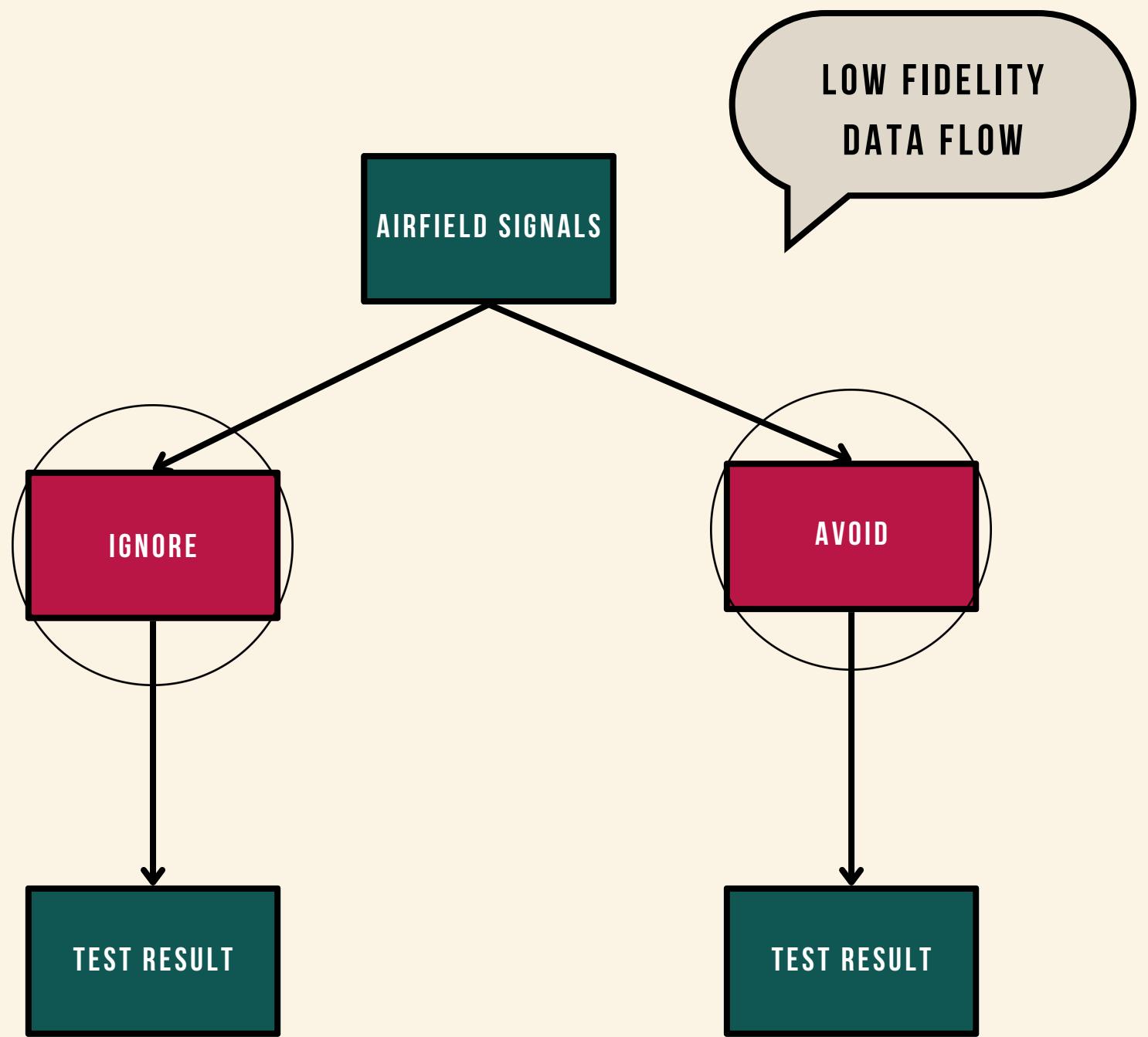
ACCESS TO OPEN SOURCE CODE

NO ADDITIONAL COST FOR UPDATES

COST: \$6-10K



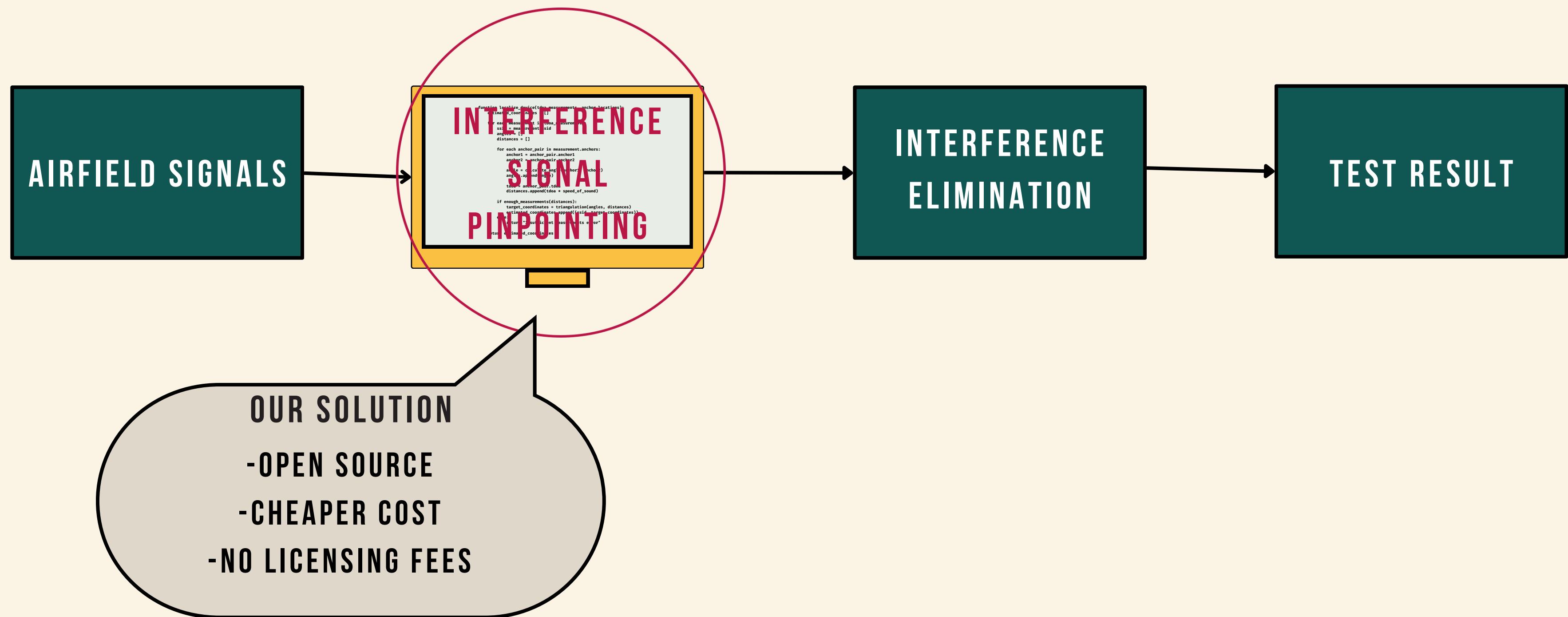
DATA FLOW DIAGRAM [AS IS]



- EXPENSIVE
- NO ACCESS TO SOURCE CODE
- LICENSING OVERHEADS

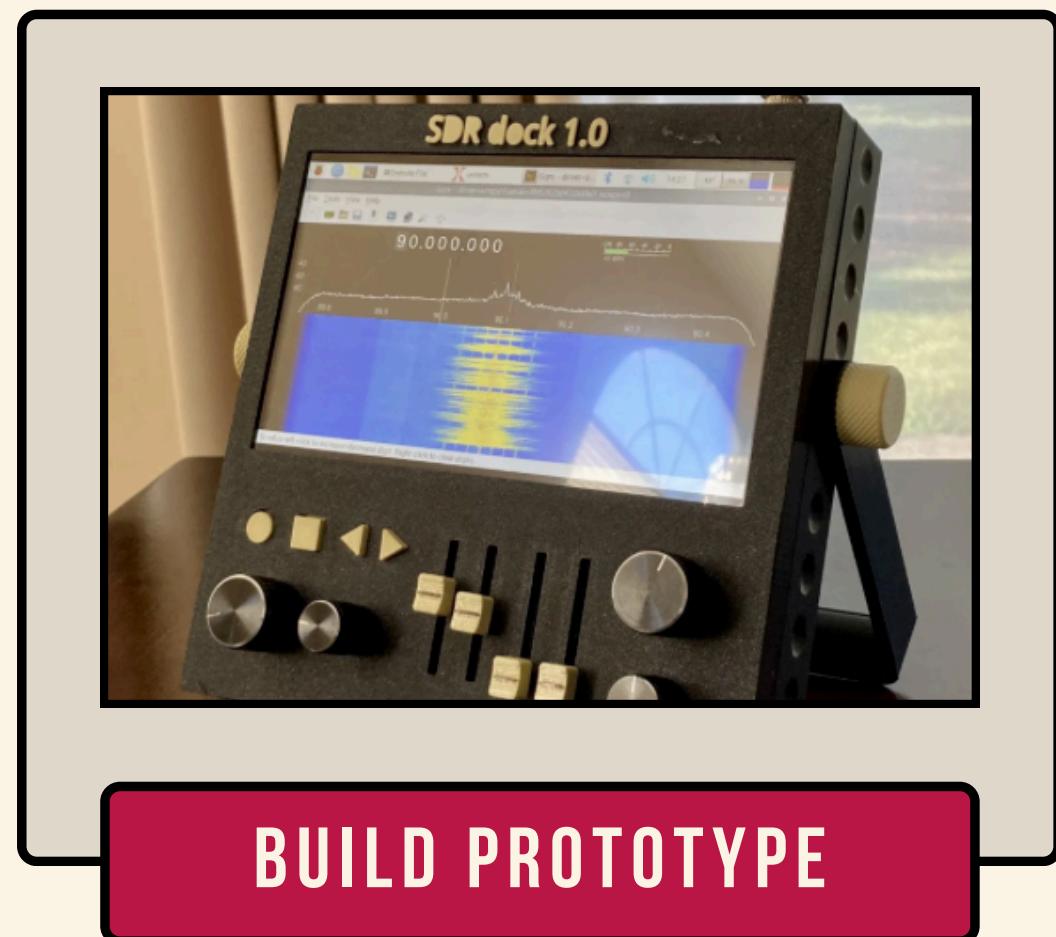
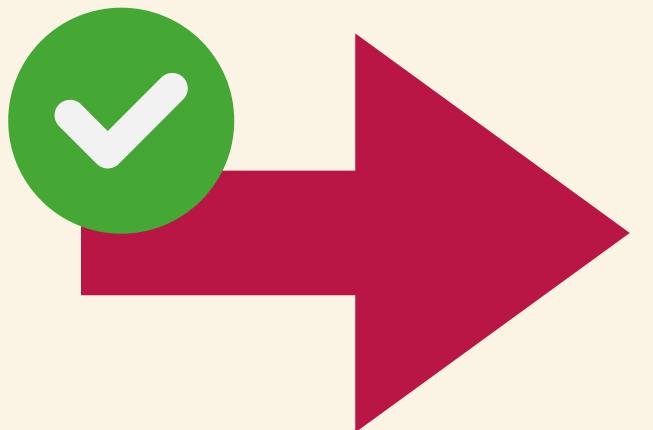
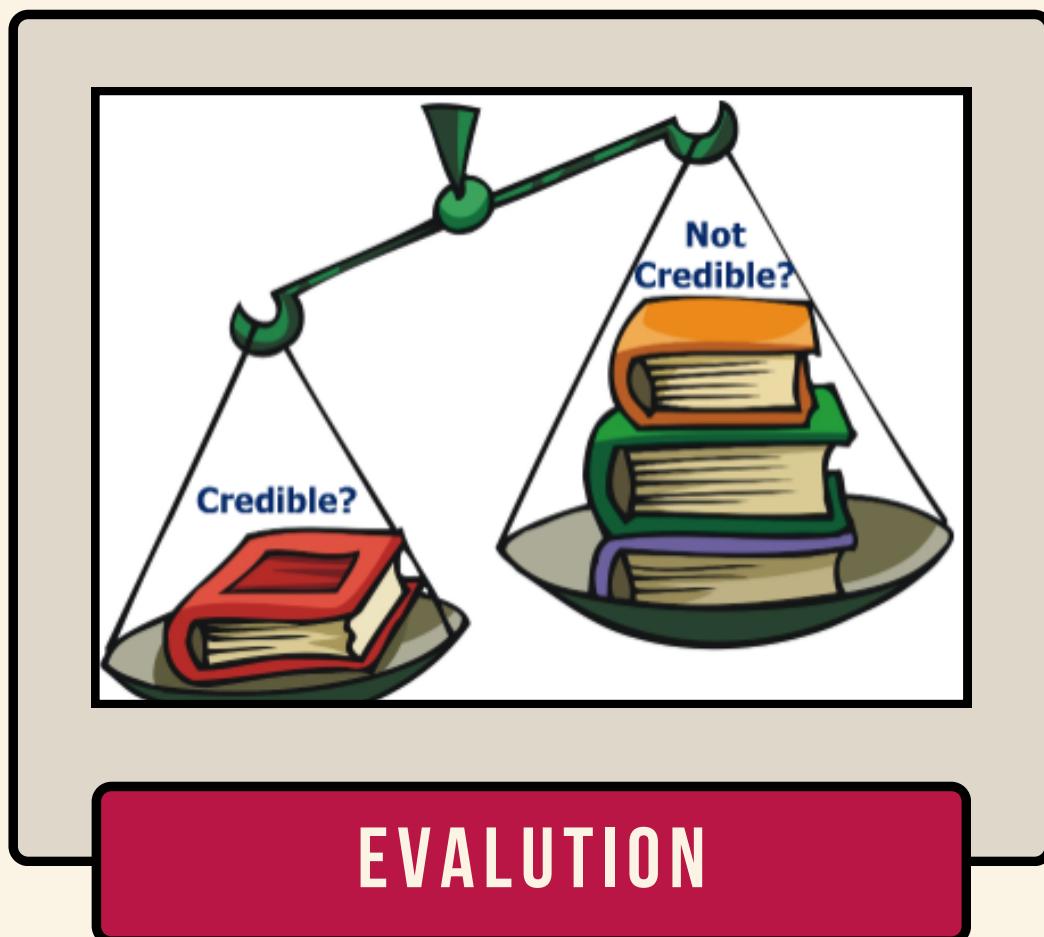


DATA FLOW DIAGRAM (TO BE)





NEXT STEPS





Thank
YOU

Sparsha Srinath
GUK IL KIM
Yash Kulkarni
Harshul Ravindran
Contact : signalkillercsci519@gmail.com

