

# AI Enabled CAD Tool

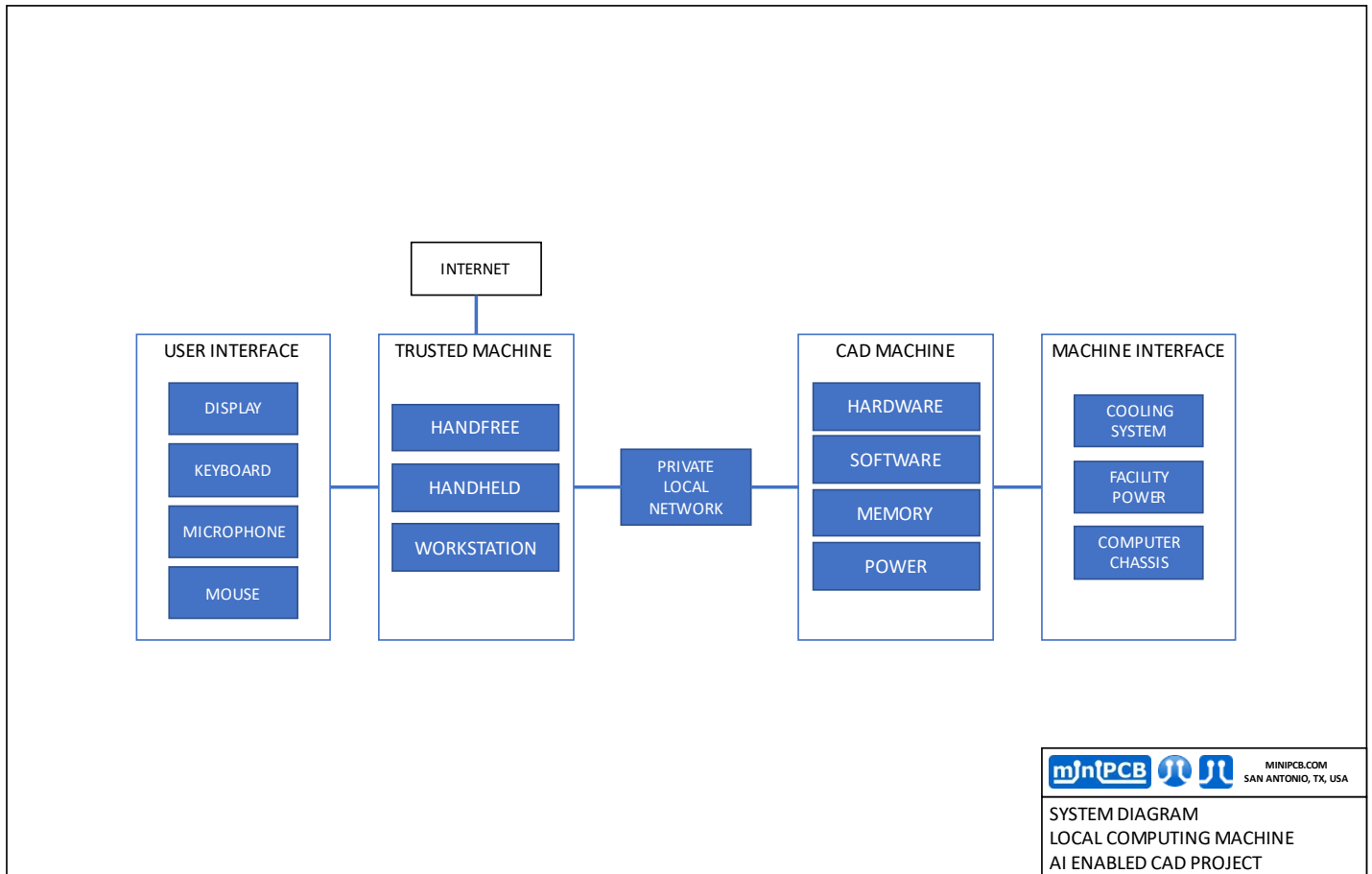
## Idea

I am interested in using an AI enabled CAD tool to develop electronic hardware faster and better than currently possible. I wonder if the miniPCB project could become a dataset for rapidly training small AI-enabled CAD programs.

## Process

1. Imagine the future of work.
2. Learn about the system design.
3. Identify an actionable plan.
4. ... pause for effect ...

## System Diagram



## General Specifications

### COMPUTING

- MODE: DIGITAL | ANALOG
- PERFORMANCE: FLOPS | OPAMPS

### SOFTWARE

- HARDWARE SPECIFIC | AGNOSTIC
- OPEN | CLOSED
- OWNED | LISCENSED

### ELECTRICAL

- 120 VAC, 60 Hz, 10 A
- 240 VAC 50/60 Hz, 10 A

### MECHANICAL

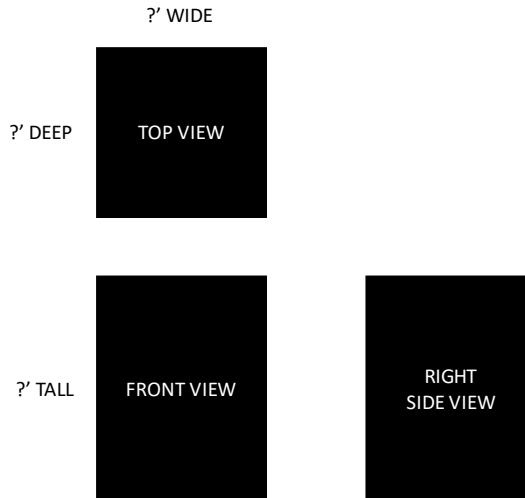
- ENCLOSURE WITH SHELVES
- LOAD CAPACITY: 300 kg

### COOLING

- FORCED AIR
- HEATPIPES
- LIQUID
- REFRIGERANT

### TARGET CAD PROGRAMS

- PRINTED CIRCUIT BOARDS
- INTEGRATED CIRCUITS
- WIRE HARNESSSES
- ENCLOSURES
- MECHANISMS
- COMPLEX MACHINES



## Imagine

### Imagination Seeds

- What will the AI CAD tool be doing?
- How will I want to be interacting with the AI CAD tool?
- What are the best AI CAD tools currently available?
- What might the future's best AI CAD tools look like?
- What hardware is best for running an AI CAD tool?
- What will future hardware look like for AI CAD tool systems?
- What fears and hopes will be in the mind of the manager considering purchasing an AI CAD tool?

### Server

- Select hardware
- Select operating system
- Install computer chassis
- Configure the server
- Implement security

### Client

- Desktop PC
- EAGLE

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| WORDMARK | FIGUREMARK  | FIGUREMARK  |
|----------|---|---|
| miniPCB™ |  |  |

## Revision History

| REV | DESCRIPTION                                     | ECO | DATE      |
|-----|---|-----|-----------|
| A   | Initial Release                                 | N/A | 05MAR2023 |
| B   | Added system diagram and general specifications | N/A |           |