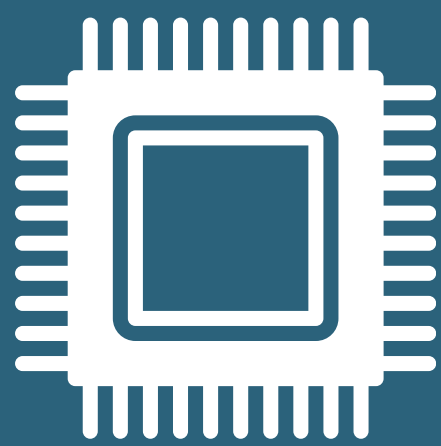# AI SOLUTION
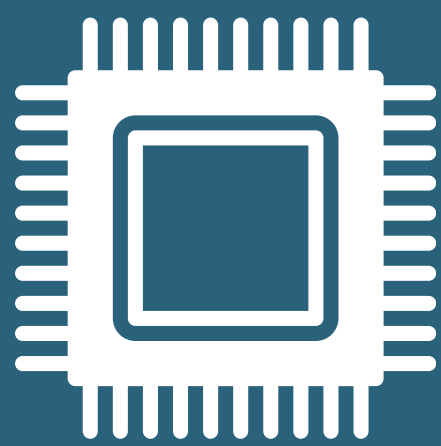# IC DESIGN

"AI inovate IC
IC inovate AI"
Solution

Bo t

ABOUT US

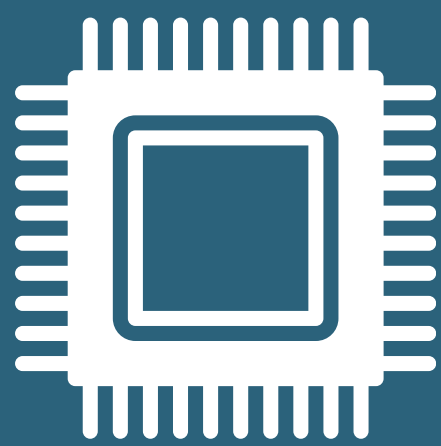BLOCKX is an pioneer in bringing research results from high-tech fields to all aspects of life

BREAKTHROUGH CORE TECHNOLOGY

Module architecture: Layout skills are modeled, trained, and packaged into modules, each skill corresponds to one module. Allows pairing and customizing skill sets for each layout project
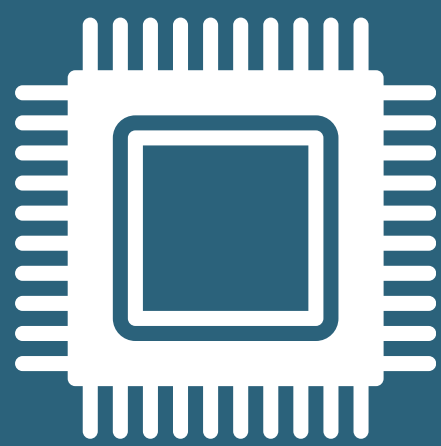
BREAKTHROUGH CORE TECHNOLOGY

Provides standard layout skill sets: principle circuit analysis, sorting transistors by principle circuit, inverting the order of transistor stacking, dummy insertion, multi-finger...
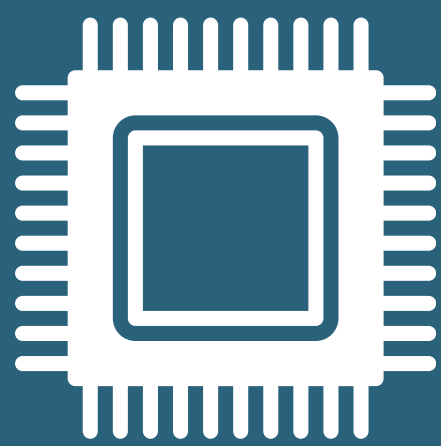
BREAKTHROUGH CORE TECHNOLOGY

Support the entire process of standard layout stages: place transistors, place contact (in the near future), routing (in the near future), floor and planning (in the near future)
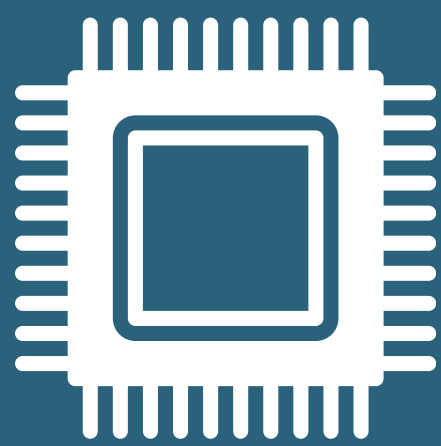
BREAKTHROUGH CORE TECHNOLOGY

Support for professional ranges: standard cell layout, memory layout (in the near future), IO layout (in the near future)
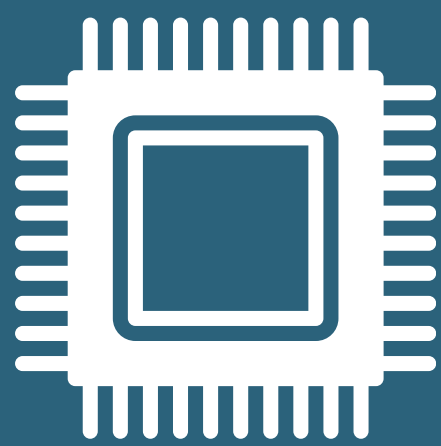
INTERFACE SELECTION

- GUI version: provide solution core with complete GUI

- API version: provides solution core with API integrated into the customer's EDA-suite
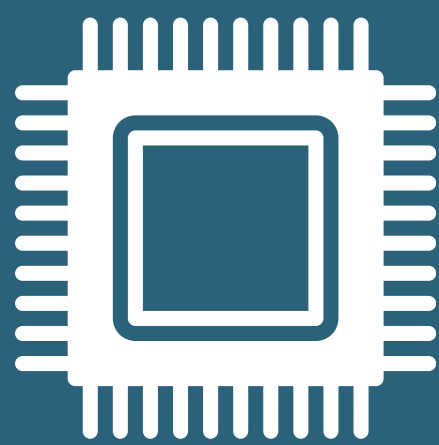
FEATURE SELECTION

- Standard version: provides software , standard datasets packaged all-in-one

- Premium version: provides software, standard datasets, platform that allows customers to self-train AI
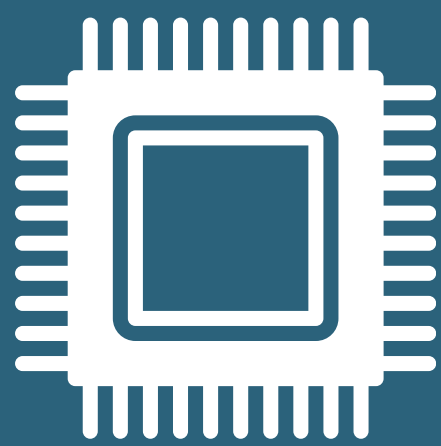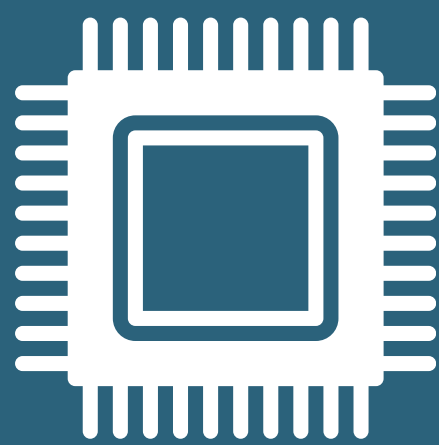
UNIQUE VALUE
INCREASE OVER TIME

- Provide a platform that allows users to self-train AI, help customers convert data into their own value

- Give customers the ability to create a multi-level training chain

- Allows connection of new training floors with existing training floors

- Customize and choose to use different training floors according to each project

- Supports reinforcement learning, using user reviews with output results to increase the accuracy of AILAY -> Increase value over time
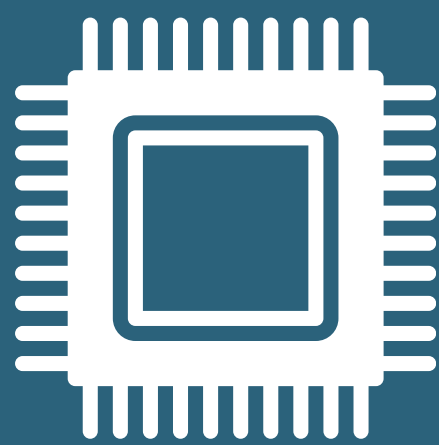
SECURE AND RELIABLE

AILAY is a dedicated-AI solution, deployed on the customer's own server, all data is encrypted and secured at the customer's site

USER FLOW

Step1. Configure to create a new layout project on AILAY

Step2. Setting up a coaching chain for a project

Step3. Using AILAY to generate layout files from principle circuit files

Step4. Visual display of circuit principles and layout circuits

Step5. Layout project progress management
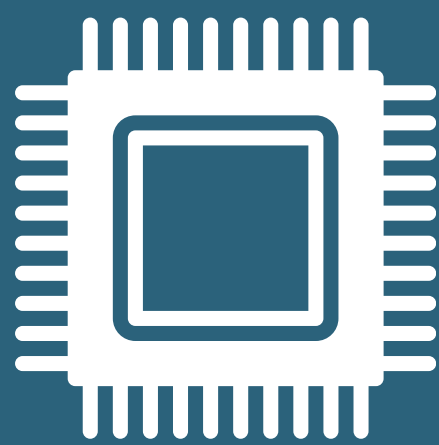
Step6. Overall efficiency management of AILAY

Dolphin Technology

Problem

- Layout personnel account for 80% of the company's personnel
- The implementation time of 1 layout project is long
- Large personnel training costs, the risk of personnel not sticking with the company for a long time

Dolphin Technology

Solution

Applying AILAY to the placement stage for a standard cell library layout project with 6000 cells
- Reduce the cost of training and coaching (training for AI instead of training for humans)
- When employees leave their jobs, the cost of training and accumulated knowledge is not lost
- Increased productivity
- Accuracy: 92%