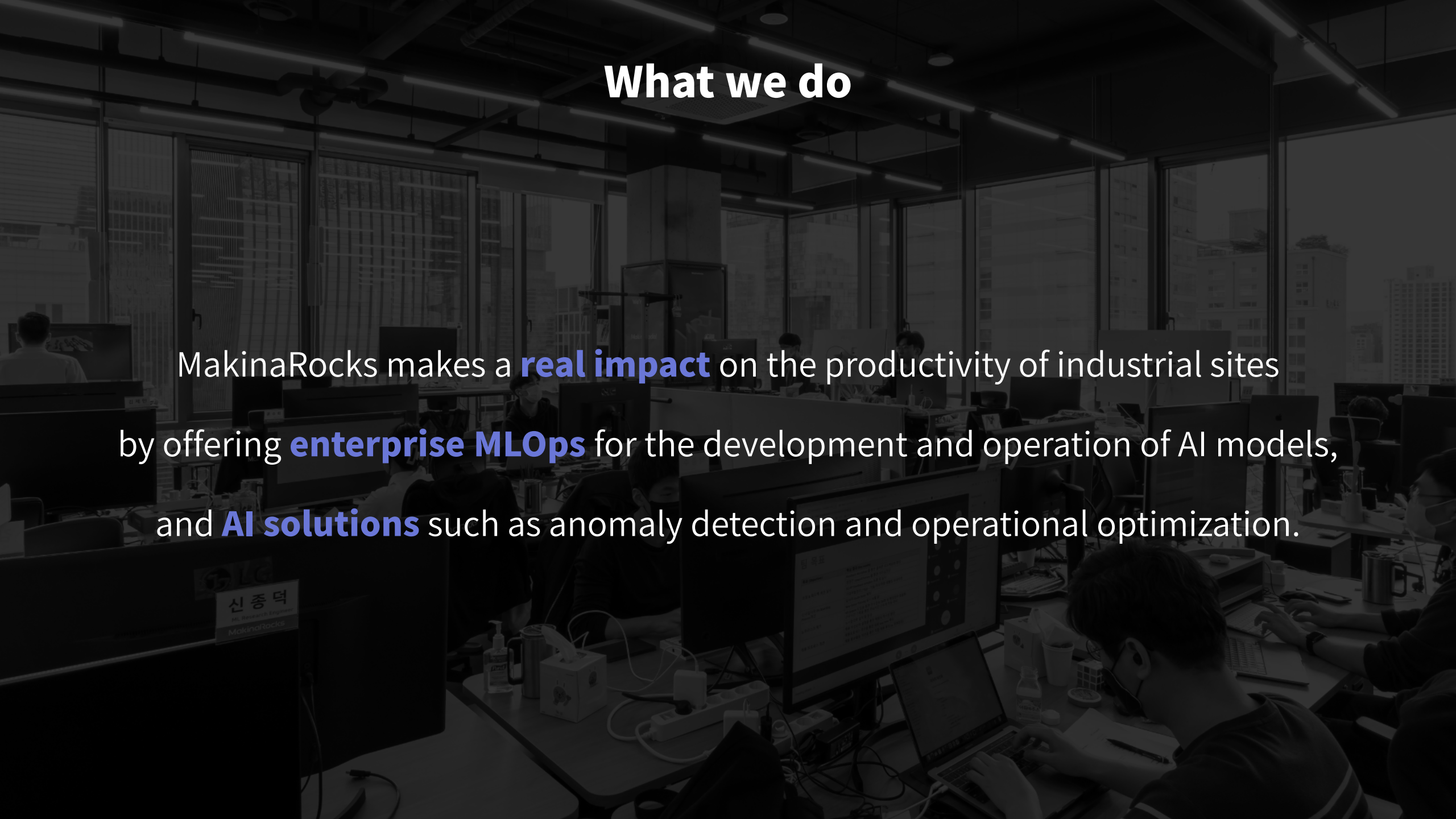
MakinaRocks



What we do

MakinaRocks makes a **real impact** on the productivity of industrial sites

by offering **enterprise MLOps** for the development and operation of AI models,

and **AI solutions** such as anomaly detection and operational optimization.

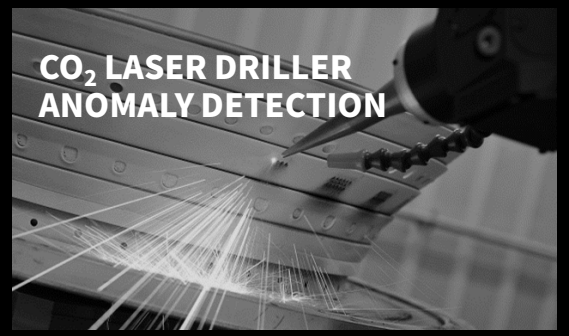
What makes our enterprise MLOps different?

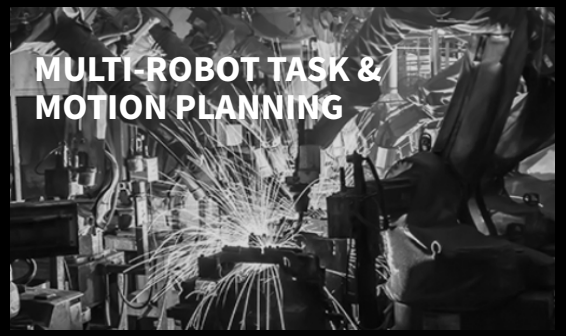
Optimized for industrial AI operations

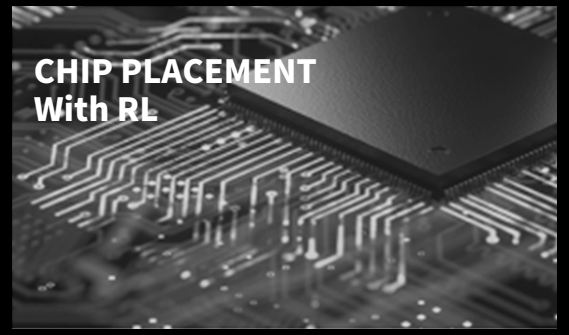
Ease of use	Intuitive MLOps system tailored to data scientists
Faster iteration and higher productivity	Seamless transition from model development to deployment and vice versa
Suitable for varying industrial environments	• Edge, on-premise, cloud, and hybrid • Model deployment and retraining orchestration for edge devices

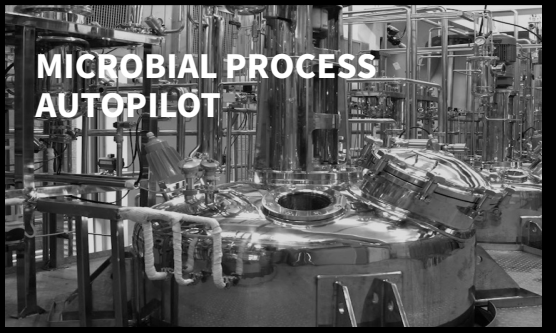
Overcoming a wide range of industrial challenges with AI

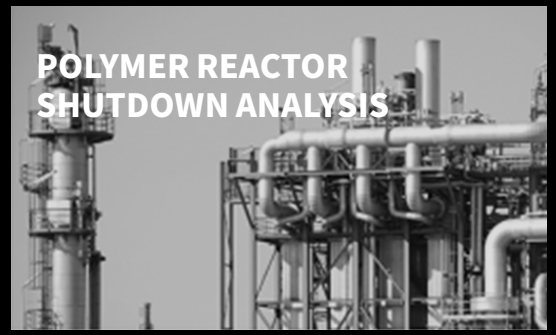
Click: webpage

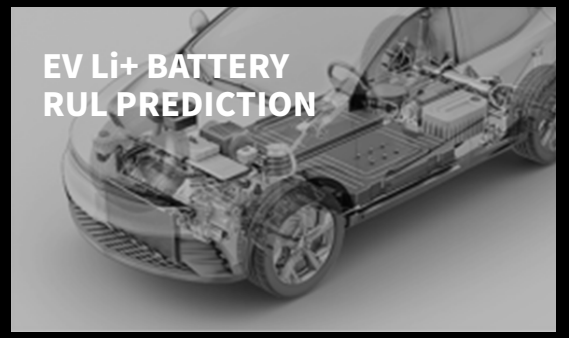








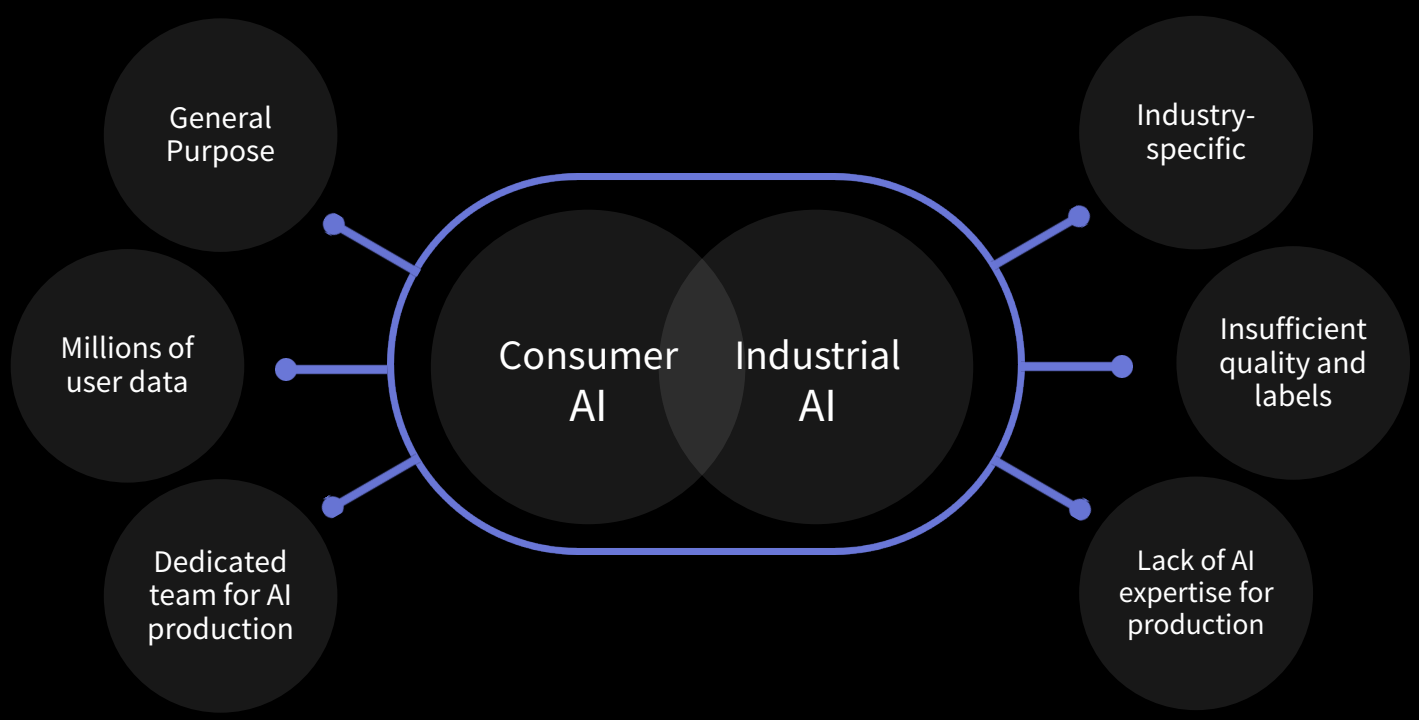




APPLIED MATERIALS · HYUNDAI · KIA · LG AI Research · SK on · SK telecom · HYUNDAI ROBOTICS · HANON SYSTEMS · Mando · GS Caltex

Why is it so difficult to adopt AI in industrial sectors?

AI in consumer software vs. AI in industrial



Challenges

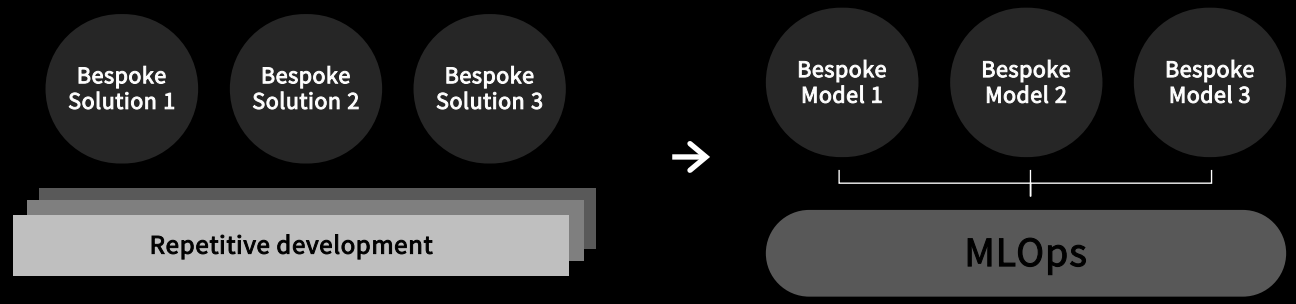
Cost of customization
bespoke solutions

Small datasets
c.f., anomaly detection

PoC & production gap
long time to deployment

AI Doesn't Have to Be Too Complicated or Expensive for Your Business (Harvard Business Review, 2021)

How are we overcoming these challenges?

Challenges	Our Approach
Cost of customization	*Building and re-using "Common Parts" with MLOps*  Development Efficiency ↑ Reusability ↑ Robustness ↑
Small datasets PoC & production gap	*Integrated model development and deployment*  Iteration Frequency ↑ Data Quality ↑ Model Performance ↑

Our Enterprise MLOps for Industrial Applications

Lifecycle management of machine learning development and operation

ML Model Development

Accelerating the ML model development cycle

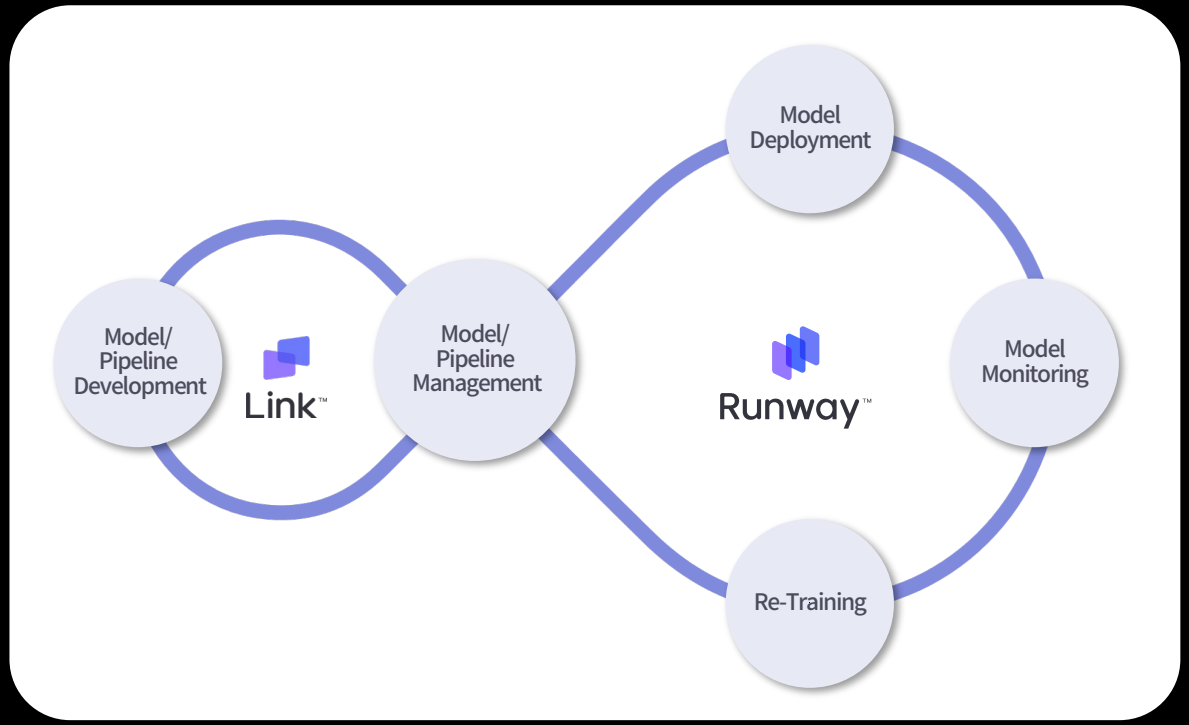
- One click to production and one click back to modeling

Efficient and effective collaboration

- Tracking differences, merging changes, and annotating for ML pipelines

JupyterLab based development platform

- Familiar, convenient and capable environment for data exploration and experiments



ML Model Operation

Versatile operation modes

- Serving batch, streaming, and REST API requests

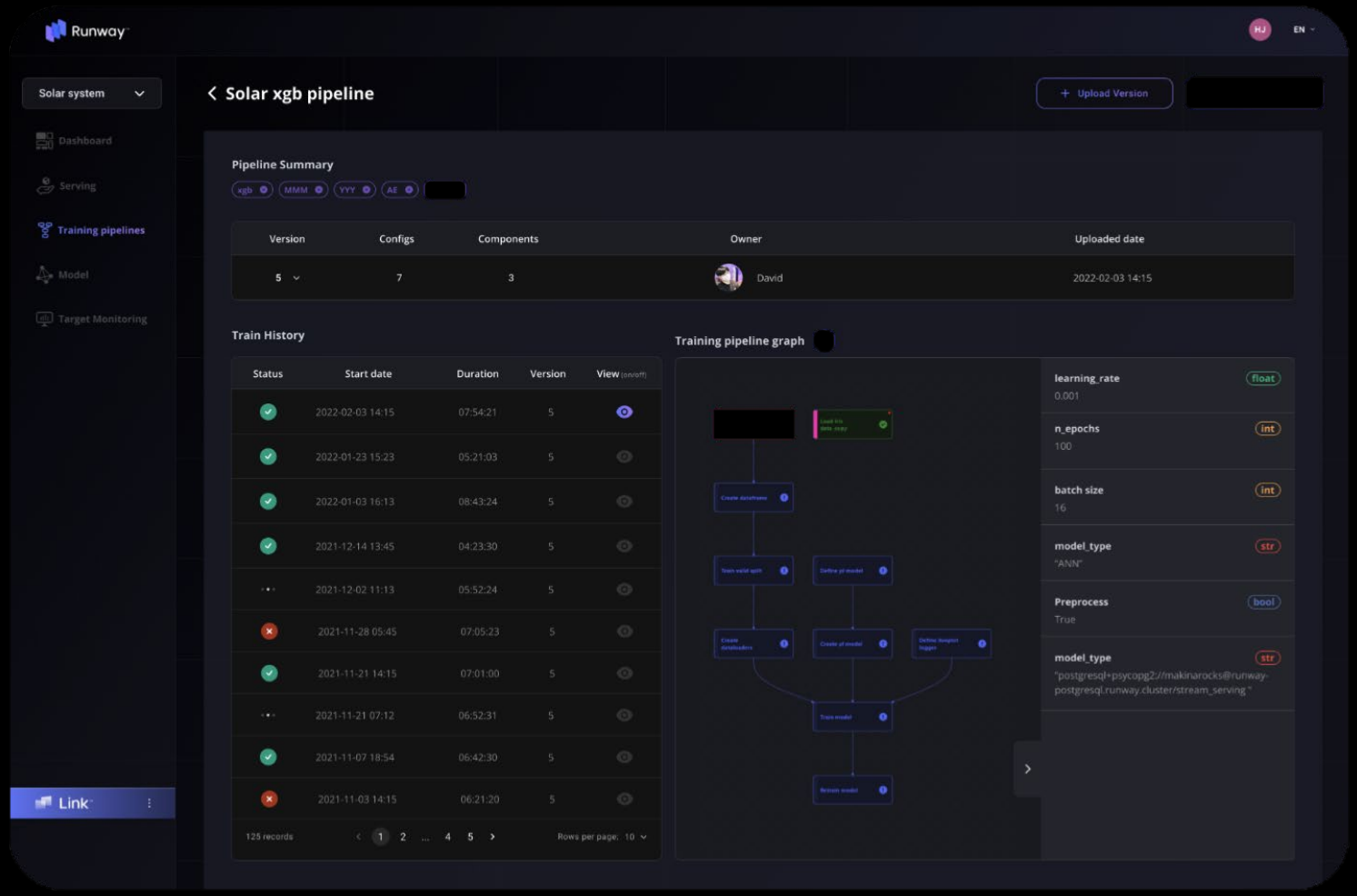
Continual learning

- Retraining and updating models automatically with customizable trigger conditions

From edge to cloud

- Configurable for use with edge, on-premise, cloud, or hybrid environments

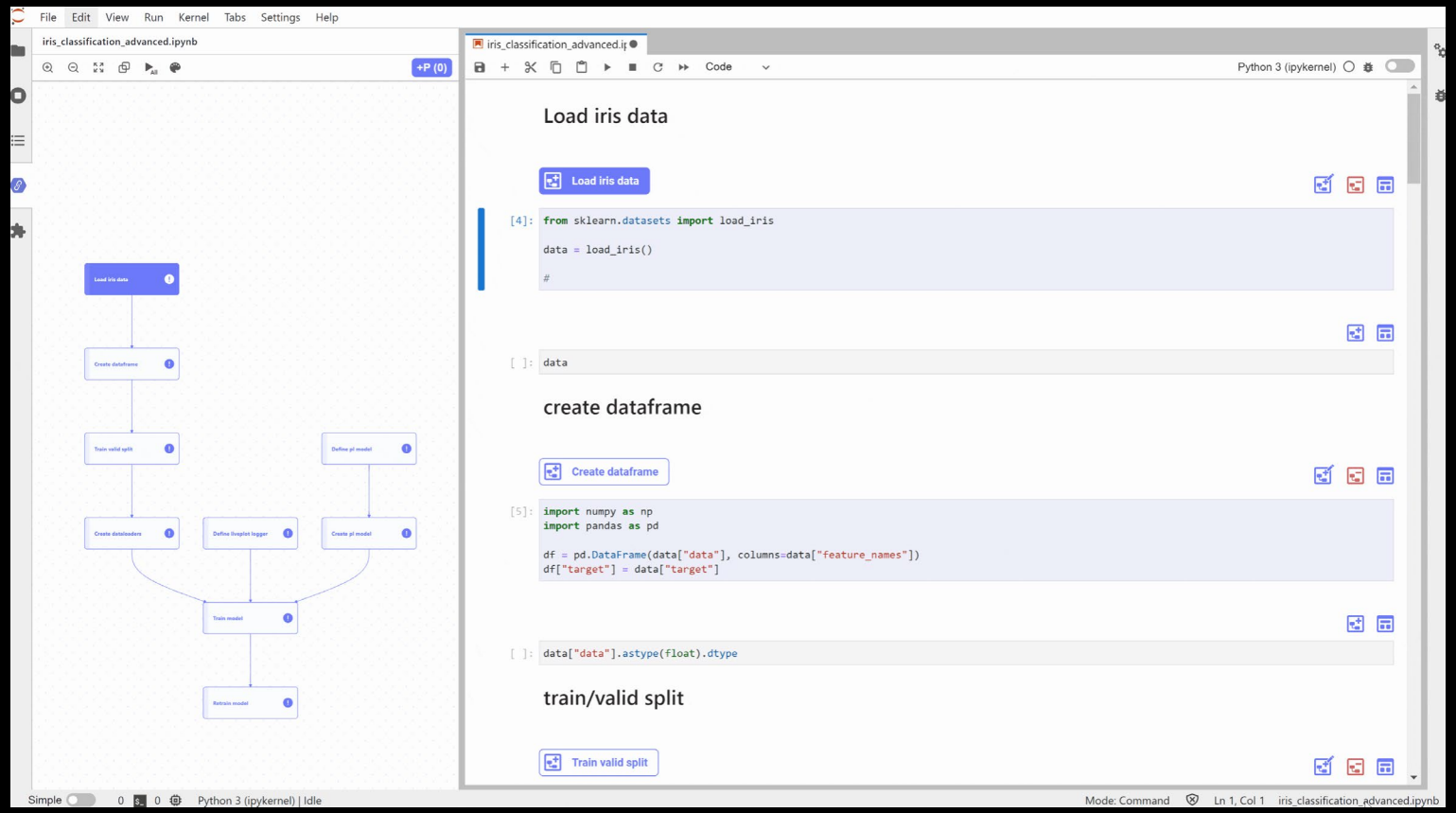
Runway™



Runway™ is a full-fledged, manufacturing-focused MLOps platform.

- Automate model retraining and updates with A/B testing.
- Measure model performance and system health with readily available metrics.
- Manage multiple projects intuitively.
- Provide batch, streaming, and API-based serving method to handle multiple data sources and inference requirements.
- Easily configure model deployment, retraining, and inferences to accommodate complex edge device layouts.

Link™



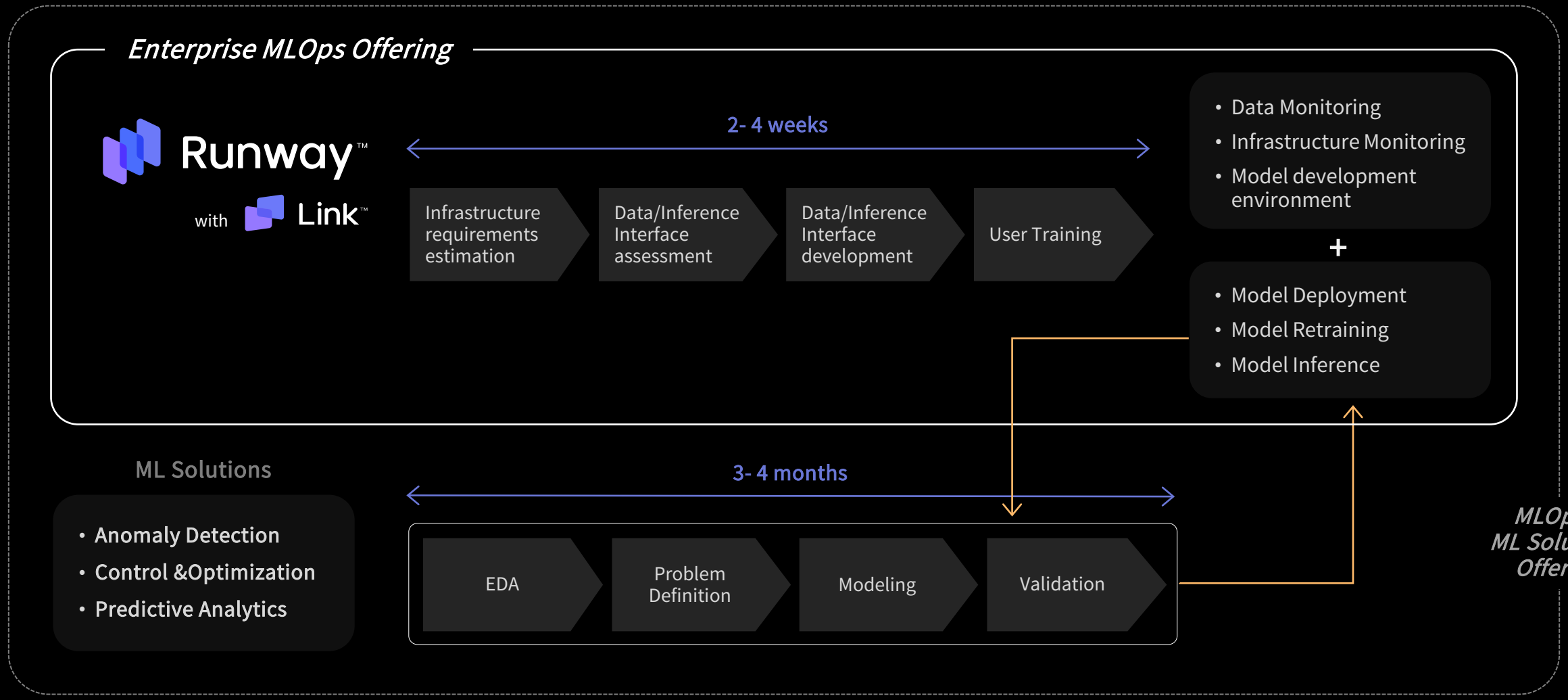
https://link.makinarocks.ai

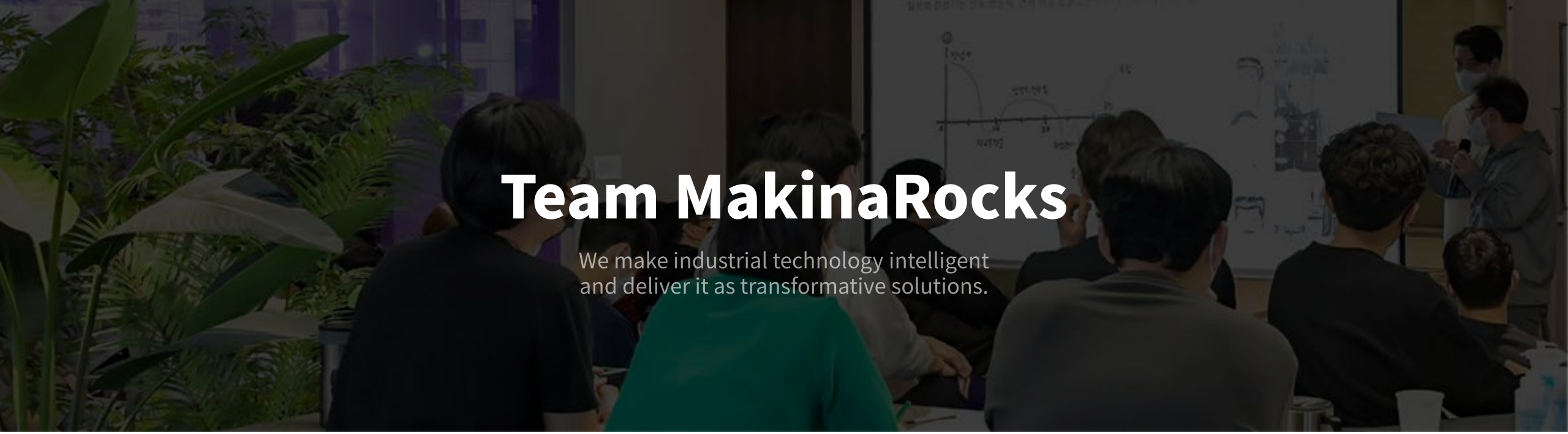
The Link™ modeling environment is a key component of our MLOps.

- Design, run, and verify model training pipelines directly in Jupyter notebook.
- Avoid unnecessary re-execution by automatic component caching.
- Convert/export pipelines to operational environments without rewriting them.
- Manage and collaborate on pipelines using the git version control system.
- Annotate pipelines with color tags and comments.

Our Offering

Enterprise MLOps software and industrial-specific ML solutions





Team MakinaRocks

We make industrial technology intelligent
and deliver it as transformative solutions.

70+

Members in Korea and
Silicon Valley

$12M+ (Series A)

Raised from prestigious global investors

SK telecom · NAVER · HYUNDAI · APPLIED MATERIALS · KDB Bank
DAESUNG PRIVATE EQUITY · Shinhan Bank · HB INVESTMENT · LG

Top 100

Tech. Pioneer company selected
By World Economic Forum(WEF)

6+

Opensource projects
we are actively contributing to

Katib · MOVEit · argo · RAY · Kubeflow · CORE

1K+

# of AI model
currently being served

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