Runway™

Why MLOps

Becoming an Artificially Intelligent organization

• • • AI/ML is no longer an innovative piece of technology but a necessity for most organizations across many domains, as they seek to draw valuable business insights with AI models that are becoming increasingly sophisticated and commercially viable. Corporate investments in AI/ML are higher than ever, with a focus on hiring more data scientists and algorithm engineers to develop better models.

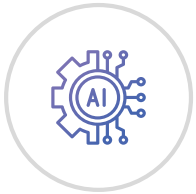
But for AI to genuinely add value to the organization, these AI/ML models must take a leap from being in-house corporate projects to scalable applications.

• • • MLOps matters here. MLOps is a set of practices that ensures continuity, scalability, and reproducibility of the ML lifecycle. By automating previously burdensome tasks, an MLOps platform reliably hypercharges cycle iterations of training, deploying, re-training, and re-deploying your models. MLOps platforms also ensure that architects (data scientists) and users of models speak a common language.

Bringing MLOps into your AI ecosystem allows your machine learning models to add meaningful value, and to bring material business impacts. Learn more about how your organization can truly become Artificially Intelligent with Runway.

Use Cases

Case A



Tech

Situation

AI/ML startup focusing on project-based model development, with 50+ ML models ready to be deployed

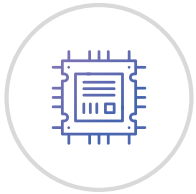
Challenge

Insufficient human resources to construct an open source based MLOps environment, taking 6+ months to deploy models

Runway Impact

Reduced time required for model deployment by 80+% to 4 weeks, and personnel required by 50%

Case B



Manufacturing

Situation

Semiconductor component manufacturer looking to implement ML-based anomaly detection solution to their equipment

Challenge

Small team of data scientists without sufficient ML knowledge to operate and manage models developed by MakinaRocks

Runway Impact

Intuitive UI/UX allows Citizen Data Scientists to re-train and re-deploy models without extensive ML experience

Case C

Energy

Situation

Renewable energy provider looking to improve power generation prediction models for 600+ solar power plants

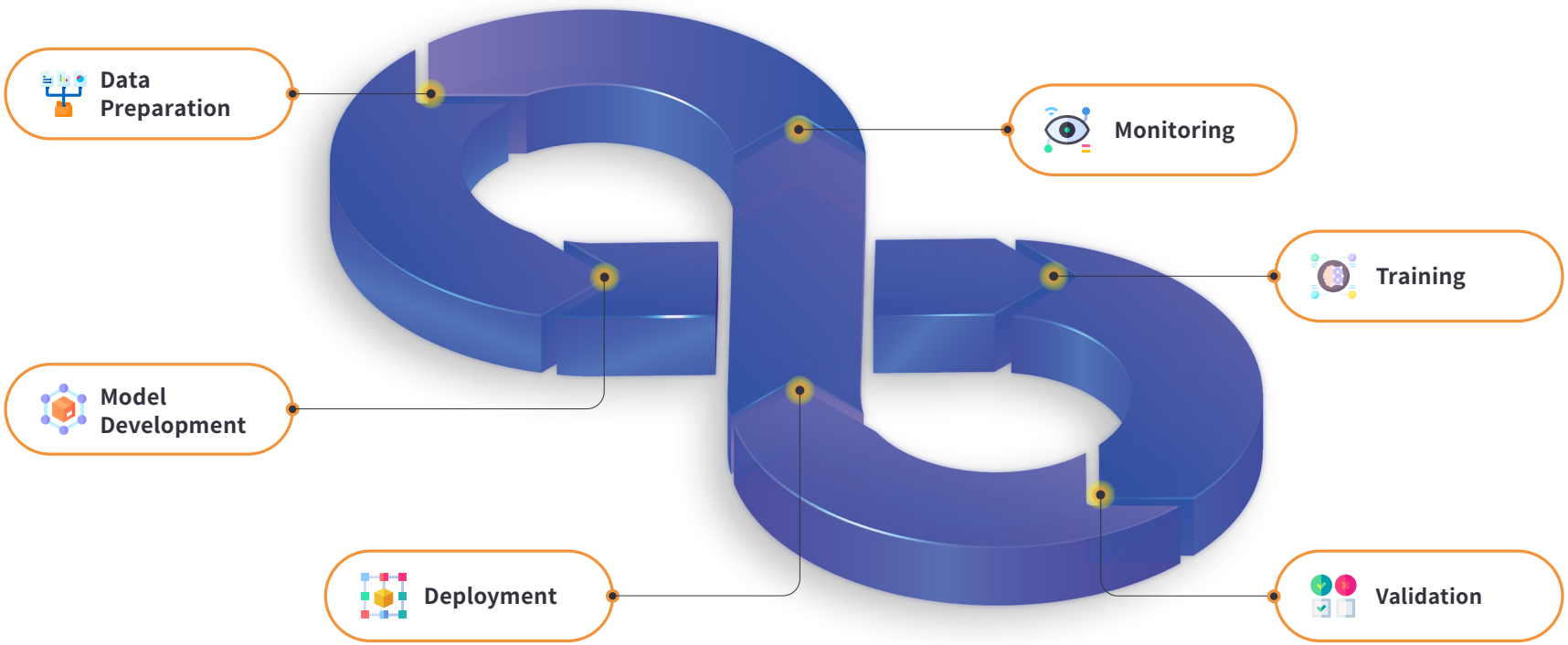
Challenge

Model development and deployment environments were not synchronized, leading to inefficient model maintenance

Runway Impact

Integrated model development platform allows easier debugging for faster enhancement of model performance

ML Lifecycle



Runway™

Runway is an MLOps platform to operationalize machine learning models and to manage the entire ML lifecycle. It enables organizations to maximize the business potential of AI, by putting models into actual production. Runway was created with MakinaRocks' vast experience in developing and operating ML models across various industrial sectors. Available on both cloud and on-premise environments, Runway is the MLOps platform to let your AI run.

Key Features

One Click Deployment

Technical Details
- Seamless deployment with Jupyter-based development environment
- Synchronized model training and deployment environments

Values Added
- Improved scalability and reproducibility of models

Tiered Access & Authority

Technical Details
- Provides different levels of access to features by each user tier (Admin, Engineer, Viewer)

Values Added
- Easier governance of model stability
- Improved accountability

Flexible Results Interface

Technical Details
- Interface model results with existing BI tools/dashboards
- Access key metrics from models directly

Values Added
- Easier and quicker access to business insights inferred from ML models

Intuitive UI/UX

Technical Details
- Operationalize ML models with fewer clicks

Values Added
- Easier access to MLOps for non-engineers
- Put models into production in less time

Logging & Monitoring

Technical Details
- Creates logs of pipeline execution results for each component

Values Added
- Improved efficiency through easier debugging and maintenance

Multiple Serving Methods

Technical Details
- Streaming : real-time inference from models
- Batch : execution in regular intervals, using the 'Schedule' feature

Values Added
- Optimized usage of ML models with custom serving methods

Want to learn more about how to start using Runway?

Try it first and decide

Request a Free Trial

Submit Trial Request Form

Product Introduction and Discovery Meeting (Online / Offline)

Experience all of Runway's features

Technical Discussion for implementing Runway on your system (Optional)

Team MakinaRocks

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

80+

Members in Korea and Silicon Valley

75%+ Personnel with ML/DS/SW development backgrounds

Top 50

Advanced Manufacturing 50

By CB Insights

CBINSIGHTS

Top 100

Technology Pioneers

By World Economic Forum(WEF)

WORLD ECONOMIC FORUM

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